This is a translation into English of the statutory auditors' report on the consolidated financial statements of the Company issued in French and it is provided solely for the convenience of English-speaking users.

This statutory auditors' report includes information required by European regulation and French law, such as information about the appointment of the statutory auditors or verification of the information concerning the Group presented in the management report and other documents provided to shareholders.

This report should be read in conjunction with, and construed in accordance with, French law and professional auditing standards applicable in France.

TOTAL SE (Previously TOTAL S.A.)

Year ended December 31, 2020

Statutory auditors' report on the consolidated financial statements

#### **KPMG Audit**

A division of KPMG S.A.
Tour EQHO
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Commissaire aux Comptes Membre de la compagnie régionale de Versailles et du Centre

#### **ERNST & YOUNG Audit**

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Commissaire aux Comptes Membre de la compagnie régionale de Versailles et du Centre

# TOTAL SE (Previously TOTAL S.A.) Year ended December 31, 2020

Statutory auditors' report on the consolidated financial statements

To the Annual General Meeting of TOTAL SE,

# Opinion

In compliance with the engagement entrusted to us by your Annual General Meeting, we have audited the accompanying consolidated financial statements of TOTAL SE for the year ended December 31, 2020.

In our opinion, the consolidated financial statements give a true and fair view of the assets and liabilities and of the financial position of the Group as at December 31, 2020 and of the results of its operations for the year then ended in accordance with International Financial Reporting Standards as adopted by the European Union.

The audit opinion expressed above is consistent with our report to the Audit Committee.

# **Basis for Opinion**

#### Audit Framework

We conducted our audit in accordance with professional standards applicable in France. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Our responsibilities under those standards are further described in the *Statutory Auditors'* Responsibilities for the Audit of the Consolidated Financial Statements section of our report.

# ■ Independence

We conducted our audit engagement in compliance with independence requirements of the French Commercial Code (Code de commerce) and the French Code of Ethics (Code de déontologie) for statutory auditors for the period from January 1, 2020 to the date of our report and specifically we did not provide any prohibited non-audit services referred to in Article 5(1) of Regulation (EU) No 537/2014.

# Justification of Assessments - Key Audit Matters

Due to the global crisis related to the Covid-19 pandemic, the financial statements of this period have been prepared and audited under specific conditions. Indeed, this crisis and the exceptional measures taken in the context of the state of sanitary emergency have had numerous consequences for companies, particularly on their operations and their financing, and have led to greater uncertainties on their future prospects. Those measures, such as travel restrictions and remote working, have also had an impact on the companies' internal organization and the performance of the audits.

It is in this complex and evolving context that, in accordance with the requirements of Articles L. 823-9 and R. 823-7 of the French Commercial Code (Code de commerce) relating to the justification of our assessments, we inform you of the key audit matters relating to risks of material misstatement that, in our professional judgment, were of most significance in our audit of the consolidated financial statements of the current period, as well as how we addressed those risks.

These matters were addressed in the context of our audit of the consolidated financial statements as a whole and in forming our opinion thereon, and we do not provide a separate opinion on specific items of the consolidated financial statements.

■ Evaluation of the impairment of non-current assets of exploration and production activities of the Exploration & Production and Integrated Gas, Renewables and Power segments ("E&P and iGRP segments")

#### Risk identified

As discussed in Notes 7.1, 7.2, and 3 to the consolidated financial statements as of December 31, 2020, the non-current assets of exploration and production activities of the E&P and iGRP segments are mainly comprised of proved and unproved properties and work in progress of exploration and production activities (83,700 million US dollars), proved mineral interests (6,964 million US dollars), unproved mineral interests (15,510 million US dollars) and a portion of the 23,783 million US dollars balance of investments and loans in equity affiliates.

The Group performs impairment tests on these assets as soon as any indication of impairment exists. As described in Note "Major judgments and accounting estimates" and Note 3.D "Asset impairment" to the consolidated financial statements, in 2020, in the context of the health crisis, the Group decided to revise the price assumptions used for its assets impairment tests. In addition, in line with its new Climate Ambition announced on May 5, 2020, which aims at carbon neutrality, the Group has reviewed its oil assets that can be qualified as "stranded", meaning with reserves beyond 20 years and high production costs, whose overall reserves may therefore not be produced by 2050. In 2020, asset impairments were

#### Our response

We obtained an understanding, evaluated the design, and tested the operating effectiveness of certain controls over the Group's processes to address the risks of material misstatement relating to the evaluation of the impairment of the E&P and iGRP segments' noncurrent assets of exploration and production activities. Our works included testing certain controls over the determination of the primary assumptions, used by management, underlying the recoverable amount, such as the estimates of the future price of hydrocarbons, the future operational costs, oil and gas reserves, and the after-tax discount rate.

The procedures we performed on the impairment testing consisted mainly in:

- considering whether there was an indication of impairment for these assets, such as a severe decline of production, a new tax law enacted, the impact of new price assumptions, or the Group's new Climate Ambition announced on May 5, 2020;
- comparing the primary assumptions to those included in analyses, and to budgets and forecasts approved by the Executive Committee and the Board of Directors;

recorded for an amount of 8,646 million US dollars in operating income and 8,157 million US dollars in net income, Group share.

The testing method is described in Note 3.D to the consolidated financial statements. The Group assesses the recoverable amount of the E&P and iGRP segments' non-current assets of exploration and production activities based on the cash-generating units (CGU) that include all the hydrocarbon sites and industrial assets involved in the production, processing and extraction of  $\ ^{ extstyle{ inv}}$ hydrocarbons. The recoverable amount is measured for each CGU, taking into account the economic business environment and the Group's operating plans. The primary assumptions used by the Group to measure the recoverable amount include the future price of hydrocarbons, the future operational costs, oil and gas reserves, and the after-tax discount rate.

We identified the evaluation of the impairment of the E&P and iGRP segments' non-current assets of exploration and production activities as a key audit matter because management's evaluation of assumptions discussed above involved a high degree of judgment. Specifically, such management's evaluation required the consideration of evidence that corroborates the Group's assumptions and evidence that might contradict the assumptions, such as public industry information.

- comparing the hydrocarbon pricing scenarios, used by the Group as prepared by the Strategy and Climate division, to public industry information (International Energy Agency, brokers, and consultants);
- analyzing the future operational costs assumptions by calculating ratios over production and comparing them over time or to those of other similar assets:
- agreeing oil production profiles to the proved and probable hydrocarbon reserves prepared as part of the Group's internal procedures;
- re-calculating, with the assistance of valuation specialists included in our audit teams, the aftertax discount rate used by management, which we compared to the rates calculated by major market financial analysts;
- assessing the consistency of the tax rates used by management with the applicable tax schemes and the oil agreements in force;
- analyzing the information disclosed in Note 3.D "Asset impairment" to the consolidated financial statements. In particular, we analyzed the Company's sensitivity analysis on operating income and net income to variations of the hydrocarbon pricing scenarios, and compared it to the information disclosed in this Note.
- Effect of estimated proved and proved developed hydrocarbon reserves on the depreciation of oil and gas assets of production activities of the Exploration & Production and Integrated Gas, Renewables and Power segments ("E&P and iGRP segments")

### Risk identified

As discussed in the Note "Major judgments and accounting estimates" to the consolidated financial statements, the estimation of proved and proved developed hydrocarbon reserves is used by the Group in risks of material misstatement in the depreciation of the "successful efforts" method to account for its oil and gas activities. Notes 7.1 and 7.2 to the consolidated financial statements outline that under such method, oil and gas assets are depreciated using the unit-of-production method. The unit-of-production method is based on either proved hydrocarbon reserves deposit quantities and the modeling of contractual or proved developed hydrocarbon reserves. Those reserves are estimated by the Group's petroleum engineers in accordance with industry practice and Securities and Exchange Commission (SEC) regulations.

#### Our response

We obtained an understanding, evaluated the design, and tested the operating effectiveness of certain controls over the Group's processes to address the oil and gas assets of production activities of the E&P and iGRP segments relating to the effect of estimated proved and proved developed hydrocarbon reserves. Our works included testing certain controls over management's determination and evaluation of arrangements that determine the Group's share of proved and proved developed hydrocarbon reserves.

As described in Note 7.2 "Property, plant and equipment" to the consolidated financial statements, in the event that, due to the price effect on the hydrocarbon reserves evaluation, the unit-of-production depreciation method does not reflect properly the useful life of the asset, an alternative depreciation method is applied based on the reserves evaluated using the 12-month average price of the previous year. This is the case in 2020 where the unit-of-production depreciation method is applied to all assets in 2020 based on proved hydrocarbon reserves or proved developed hydrocarbon reserves measured using the 12-month average price for 2019.

The primary assumptions used by the Group to estimate the proved and proved developed hydrocarbon reserves for purposes of the depreciation of oil and gas assets of production activities of the E&P and iGRP segments for the year ended December 31, 2020 include the following: geoscience and engineering data used to determine deposit quantities; contractual arrangements that determine the Group's share of the reserves; and the price.

We identified the effect of estimated proved and proved developed hydrocarbon reserves on the depreciation of oil and gas assets of production activities of the E&P and iGRP segments as a key audit matter because management's evaluation of the Group's aforementioned assumptions involved a high degree of judgment due to the inherent uncertainty and nature of such assumptions.

The procedures we performed on the estimation of reserves by the Group consisted mainly in:

- assessing the qualifications and objectivity of the Group's petroleum engineers responsible for estimating reserves;
- analyzing the main changes in proved and proved developed hydrocarbon reserves compared to the prior fiscal year;
- comparing the 2020 forecasted production to 2020 actual production;
- inspecting evidence from contractual arrangements that determine the Group's share of the proved and proved developed hydrocarbon reserves through the expiration of the contracts;
- and evaluating the Group's assessment, where appropriate, of the reasons leading the Group to believe that the renewal of contractual arrangements is reasonably certain;
- evaluating the analysis performed by the Group to determine that using the 12-month average price of 2020 to estimate the proved and proved developed hydrocarbon reserves for purposes of the depreciation of oil and gas assets of production activities of the E&P and iGRP segments would not properly reflect the anticipated useful life of these assets;
- analyzing the Group's use of the 12-month average price for 2019 by comparing such average price to the Group's average long-term view of prices;
- assessing the Group's methodology used to estimate these proved and proved developed hydrocarbon reserves, considering SEC's regulations and the 12-month average price for 2019.

# Specific verifications

We have also performed, in accordance with professional standards applicable in France, the specific verifications required by laws and regulations of the information relating to the Group given in the Board of Directors' management report.

We have no matters to report as to its fair presentation and its consistency with the consolidated financial statements.

We attest that the consolidated non-financial statement required by Article L. 225-102-1 of the French Commercial Code (*Code de commerce*) is included in the Group's management report, it being specified that, in accordance with the provisions of Article L. 823-10 of this Code, we have verified neither the fair presentation nor the consistency with the consolidated financial statements of the information contained therein and this information should be reported by an independent third party.

# Report on Other Legal and Regulatory Requirements

# ■ Format of presentation of the consolidated financial statements intended to be included in the annual financial report

In accordance with Article 222-3, III of the AMF General Regulation, the Company's management informed us of its decision to postpone the presentation of the consolidated financial statements in compliance with the European single electronic format as defined in the European Delegated Regulation No 2019/815 of 17 December 2018 to years beginning on or after January 1, 2021. Therefore, this report does not include a conclusion on the compliance with this format of the presentation of the consolidated financial statements intended to be included in the annual financial report mentioned in Article L. 451-1-2, I of the French Monetary and Financial Code (*Code monétaire et financier*).

### Appointment of the Statutory Auditors

We were appointed as statutory auditors of TOTAL SE by the annual general meeting held on May 13, 1998 for KPMG S.A. (replacing CCAS, appointed in 1986, a firm acquired by KPMG S.A. in 1997) and on May 14, 2004 for ERNST & YOUNG Audit.

As at December 31, 2020, KPMG S.A. was in its twenty-third year of total uninterrupted engagement and ERNST & YOUNG Audit in its seventeenth year.

# Responsibilities of Management and Those Charged with Governance for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with International Financial Reporting Standards as adopted by the European Union and for such internal control as Management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, Management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless it is expected to liquidate the Company or to cease operations.

The Audit Committee is responsible for monitoring the financial reporting process and the effectiveness of internal control and risks management systems and where applicable, its internal audit, regarding the accounting and financial reporting procedures.

The consolidated financial statements were approved by the Board of Directors.

# Statutory Auditors' Responsibilities for the Audit of the Consolidated Financial Statements

#### Objectives and audit approach

Our role is to issue a report on the consolidated financial statements. Our objective is to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with professional standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As specified in Article L. 823-10-1 of the French Commercial Code (*Code de commerce*), our statutory audit does not include assurance on the viability of the Company or the quality of management of the affairs of the Company.

As part of an audit conducted in accordance with professional standards applicable in France, the statutory auditor exercises professional judgment throughout the audit and furthermore:

- ▶ Identifies and assesses the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, designs and performs audit procedures responsive to those risks, and obtains audit evidence considered to be sufficient and appropriate to provide a basis for his opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- ▶ Obtains an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the internal control.
- ► Evaluates the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by Management in the consolidated financial statements.
- Assesses the appropriateness of Management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. This assessment is based on the audit evidence obtained up to the date of his audit report. However, future events or conditions may cause the Company to cease to continue as a going concern. If the statutory auditor concludes that a material uncertainty exists, there is a requirement to draw attention in the audit report to the related disclosures in the consolidated financial statements or, if such disclosures are not provided or inadequate, to modify the opinion expressed therein.
- ► Evaluates the overall presentation of the consolidated financial statements and assesses whether these statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtains sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. The statutory auditor is responsible for the direction, supervision and performance of the audit of the consolidated financial statements and for the opinion expressed on these consolidated financial statements.

### Report to the Audit Committee

We submit to the Audit Committee a report which includes in particular a description of the scope of the audit and the audit program implemented, as well as the results of our audit. We also report, if any, significant deficiencies in internal control regarding the accounting and financial reporting procedures that we have identified.

Our report to the Audit Committee includes the risks of material misstatement that, in our professional judgment, were of most significance in the audit of the consolidated financial statements of the current period and which are therefore the key audit matters that we are required to describe in this report.

We also provide the Audit Committee with the declaration provided for in Article 6 of Regulation (EU) No 537/2014, confirming our independence within the meaning of the rules applicable in France such as they are set in particular by Articles L. 822-10 to L. 822-14 of the French Commercial Code (Code de commerce) and in the French Code of Ethics (code de déontologie) for statutory auditors. Where appropriate, we discuss with the Audit Committee the risks that may reasonably be thought to bear on our independence, and the related safeguards.

Paris-La Défense, March 17, 2021

The Statutory Auditors French original signed by

KPMG Audit
A Division of KPMG S.A.

**ERNST & YOUNG Audit** 

Jacques-François Lethu Partner Eric Jacquet Partner Laurent Vitse Partner Céline Eydieu-Boutté Partner

# **Consolidated statement of income**

# **TOTAL**

For the year ended December 31,

| . o. mo you onder Doomie. o.,   |                 |          |           |           |
|---|-----------------|----------|-----------|-----------|
| (M\$) <sup>(a)</sup>  |                 | 2020     | 2019      | 2018      |
| Sales   | (Notes 3, 4, 5) | 140,685  | 200,316   | 209,363   |
| Excise taxes  | (Notes 3 & 5)   | (20,981) | (24,067)  | (25,257)  |
| Revenues from sales   | (Notes 3 & 5)   | 119,704  | 176,249   | 184,106   |
| Purchases, net of inventory variation   | (Note 5)        | (77,486) | (116,221) | (125,816) |
| Other operating expenses  | (Note 5)        | (25,538) | (27,255)  | (27,484)  |
| Exploration costs   | (Note 5)        | (731)    | (785)     | (797)     |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (Note 5)        | (22,264) | (15,731)  | (13,992)  |
| Other income  | (Note 6)        | 2,237    | 1,163     | 1,838     |
| Other expense   | (Note 6)        | (1,506)  | (1,192)   | (1,273)   |
| Financial interest on debt  |                 | (2,147)  | (2,333)   | (1,933)   |
| Financial income and expense from cash & cash equivalents                       |                 | 37       | (19)      | (188)     |
| Cost of net debt  | (Note 15)       | (2,110)  | (2,352)   | (2,121)   |
| Other financial income  | (Note 6)        | 914      | 792       | 1,120     |
| Other financial expense   | (Note 6)        | (690)    | (764)     | (685)     |
| Net income (loss) from equity affiliates  | (Note 8)        | 452      | 3,406     | 3,170     |
| Income taxes  | (Note 11)       | (318)    | (5,872)   | (6,516)   |
| Consolidated net income   |                 | (7,336)  | 11,438    | 11,550    |
| Group share   |                 | (7,242)  | 11,267    | 11,446    |
| Non-controlling interests   |                 | (94)     | 171       | 104       |
| Earnings per share (\$)   |                 | (2.90)   | 4.20      | 4.27      |
| Fully-diluted earnings per share (\$)   |                 | (2.90)   | 4.17      | 4.24      |
|   |                 |          |           |           |

<sup>(</sup>a) Except for per share amounts.

# **Consolidated statement of comprehensive income**

# **TOTAL**

# For the year ended December 31,

| (M\$)  |                 | 2020    | 2019    | 2018    |
|--|-----------------|---------|---------|---------|
| Consolidated net income  |                 | (7,336) | 11,438  | 11,550  |
| Other comprehensive income   |                 |         |         |         |
| Actuarial gains and losses   | (Note 10)       | (212)   | (192)   | (12)    |
| Change in fair value of investments in equity instruments            | (Note 8)        | 533     | 142     | -       |
| Tax effect   |                 | 65      | 53      | 13      |
| Currency translation adjustment generated by the parent company      | (Note 9)        | 7,541   | (1,533) | (4,022) |
| Items not potentially reclassifiable to profit and loss              |                 | 7,927   | (1,530) | (4,021) |
| Currency translation adjustment                                      | (Note 9)        | (4,645) | 740     | 1,113   |
| Cash flow hedge  | (Notes 15 & 16) | (313)   | (599)   | 25      |
| Variation of foreign currency basis spread                           | (Note 15)       | 28      | 1       | (80)    |
| Share of other comprehensive income of equity affiliates, net amount | (Note 8)        | (1,831) | 408     | (540)   |
| Other  |                 | (8)     | (3)     | (5)     |
| Tax effect   |                 | 72      | 202     | 14      |
| Items potentially reclassifiable to profit and loss                  |                 | (6,697) | 749     | 527     |
| Total other comprehensive income (net amount)                        |                 | 1,230   | (781)   | (3,494) |
| Comprehensive income   |                 | (6,106) | 10,657  | 8,056   |
| - Group share  |                 | (6,312) | 10,418  | 8,021   |
| - Non-controlling interests  | (Note 9)        | 206     | 239     | 35      |

# **Consolidated balance sheet**

# **TOTAL**

| As of December 31,  |               |          |          |          |
|---|---------------|----------|----------|----------|
| (M\$)   |               | 2020     | 2019     | 2018     |
| (ΜΦ)  |               | 2020     | 2013     | 2010     |
| ASSETS  |               |          |          |          |
| Non-current assets  |               |          |          |          |
| Intangible assets, net  | (Notes 4 & 7) | 33,528   | 33,178   | 28,922   |
| Property, plant and equipment, net  | (Notes 4 & 7) | 108,335  | 116,408  | 113,324  |
| Equity affiliates: investments and loans                                    | (Note 8)      | 27,976   | 27,122   | 23,444   |
| Other investments   | (Note 8)      | 2,007    | 1,778    | 1,421    |
| Non-current financial assets  | (Note 15)     | 4,781    | 912      | 680      |
| Deferred income taxes   | (Note 11)     | 7,016    | 6,216    | 6,663    |
| Other non-current assets  | (Note 6)      | 2,810    | 2,415    | 2,509    |
| Total non-current assets  |               | 186,453  | 188,029  | 176,963  |
| Current assets  |               |          |          |          |
| Inventories, net  | (Note 5)      | 14,730   | 17,132   | 14,880   |
| Accounts receivable, net  | (Note 5)      | 14,068   | 18,488   | 17,270   |
| Other current assets  | (Note 5)      | 13,428   | 17,013   | 14,724   |
| Current financial assets  | (Note 15)     | 4,630    | 3,992    | 3,654    |
| Cash and cash equivalents   | (Note 15)     | 31,268   | 27,352   | 27,907   |
| Assets classified as held for sale  | (Note 2)      | 1,555    | 1,288    | 1,364    |
| Total current assets  |               | 79,679   | 85,265   | 79,799   |
| Total assets  |               | 266,132  | 273,294  | 256,762  |
| LIABILITIES & SHAREHOLDERS' EQUITY  |               |          |          |          |
| Shareholders' equity  |               |          |          |          |
| Common shares   |               | 8,267    | 8,123    | 8,227    |
| Paid-in surplus and retained earnings                                       |               | 107,078  | 121,170  | 120,569  |
| Currency translation adjustment   |               | (10,256) | (11,503) | (11,313) |
| Treasury shares   |               | (1,387)  | (1,012)  | (1,843)  |
| Total shareholders' equity - Group share                                    | (Note 9)      | 103,702  | 116,778  | 115,640  |
| Non-controlling interests   |               | 2,383    | 2,527    | 2,474    |
| Total shareholders' equity  |               | 106,085  | 119,305  | 118,114  |
| Non-current liabilities   |               |          |          |          |
| Deferred income taxes   | (Note 11)     | 10,326   | 11,858   | 11,490   |
| Employee benefits   | (Note 10)     | 3,917    | 3,501    | 3,363    |
| Provisions and other non-current liabilities                                | (Note 12)     | 20,925   | 20,613   | 21,432   |
| Non-current financial debt  | (Note 15)     | 60,203   | 47,773   | 40,129   |
| Total non-current liabilities   |               | 95,371   | 83,745   | 76,414   |
| Current liabilities   |               |          |          |          |
| Accounts payable  |               | 23,574   | 28,394   | 26,134   |
| Other creditors and accrued liabilities                                     | (Note 5)      | 22,465   | 25,749   | 22,246   |
| Current borrowings  | (Note 15)     | 17,099   | 14,819   | 13,306   |
| Other current financial liabilities   | (Note 15)     | 203      | 487      | 478      |
| Liabilities directly associated with the assets classified as held for sale | (Note 2)      | 1,335    | 795      | 70       |
| Total current liabilities   |               | 64,676   | 70,244   | 62,234   |
| Total liabilities & shareholders' equity                                    |               | 266,132  | 273,294  | 256,762  |

# **Consolidated statement of cash flow**

# **TOTAL**

| For the year ended December 31, (M\$)  |            | 2020     | 2019     | 2018     |
|--|------------|----------|----------|----------|
| CASH FLOW FROM OPERATING ACTIVITIES  |            |          |          |          |
| Consolidated net income  |            | (7,336)  | 11,438   | 11,550   |
| Depreciation, depletion, amortization and impairment                           | (Note 5.3) | 22,861   | 16,401   | 14,584   |
| Non-current liabilities, valuation allowances, and deferred taxes              | (Note 5.5) | (1,782)  | (58)     | (887)    |
| (Gains) losses on disposals of assets  |            | (909)    | (614)    | (930)    |
| Undistributed affiliates' equity earnings                                      |            | 948      | (1,083)  | (826)    |
| (Increase) decrease in working capital   | (Note 5.5) | 1,869    | (1,718)  | 769      |
| Other changes, net   |            | (848)    | 319      | 443      |
| Cash flow from operating activities  |            | 14,803   | 24,685   | 24,703   |
| CASH FLOW USED IN INVESTING ACTIVITIES   |            |          |          |          |
| Intangible assets and property, plant and equipment additions                  | (Note 7)   | (10,764) | (11,810) | (17,080) |
| Acquisitions of subsidiaries, net of cash acquired                             |            | (966)    | (4,748)  | (3,379)  |
| Investments in equity affiliates and other securities                          |            | (2,120)  | (1,618)  | (1,108)  |
| Increase in non-current loans  |            | (1,684)  | (1,061)  | (618)    |
| Total expenditures   |            | (15,534) | (19,237) | (22,185) |
| Proceeds from disposals of intangible assets and property, plant and equipment |            | 740      | 527      | 3,716    |
| Proceeds from disposals of subsidiaries, net of cash sold                      |            | 282      | 158      | 12       |
| Proceeds from disposals of non-current investments                             |            | 578      | 349      | 1,444    |
| Repayment of non-current loans   |            | 855      | 1,026    | 2,067    |
| Total divestments  |            | 2,455    | 2,060    | 7,239    |
| Cash flow used in investing activities   |            | (13,079) | (17,177) | (14,946) |
| CASH FLOW FROM FINANCING ACTIVITIES  |            |          |          |          |
| Issuance (repayment) of shares:  |            |          |          |          |
| - Parent company shareholders  |            | 374      | 452      | 498      |
| - Treasury shares  |            | (611)    | (2,810)  | (4,328)  |
| Dividends paid:  |            |          |          |          |
| - Parent company shareholders  |            | (6,688)  | (6,641)  | (4,913)  |
| - Non-controlling interests  |            | (184)    | (115)    | (97)     |
| Net issuance of perpetual subordinated notes                                   | (Note 9)   | 331      | -        | -        |
| Payments on perpetual subordinated notes                                       | (Note 9)   | (315)    | (371)    | (325)    |
| Other transactions with non-controlling interests                              |            | (204)    | 10       | (622)    |
| Net issuance (repayment) of non-current debt                                   | (Note 15)  | 15,800   | 8,131    | 649      |
| Increase (decrease) in current borrowings                                      |            | (6,501)  | (5,829)  | (3,990)  |
| Increase (decrease) in current financial assets and liabilities                |            | (604)    | (536)    | (797)    |
| Cash flow from / (used in) financing activities                                |            | 1,398    | (7,709)  | (13,925) |
| Net increase (decrease) in cash and cash equivalents                           |            | 3,122    | (201)    | (4,168)  |
| Effect of exchange rates   |            | 794      | (354)    | (1,110)  |
| Cash and cash equivalents at the beginning of the period                       |            | 27,352   | 27,907   | 33,185   |
| 1 0 1  |            |          |          |          |

# Consolidated statement of changes in shareholders' equity

# **TOTAL**

|  | Common shares | s issued | Paid-in<br>surplus and<br>retained<br>earnings | Currency<br>translation<br>adjustment | Treasury sh  | Treasury shares |         | Non-<br>controlling<br>interests | Total<br>shareholders'<br>equity |
|--|---------------|----------|--|---------------------------------------|--------------|-----------------|---------|----------------------------------|----------------------------------|
| (M\$)  | Number        | Amount   |  |                                       | Number       | Amount          |         |                                  |                                  |
| As of January 1, 2018                                    | 2,528,989,616 | 7,882    | 112,040  | (7,908)                               | (8,376,756)  | (458)           | 111,556 | 2,481                            | 114,037                          |
| Net income 2018  | -             | -        | 11,446   | -                                     | -            | -               | 11,446  | 104                              | 11,550                           |
| Other comprehensive income                               | -             | -        | (20)   | (3,405)                               | -            | -               | (3,425) | (69)                             | (3,494)                          |
| Comprehensive income                                     | -             | -        | 11,426   | (3,405)                               | -            | -               | 8,021   | 35                               | 8,056                            |
| Dividend   | -             | -        | (7,881)  | <u>-</u>                              | -            | -               | (7,881) | (97)                             | (7,978)                          |
| Issuance of common shares                                | 156,203,090   | 476      | 8,366  | -                                     | -            | -               | 8,842   | -                                | 8,842                            |
| Purchase of treasury shares                              | -             | -        | -  | -                                     | (72,766,481) | (4,328)         | (4,328) | -                                | (4,328)                          |
| Sale of treasury shares <sup>(a)</sup>                   | -             | -        | (240)  | -                                     | 4,079,257    | 240             | -       | -                                | -                                |
| Share-based payments                                     | -             | -        | 294  | -                                     | <del>-</del> | -               | 294     | -                                | 294                              |
| Share cancellation                                       | (44,590,699)  | (131)    | (2,572)  | <u>-</u>                              | 44,590,699   | 2,703           |         | <u>-</u>                         |                                  |
| Net issuance (repayment) of perpetual subordinated notes | -             | -        | -  | -                                     | -            | -               | -       | -                                | -                                |
| Payments on perpetual subordinated notes                 | -             | -        | (315)  | -                                     | -            | -               | (315)   | -                                | (315)                            |
| Other operations with non-controlling interests          | -             | -        | (517)  | -                                     | -            | -               | (517)   | (99)                             | (616)                            |
| Other items  |               |          | (32)   | <u>-</u>                              |              |                 | (32)    | 154                              | 122                              |
| As of December 31, 2018                                  | 2,640,602,007 | 8,227    | 120,569  | (11,313)                              | (32,473,281) | (1,843)         | 115,640 | 2,474                            | 118,114                          |
| Net income 2019  | -             |          | 11,267   | (11,010)                              | (02,470,201) | (1,040)         | 11,267  | 171                              | 11,438                           |
| Other comprehensive income                               |               |          | (659)  | (190)                                 |              |                 | (849)   | 68                               | (781)                            |
| Comprehensive income                                     |               |          | 10,608   | (190)                                 |              |                 | 10,418  | 239                              | 10,657                           |
| Dividend   |               | <u>-</u> | (7,730)  | (190)                                 | <del>-</del> | <u>-</u>        | (7,730) | (115)                            | (7,845)                          |
| Issuance of common shares                                | 26,388,503    | 74       | 1,265  |                                       |              |                 | 1,339   | (113)                            | 1,339                            |
| Purchase of treasury shares                              | 20,300,303    |          | 1,203  |                                       | (52,389,336) | (2,810)         | (2,810) | <del>-</del>                     | (2,810)                          |
| Sale of treasury shares <sup>(a)</sup>                   |               |          | (219)  |                                       | 4,278,948    | 219             | (2,010) |                                  | (2,010)                          |
| Share-based payments                                     |               |          | 207  |                                       | 4,270,946    | 219             | 207     |                                  | 207                              |
| Share cancellation                                       | (65,109,435)  | (178)    |  |                                       | 65,109,435   | 3,422           | 201     | <del>-</del>                     | 201                              |
| Net issuance (repayment) of perpetual                    |               |          | (3,244)  |                                       | 05,109,455   | 3,422           |         | <u>-</u>                         |                                  |
| subordinated notes                                       | <del>-</del>  | ·        | (4)  | ·                                     | -<br>        | ·               | (4)     | -                                | (4)                              |
| Payments on perpetual subordinated notes                 | <del>-</del>  | -        | (353)  | -                                     | <b>-</b>     | -               | (353)   | -                                | (353)                            |
| Other operations with non-controlling interests          | -             | -        | 55   | -                                     | -            | -               | 55      | (42)                             | 13                               |
| Other items  | -             | -        | 16   | -                                     | -            | -               | 16      | (29)                             | (13)                             |
| As of December 31, 2019                                  | 2,601,881,075 | 8,123    | 121,170  | (11,503)                              | (15,474,234) | (1,012)         | 116,778 | 2,527                            | 119,305                          |
| Net income 2020  | -             | -        | (7,242)  | -                                     | -            | -               | (7,242) | (94)                             | (7,336)                          |
| Other comprehensive income                               | -             | -        | (321)  | 1,251                                 | -            | -               | 930     | 300                              | 1,230                            |
| Comprehensive income                                     | -             | -        | (7,563)  | 1,251                                 | -            | -               | (6,312) | 206                              | (6,106)                          |
| Dividend   | -             | -        | (7,899)  | -                                     | -            | -               | (7,899) | (234)                            | (8,133)                          |
| Issuance of common shares                                | 51,242,950    | 144      | 1,470  | -                                     | -            | -               | 1,614   | -                                | 1,614                            |
| Purchase of treasury shares                              | <del>-</del>  | -        | -  | -                                     | (13,236,044) | (611)           | (611)   | -                                | (611)                            |
| Sale of treasury shares <sup>(a)</sup>                   | -             | -        | (236)  | -                                     | 4,317,575    | 236             | -       | -                                | -                                |
| Share-based payments                                     | -             | -        | 188  | -                                     | -            | -               | 188     | -                                | 188                              |
| Share cancellation                                       | -             | -        | -  | -                                     | •            | -               | -       | -                                | -                                |
| Net issuance (repayment) of perpetual subordinated notes | -             | -        | 331  | -                                     | -            | -               | 331     | -                                | 331                              |
| Payments on perpetual subordinated notes                 | -             | -        | (308)  | -                                     | -            | -               | (308)   | <b>-</b>                         | (308)                            |
| Other operations with non-controlling interests          | -             | -        | (61)   | (4)                                   | -            | -               | (65)    | (117)                            | (182)                            |
| Other items  | -             | -        | (14)   | -                                     | -            | -               | (14)    | 1                                | (13)                             |
| As of December 31, 2020                                  | 2,653,124,025 | 8,267    | 107,078  | (10,256)                              | (24,392,703) | (1,387)         | 103,702 | 2,383                            | 106,085                          |

<sup>(</sup>a) Treasury shares related to the restricted stock grants.

Changes in equity are detailed in Note 9.

#### TOTAL

# **Notes to the Consolidated Financial Statements**

On February 8, 2021, the Board of Directors established and authorized the publication of the Consolidated Financial Statements of TOTAL SE for the year ended December 31, 2020, which will be submitted for approval to the Shareholders' Meeting to be held on May 28, 2021.

# Basis of preparation of the consolidated financial statements

The Consolidated Financial Statements of TOTAL SE and its subsidiaries (the Group) are presented in U.S. dollars and have been prepared on the basis of IFRS (International Financial Reporting Standards) as adopted by the European Union and IFRS as issued by the IASB (International Accounting Standard Board) as of December 31, 2020.

The accounting principles applied for the consolidated financial statements at December 31, 2020, were the same as those that were used for the financial statements at December 31, 2019, with the exception of new IFRS standards listed below which had not been early adopted by the Group.

As of January 1st, 2020, the Group early adopted the amendments to IFRS 7 and IFRS 9 relating to the interest rate benchmark reform phase II. In particular, these amendments allow to maintain the hedge accounting qualification of interest rate derivatives.

As part of this transition, the Group set up a working group in order to cover all aspects relating to the IBOR reform and is currently assessing the future impacts of these index changes.

As of December 31, 2020, except for the index change on the remuneration of cash collateral with clearing houses, whose impact is not material, no modification of the IBOR indices was applied on financial instruments used by the Group.

# Major judgments and accounting estimates

The preparation of financial statements in accordance with IFRS for the closing as of December 31, 2020 requires the executive management to make estimates, assumptions and judgments that affect the information reported in the Consolidated Financial Statements and the Notes thereto.

These estimates, assumptions and judgments are based on historical experience and other factors believed to be reasonable at the date of preparation of the financial statements. They are reviewed on an on-going basis by management and therefore could be revised as circumstances change or as a result of new information.

Different estimates, assumptions and judgments could significantly affect the information reported, and actual results may differ from the amounts included in the Consolidated Financial Statements and the Notes thereto.

The following summary provides further information about the key estimates, assumptions and judgments that are involved in preparing, the Consolidated Financial Statements and the Notes thereto. It should be read in conjunction with the sections of the Notes mentioned in the summary.

The consolidated financial statements are impacted by the health and oil crises. The Group has taken into account the impact of this environment, particularly on the depreciation and impairment of oil and gas assets (see Note 3.D "Asset impairment" and Note 7.2 "Tangible assets").

#### > Estimation of hydrocarbon reserves

The estimation of oil and gas reserves is a key factor in the Successful Efforts method used by the Group to account for its oil and gas activities.

The Group's oil and gas reserves are estimated by the Group's petroleum engineers in accordance with industry standards and SEC (*U.S. Securities and Exchange Commission*) regulations.

Proved oil and gas reserves are those quantities of oil and gas, which, by analysis of geosciences and engineering data, can be determined with reasonable certainty to be recoverable (from a given date forward, from known reservoirs, and

under existing economic conditions, operating methods, and government regulations), prior to the time at which contracts providing the rights to operate expire, unless evidence indicates that renewal is reasonably certain, regardless of whether deterministic or probabilistic methods are used for the estimation.

Proved oil and gas reserves are calculated using a 12-month average price determined as the unweighted arithmetic average of the first-day-of-the-month price for each month of the relevant year unless prices are defined by contractual arrangements, excluding escalations based upon future conditions. The Group reassesses its oil and gas reserves at least once a year on all its properties.

The Successful Efforts method and the mineral interests and property, plant and equipment of exploration and production are presented in Note 7 "Intangible and tangible assets".

#### Impairment of property, plant and equipment, intangible assets and goodwill

As part of the determination of the recoverable value of assets for impairment (IAS36), the estimates, assumptions and judgments mainly concern hydrocarbon prices scenarios, operating costs, production volumes and oil and gas proved and probable reserves, refining margins and product marketing conditions (mainly petroleum, petrochemical and chemical products as well as renewable industry products). The estimates and assumptions used by the executive management are determined in specialized internal departments in light of economic conditions and external expert analysis. The discount rate is reviewed annually.

In 2020, the Group decided to revise the price assumptions used for its assets impairment tests. Based on these new assumptions, asset impairments were recorded during the period. In line with its new Climate Ambition announced on May 5, 2020, which aims at carbon neutrality, the Group has reviewed its oil assets that can be qualified as "stranded", and therefore has decided to impair its oil sands assets in Canada. These impairments and revised assumptions are presented in Note 3.D "Asset impairment".

Impairment of assets and the method applied are described in Note 3 "Business segment information".

#### > Employee benefits

The benefit obligations and plan assets can be subject to significant volatility due in part to changes in market values and actuarial assumptions. These assumptions vary between different pension plans and thus take into account local conditions. They are determined following a formal process involving expertise and Group internal judgments, in financial and actuarial terms, and also in consultation with actuaries and independent experts.

The assumptions for each plan are reviewed annually and adjusted if necessary to reflect changes from the experience and actuarial advice. The discount rate is reviewed quarterly.

Payroll, staff and employee benefits obligations and the method applied are described in Note 10 "Payroll, staff and employee benefits obligations".

#### > Asset retirement obligations

Asset retirement obligations, which result from a legal or constructive obligation, are recognized based on a reasonable estimate in the period in which the obligation arises.

This estimate is based on information available in terms of costs and work program. It is regularly reviewed to take into account the changes in laws and regulations, the estimates of reserves and production, the analysis of site conditions and technologies.

The discount rate is reviewed annually.

Asset retirement obligations and the method used are described in Note 12 "Provisions and other non-current liabilities".

#### Income Taxes

A tax liability is recognized when in application of a tax regulation, a future payment is considered probable and can be reasonably estimated. The exercise of judgment is required to assess the impact of new events on the amount of the liability.

Deferred tax assets are recognized in the accounts to the extent that their recovery is considered probable. The amount of these assets is determined after taking into account deferred tax liabilities with comparable maturity, arising from the same entities and tax regimes. It takes into account existing taxable profits and future taxable profits which estimation is inherently uncertain and subject to change over time. The exercise of judgment is required to assess the impact of

new events on the value of these assets and including changes in estimates of future taxable profits and the deadlines for their use.

In addition, these tax positions may depend on interpretations of tax laws and regulations in the countries where the Group operates. These interpretations may have uncertain nature. Depending on the circumstances, they are final only after negotiations or resolution of disputes with authorities that can last several years.

Incomes taxes and the accounting methods are described in Note 11 "Income taxes".

# Judgments in case of transactions not addressed by any accounting standard or interpretation

Furthermore, when the accounting treatment of a specific transaction is not addressed by any accounting standard or interpretation, the management applies its judgment to define and apply accounting policies that provide information consistent with the general IFRS concepts: faithful representation, relevance and materiality.

# 1) General accounting policies

# 1.1) Accounting policies

# A) Principles of consolidation

Entities that are directly controlled by the parent company or indirectly controlled by other consolidated entities are fully consolidated.

Investments in joint ventures are consolidated under the equity method. The Group accounts for joint operations by recognizing its share of assets, liabilities, income and expenses.

Investments in associates, in which the Group has significant influence, are accounted for by the equity method. Significant influence is presumed when the Group holds, directly or indirectly (e.g. through subsidiaries), 20% or more of the voting rights. Companies in which ownership interest is less than 20%, but over which the Company is deemed to exercise significant influence, are also accounted for by the equity method.

All internal balances, transactions and income are eliminated.

#### B) Business combinations

Business combinations are accounted for using the acquisition method. This method requires the recognition of the acquired identifiable assets and assumed liabilities of the companies acquired by the Group at their fair value.

The purchase accounting of the acquisition is finalized up to a maximum of one year from the acquisition date.

The acquirer shall recognize goodwill at the acquisition date, being the excess of:

- The consideration transferred, the amount of non-controlling interests and, in business combinations achieved in stages, the fair value at the acquisition date of the investment previously held in the acquired company;
- Over the fair value at the acquisition date of acquired identifiable assets and assumed liabilities.

If the consideration transferred is lower than the fair value of acquired identifiable assets and assumed liabilities, an additional analysis is performed on the identification and valuation of the identifiable elements of the assets and liabilities. After having completed such additional analysis, any negative goodwill is recorded as income.

Non-controlling interests are measured either at their proportionate share in the net assets of the acquired company or at fair value.

In transactions with non-controlling interests, the difference between the price paid (received) and the book value of non-controlling interests acquired (sold) is recognized directly in equity.

# C) Foreign currency translation

The presentation currency of the Group's Consolidated Financial Statements is the US dollar. However, the functional currency of the parent company is the euro. The resulting currency translation adjustments are presented on the line "currency translation adjustment generated by the parent company" of the consolidated statement of comprehensive income, within "items not potentially reclassifiable to profit and loss". In the balance sheet, they are recorded in "currency translation adjustment".

The financial statements of subsidiaries are prepared in the currency that most clearly reflects their business environment. This is referred to as their functional currency.

Since 1st July 2018, Argentina is considered to be hyperinflationary. IAS 29 "Financial Reporting in Hyperinflationary Economies" is applicable to entities whose functional currency is the Argentine peso. The functional currency of the Argentine Exploration & Production subsidiary is the US dollar, therefore IAS 29 has no incidence on the Group accounts. Net asset of the other business segments is not significant.

#### (i) Monetary transactions

Transactions denominated in currencies other than the functional currency of the entity are translated at the exchange rate on the transaction date. At each balance sheet date, monetary assets and liabilities are translated at the closing rate and the resulting exchange differences are recognized in the statement of income.

### (ii) Translation of financial statements

Assets and liabilities of entities denominated in currencies other than dollar are translated into dollar on the basis of the exchange rates at the end of the period. The income and cash flow statements are translated using the average exchange rates for the period. Foreign exchange differences resulting from such translations are either recorded in shareholders' equity under "Currency translation adjustments" (for the Group share) or under "Non-controlling interests" (for the share of non-controlling interests) as deemed appropriate.

# 1.2) Significant accounting policies applicable in the future

The expected impact of the standards or interpretations published respectively by the International Accounting Standards Board (IASB) and the International Financial Reporting Standards Interpretations Committee (IFRS IC) which were not yet in effect at December 31, 2020, is not material.

# 2) Changes in the Group structure

# 2.1) Main acquisitions and divestments

In 2020, the main changes in the Group structure were as follows:

#### > Integrated Gas, Renewables & Power

- On February 28, 2020, TOTAL finalized the acquisition of a 37.4% interest in Adani Gas Limited, one of the four main distributors of city gas in India. To acquire 37.4% of equity shares of Adani Gas Limited, TOTAL launched a tender offer to public shareholders on October 14, 2019 that ended on January 14, 2020, and then acquired the remaining shares from Adani on February 27 and 28, 2020.
- On December 1, 2020, TOTAL finalized the acquisition from Energías de Portugal of its activity of gas and
  electricity supply to residential customers in Spain, which represents a portfolio of 2 million customers, as
  well as two gas-fired combined cycle power plants which represent an electricity generation capacity of
  nearly 850 megawatts.

#### > Exploration & Production

- On March 31, 2020, TOTAL finalized the sale of its subsidiary Total E&P Deep Offshore Borneo BV which holds an 86.95% interest in Block CA1, located 100 kilometers off the coast of Brunei, to Shell.
- On August 6, 2020, TOTAL closed the sale of UK North Sea non-core assets to NEO Energy.
- In November, 2020, TOTAL finalized the acquisition of 33.3% interest of Tullow's interests in the Uganda Lake Albert development project including the East African Crude Oil Pipeline.

# 2.2) Major business combinations

# **Accounting policies**

In accordance with IFRS 3 "Business combinations", TOTAL is assessing the fair value of identifiable acquired assets, liabilities and contingent liabilities on the basis of available information. This assessment will be finalised within 12 months following the acquisition date.

#### Integrated Gas, Renewables & Power

#### **EDP Comercializadora Espagne**

On December 1, 2020, TOTAL finalized the acquisition from Energías de Portugal of its activity of gas and
electricity supply to residential customers in Spain as well as two gas-fired combined cycle power plants.
This transaction was recorded for a purchase price of \$578 million and a preliminary goodwill of \$345 million
was recognized in the consolidated financial statements at December 31, 2020.

In the consolidated financial statements as at December 31, 2020, the fair value of the acquired identifiable assets and of the liabilities assumed amounts to \$233 million.

The preliminary purchase price allocation is shown below:

| (M\$)                        | At the acquisition date |
|------------------------------|-------------------------|
| Goodwill                     | 345                     |
| Intangible assets            | 56                      |
| Tangible assets              | 235                     |
| Other assets and liabilities | (58)                    |
| Debt net of cash acquired    | -                       |
| Fair value of consideration  | 578                     |

# 2.3) Divestment projects

### **Accounting policies**

Pursuant to IFRS 5 "Non-current assets held for sale and discontinued operations", assets and liabilities of affiliates that are held for sale are presented separately on the face of the balance sheet. Depreciation of assets ceases from the date of classification in "Non-current assets held for sale".

#### Exploration & Production

 On July 30, 2020, TOTAL announced that its 58% owned affiliate Total Gabon has signed an agreement with Perenco to divest its interests in seven mature non-operated offshore fields, along with its interests and operatorship in the Cap Lopez oil terminal. The transaction remains subject to approval by the Gabonese authorities. As of December 31, 2020, the assets and liabilities have been respectively classified in the consolidated balance sheet as "assets classified as held for sale" for an amount of \$391 million and "liabilities classified as held for sale" for an amount of \$150 million. These assets mainly include tangible assets.

# > Refining & Chemicals

 On July 27, 2020, TOTAL signed an agreement to sell the Lindsey refinery and its associated logistic assets, as well as all the related rights and obligations, to the Prax Group.

As of December 31, 2020, the assets and liabilities have been respectively classified in the consolidated balance sheet as "assets classified as held for sale" for an amount of \$154 million and "liabilities classified as held for sale" for an amount of \$238 million.

# 3) Business segment information

### Description of the business segments

Financial information by business segment is reported in accordance with the internal reporting system and shows internal segment information that is used to manage and measure the performance of TOTAL and which is reviewed by the main operational decision-making body of the Group, namely the Executive Committee.

The operational profit and assets are broken down by business segment prior to the consolidation and inter-segment adjustments.

Sales prices between business segments approximate market prices.

The profitable growth in the gas and low carbon electricity integrated value chains is one of the key axes of TOTAL's strategy. In order to give more visibility to these businesses, a new reporting structure for the business segments' financial information has been put in place, effective January 1, 2019.

The organization of the Group's activities is structured around the four followings segments:

- An Exploration & Production segment;
- An Integrated Gas, Renewables & Power segment comprising integrated gas (including LNG) and low carbon electricity businesses. It includes the upstream and midstream LNG activity that was previously reported in the Exploration & Production segment;
- A Refining & Chemicals segment constituting a major industrial hub comprising the activities of refining, petrochemicals and specialty chemicals. This segment also includes the activities of oil Supply, Trading and marine Shipping;
- A Marketing & Services segment including the global activities of supply and marketing in the field of petroleum products;

In addition, the Corporate segment includes holdings operating and financial activities.

Certain figures for the year 2018 have been restated in order to reflect the new organization.

#### **Definition of the indicators**

#### (i) Operating income (measure used to evaluate operating performance)

Revenue from sales after deducting cost of goods sold and inventory variations, other operating expenses, exploration expenses and depreciation, depletion, and impairment of tangible assets and mineral interests.

Operating income excludes the amortization of intangible assets other than mineral interests, currency translation adjustments and gains or losses on the disposal of assets.

#### (ii) Net operating income (measure used to evaluate the return on capital employed)

Operating income after taking into account the amortization of intangible assets other than mineral interests, currency translation adjustments, gains or losses on the disposal of assets, as well as all other income and expenses related to capital employed (dividends from non-consolidated companies, income from equity affiliates, capitalized interest expenses...), and after income taxes applicable to the above.

The only income and expense not included in net operating income but included in net income Group share are interest expenses related to net financial debt, after applicable income taxes (net cost of net debt) and non-controlling interests.

#### (iii) Adjusted income

Operating income, net operating income, or net income excluding the effect of adjustment items described below.

#### (iv) Capital employed

Non-current assets and working capital, at replacement cost, net of deferred income taxes and non-current liabilities.

# (v) ROACE (Return on Average Capital Employed)

Ratio of adjusted net operating income to average capital employed between the beginning and the end of the period.

Performance indicators excluding the adjustment items, such as adjusted incomes and ROACE are meant to facilitate the analysis of the financial performance and the comparison of income between periods.

#### Adjustment items

Adjustment items include:

# (i) Special items

Due to their unusual nature or particular significance, certain transactions qualified as "special items" are excluded from the business segment figures. In general, special items relate to transactions that are significant, infrequent or unusual. However, in certain instances, transactions such as restructuring costs or assets disposals, which are not considered to be representative of the normal course of business, may be qualified as special items although they may have occurred within prior years or are likely to occur again within the coming years.

# (ii) The inventory valuation effect

The adjusted results of the Refining & Chemicals and Marketing & Services segments are presented according to the replacement cost method. This method is used to assess the segments' performance and facilitate the comparability of the segments' performance with those of its main competitors.

In the replacement cost method, which approximates the LIFO (Last-In, First-Out) method, the variation of inventory values in the statement of income is, depending on the nature of the inventory, determined using either the monthend prices differential between one period and another or the average prices of the period rather than the historical value. The inventory valuation effect is the difference between the results according to the FIFO (First-In, First-Out) and the replacement cost methods.

### (iii) Effect of changes in fair value

The effect of changes in fair value presented as adjustment items reflects for certain transactions differences between the internal measure of performance used by TOTAL's executive committee and the accounting for these transactions under IFRS.

IFRS requires that trading inventories be recorded at their fair value using period end spot prices. In order to best reflect the management of economic exposure through derivative transactions, internal indicators used to measure performance include valuations of trading inventories based on forward prices.

TOTAL, in its trading activities, enters into storage contracts, which future effects are recorded at fair value in the Group's internal economic performance. IFRS precludes recognition of this fair value effect.

Furthermore, TOTAL enters into derivative instruments to risk manage certain operational contracts or assets. Under IFRS, these derivatives are recorded at fair value while the underlying operational transactions are recorded as they occur. Internal indicators defer the fair value on derivatives to match with the transaction occurrence.

The adjusted results (adjusted operating income, adjusted net operating income, adjusted net income) are defined as replacement cost results, adjusted for special items and the effect of changes in fair value.

# A) Information by business segment

| For the year ended December 31, 2020 (M\$)                                      | Exploration<br>&<br>Production | Integrated<br>Gas,<br>Renewables<br>& Power | Refining<br>&<br>Chemicals | Marketing<br>&<br>Services | Corporate | Intercompany | Total     |
|---|--------------------------------|---|----------------------------|----------------------------|-----------|--------------|-----------|
| Non-Group sales   | 4,973                          | 15,629                                      | 56,615                     | 63,451                     | 17        | -            | 140,685   |
| Intersegment sales  | 18,483                         | 2,003                                       | 17,378                     | 357                        | 223       | (38,444)     | -         |
| Excise taxes  | -                              | -   | (2,405)                    | (18,576)                   | -         | -            | (20,981)  |
| Revenues from sales   | 23,456                         | 17,632                                      | 71,588                     | 45,232                     | 240       | (38,444)     | 119,704   |
| Operating expenses  | (11,972)                       | (15,847)                                    | (70,524)                   | (42,807)                   | (1,049)   | 38,444       | (103,755) |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (16,998)                       | (2,312)                                     | (1,878)                    | (984)                      | (92)      | -            | (22,264)  |
| Operating income  | (5,514)                        | (527)                                       | (814)                      | 1,441                      | (901)     | -            | (6,315)   |
| Net income (loss) from equity affiliates and other items                        | 697                            | 794   | (393)                      | 37                         | 272       | -            | 1,407     |
| Tax on net operating income   | (208)                          | 71  | 59                         | (515)                      | (67)      | -            | (660)     |
| Net operating income  | (5,025)                        | 338   | (1,148)                    | 963                        | (696)     | -            | (5,568)   |
| Net cost of net debt  |                                |   |                            |                            |           |              | (1,768)   |
| Non-controlling interests   |                                |   |                            |                            |           |              | 94        |
| Net income - group share  |                                |   |                            |                            |           |              | (7,242)   |

| For the year ended December 31, 2020 (adjustments) <sup>(a)</sup>               | Exploration & | Integrated<br>Gas,    | Refining & | Marketing<br>& | Corporate | Intercompany | Total    |
|---|---------------|-----------------------|------------|----------------|-----------|--------------|----------|
| (M\$)   | Production    | Renewables<br>& Power | Chemicals  | Services       | Corporate | intercompany | Total    |
| Non-Group sales   | -             | 20                    | -          | -              | -         | -            | 20       |
| Intersegment sales  | -             | -                     | -          | -              | -         | -            | -        |
| Excise taxes  | -             | -                     | -          | -              | -         | -            | -        |
| Revenues from sales   | -             | 20                    | -          | -              | -         | -            | 20       |
| Operating expenses  | (137)         | (423)                 | (1,552)    | (330)          | (60)      | -            | (2,502)  |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (7,693)       | (953)                 | (306)      | -              | -         | -            | (8,952)  |
| Operating income <sup>(b)</sup>   | (7,830)       | (1,356)               | (1,858)    | (330)          | (60)      | -            | (11,434) |
| Net income (loss) from equity affiliates and other items                        | 54            | (382)                 | (677)      | (24)           | 107       | -            | (922)    |
| Tax on net operating income   | 388           | 298                   | 348        | 93             | (145)     | -            | 982      |
| Net operating income <sup>(b)</sup>   | (7,388)       | (1,440)               | (2,187)    | (261)          | (98)      | -            | (11,374) |
| Net cost of net debt  |               |                       |            |                |           |              | (29)     |
| Non-controlling interests   |               |                       |            |                |           |              | 102      |
| Net income - group share  |               |                       |            |                |           |              | (11,301) |

<sup>(</sup>a) Adjustments include special items, inventory valuation effect and the effect of changes in fair value.
(b) Of which inventory valuation effect

| <br>                    |   |   |         |       |   |
|-------------------------|---|---|---------|-------|---|
| On operating income     | - | - | (1,244) | (196) | - |
| On net operating income | - | - | (1,165) | (137) | - |

| For the year ended December 31, 2020 (adjusted) (M\$)                           | Exploration & Production | Integrated<br>Gas,<br>Renewables<br>& Power | Refining<br>&<br>Chemicals | Marketing<br>&<br>Services | Corporate | Intercompany | Total     |
|---|--------------------------|---|----------------------------|----------------------------|-----------|--------------|-----------|
| Non-Group sales   | 4,973                    | 15,609                                      | 56,615                     | 63,451                     | 17        | -            | 140,665   |
| Intersegment sales  | 18,483                   | 2,003                                       | 17,378                     | 357                        | 223       | (38,444)     | -         |
| Excise taxes  | -                        | -   | (2,405)                    | (18,576)                   | -         | -            | (20,981)  |
| Revenues from sales   | 23,456                   | 17,612                                      | 71,588                     | 45,232                     | 240       | (38,444)     | 119,684   |
| Operating expenses  | (11,835)                 | (15,424)                                    | (68,972)                   | (42,477)                   | (989)     | 38,444       | (101,253) |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (9,305)                  | (1,359)                                     | (1,572)                    | (984)                      | (92)      | -            | (13,312)  |
| Adjusted operating income   | 2,316                    | 829   | 1,044                      | 1,771                      | (841)     | -            | 5,119     |
| Net income (loss) from equity affiliates and other items                        | 643                      | 1,176                                       | 284                        | 61                         | 165       | -            | 2,329     |
| Tax on net operating income   | (596)                    | (227)                                       | (289)                      | (608)                      | 78        | -            | (1,642)   |
| Adjusted net operating income   | 2,363                    | 1,778                                       | 1,039                      | 1,224                      | (598)     | -            | 5,806     |
| Net cost of net debt  |                          |   |                            |                            |           |              | (1,739)   |
| Non-controlling interests   |                          |   |                            |                            |           |              | (8)       |
| Adjusted net income - group share   |                          |   |                            |                            |           |              | 4,059     |

Integrated For the year ended December 31, 2020 Exploration Refining Marketing Gas, Corporate Intercompany Total (M\$) Renewables Chemicals Services Production & Power Total expenditures 6,782 6,230 1,325 1,052 145 15,534 Total divestments 819 1,152 149 158 2,455 177 Cash flow from operating activities 9,922 2,129 2,438 2,101 (1,787)14,803 Balance sheet as of December 31, 2020 Property, plant and equipment, intangible 89,207 30,704 12,486 8,734 732 141,863 assets, net Investments & loans in equity affiliates 7,328 16,455 3,638 555 27,976 5,093 791 Other non-current assets 3,647 1,260 1,042 11,833 1,968 Working capital (1,004)(264)(43)(4,470)(3,813)(24,909)(4,566)(4,658)606 Provisions and other non-current liabilities (1,641)(35,168)Assets and liabilities classified as held for 241 533 375 (83)sale Capital Employed (Balance sheet) 78,928 45,611 11,910 8,865 (2,090)143,224 (607)Less inventory valuation effect (535)(72)**Capital Employed** 78,928 45,611 11,375 8,793 (2,090)142,617 (Business segment information) 3% 4% 9% 14% 4% ROACE as a percentage

| For the year ended December 31, 2019 (M\$)                                      | Exploration<br>&<br>Production | Integrated<br>Gas,<br>Renewables<br>& Power | Refining<br>&<br>Chemicals | Marketing<br>&<br>Services | Corporate | Intercompany | Total     |
|---|--------------------------------|---|----------------------------|----------------------------|-----------|--------------|-----------|
| Non-Group sales   | 7,261                          | 18,167                                      | 87,598                     | 87,280                     | 10        | -            | 200,316   |
| Intersegment sales  | 31,329                         | 2,825                                       | 32,390                     | 659                        | 125       | (67,328)     | -         |
| Excise taxes  | -                              | -   | (3,015)                    | (21,052)                   | -         | -            | (24,067)  |
| Revenues from sales   | 38,590                         | 20,992                                      | 116,973                    | 66,887                     | 135       | (67,328)     | 176,249   |
| Operating expenses  | (16,389)                       | (18,316)                                    | (112,104)                  | (63,855)                   | (925)     | 67,328       | (144,261) |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (11,659)                       | (1,492)                                     | (1,527)                    | (980)                      | (73)      | -            | (15,731)  |
| Operating income  | 10,542                         | 1,184                                       | 3,342                      | 2,052                      | (863)     | -            | 16,257    |
| Net income (loss) from equity affiliates and other items                        | 610                            | 2,330                                       | 322                        | 101                        | 42        | -            | 3,405     |
| Tax on net operating income   | (4,572)                        | (741)                                       | (470)                      | (598)                      | 155       | -            | (6,226)   |
| Net operating income  | 6,580                          | 2,773                                       | 3,194                      | 1,555                      | (666)     | -            | 13,436    |
| Net cost of net debt  |                                |   |                            |                            |           |              | (1,998)   |
| Non-controlling interests   |                                |   |                            |                            |           |              | (171)     |
| Net income - group share  |                                |   |                            |                            |           |              | 11,267    |

|                                      |             |            |            |           | (1,000) |
|--------------------------------------|-------------|------------|------------|-----------|---------|
| Non-controlling interests            |             |            |            |           | (171)   |
| Net income - group share             |             |            |            |           | 11,267  |
| For the year ended December 31, 2019 | Exploration | Integrated | Defining 0 | Marketing |         |

| (adjustments) (a) (M\$)   | Exploration & Production | Integrated<br>Gas,<br>Renewables<br>& Power | Refining & Chemicals | Marketing<br>&<br>Services | Corporate | Intercompany | Total   |
|---|--------------------------|---|----------------------|----------------------------|-----------|--------------|---------|
| Non-Group sales   | -                        | (64)  | -                    | -                          | -         | -            | (64)    |
| Intersegment sales  | -                        | -   | -                    | -                          | -         | -            | -       |
| Excise taxes  | -                        | -   | -                    | -                          | -         | -            | -       |
| Revenues from sales   | -                        | (64)  | -                    | -                          | -         | -            | (64)    |
| Operating expenses  | (145)                    | (240)                                       | 397                  | (40)                       | (112)     | -            | (140)   |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (721)                    | (156)                                       | (41)                 | (2)                        | -         | -            | (920)   |
| Operating income <sup>(b)</sup>   | (866)                    | (460)                                       | 356                  | (42)                       | (112)     | -            | (1,124) |
| Net income (loss) from equity affiliates and other items                        | (112)                    | 974   | (83)                 | (83)                       | -         | -            | 696     |
| Tax on net operating income   | 49                       | (130)                                       | (82)                 | 27                         | (73)      | -            | (209)   |
| Net operating income <sup>(b)</sup>   | (929)                    | 384   | 191                  | (98)                       | (185)     | -            | (637)   |
| Net cost of net debt  |                          |   |                      |                            |           |              | (15)    |
| Non-controlling interests   |                          |   |                      |                            |           |              | 91      |
| Net income - group share  |                          |   |                      |                            |           |              | (561)   |

| (a) Adjustments include special items, inventory valuation effect and the effect of changes in fair | value. |
|---|--------|
| (b) Of which inventory valuation effect   |        |
|   |        |

 On operating income
 477
 (31)

 On net operating income
 371
 (14)

| For the year ended December 31, 2019 (adjusted)  (M\$)                          | Exploration & Production | Integrated<br>Gas,<br>Renewables<br>& Power | Refining<br>&<br>Chemicals | Marketing<br>&<br>Services | Corporate | Intercompany | Total     |
|---|--------------------------|---|----------------------------|----------------------------|-----------|--------------|-----------|
| Non-Group sales   | 7,261                    | 18,231                                      | 87,598                     | 87,280                     | 10        | _            | 200,380   |
| Intersegment sales  | 31,329                   | 2,825                                       | 32,390                     | 659                        | 125       | (67,328)     | ,         |
| Excise taxes  | -                        | -   | (3,015)                    | (21,052)                   | -         | -            | (24,067)  |
| Revenues from sales   | 38,590                   | 21,056                                      | 116,973                    | 66,887                     | 135       | (67,328)     | 176,313   |
| Operating expenses  | (16,244)                 | (18,076)                                    | (112,501)                  | (63,815)                   | (813)     | 67,328       | (144,121) |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (10,938)                 | (1,336)                                     | (1,486)                    | (978)                      | (73)      | -            | (14,811)  |
| Adjusted operating income   | 11,408                   | 1,644                                       | 2,986                      | 2,094                      | (751)     | -            | 17,381    |
| Net income (loss) from equity affiliates and other items                        | 722                      | 1,356                                       | 405                        | 184                        | 42        | -            | 2,709     |
| Tax on net operating income   | (4,621)                  | (611)                                       | (388)                      | (625)                      | 228       | -            | (6,017)   |
| Adjusted net operating income   | 7,509                    | 2,389                                       | 3,003                      | 1,653                      | (481)     | -            | 14,073    |
| Net cost of net debt  |                          |   |                            |                            |           |              | (1,983)   |
| Non-controlling interests   |                          |   |                            |                            |           |              | (262)     |
| Ajusted net income - group share  |                          |   |                            |                            |           |              | 11,828    |

| For the year ended December 31, 2019 (M\$)            | Exploration & Production | Integrated<br>Gas,<br>Renewables<br>& Power | Refining<br>&<br>Chemicals | Marketing<br>&<br>Services | Corporate | Intercompany | Total    |
|---|--------------------------|---|----------------------------|----------------------------|-----------|--------------|----------|
| Total expenditures                                    | 8,992                    | 7,053                                       | 1,698                      | 1,374                      | 120       |              | 19,237   |
| Total divestments                                     | 368                      | 1,108                                       | 322                        | 249                        | 13        |              | 2,060    |
| Cash flow from operating activities                   | 16,917                   | 3,461                                       | 3,837                      | 2,604                      | (2,134)   |              | 24,685   |
| Balance sheet as of December 31, 2019                 |                          |   |                            |                            |           |              |          |
| Property, plant and equipment, intangible assets, net | 98,894                   | 29,597                                      | 12,196                     | 8,316                      | 583       |              | 149,586  |
| Investments & loans in equity affiliates              | 7,631                    | 15,271                                      | 3,787                      | 433                        | -         |              | 27,122   |
| Other non-current assets                              | 4,484                    | 2,993                                       | 744                        | 1,179                      | 1,009     |              | 10,409   |
| Working capital                                       | 2,617                    | (1,192)                                     | 796                        | 178                        | (3,909)   |              | (1,510)  |
| Provisions and other non-current liabilities          | (25,208)                 | (5,488)                                     | (3,898)                    | (1,531)                    | 153       |              | (35,972) |
| Assets and liabilities classified as held for sale    | 426                      | 368   | -                          | -                          | -         |              | 794      |
| Capital Employed (Balance sheet)                      | 88,844                   | 41,549                                      | 13,625                     | 8,575                      | (2,164)   |              | 150,429  |
| Less inventory valuation effect                       | -                        | -   | (1,397)                    | (204)                      | -         |              | (1,601)  |
| Capital Employed (Business segment information)       | 88,844                   | 41,549                                      | 12,228                     | 8,371                      | (2,164)   |              | 148,828  |
| ROACE as a percentage                                 | 8%                       | 6%  | 26%                        | 22%                        |           |              | 10%      |

| For the year ended December 31, 2018  | Exploration & | Integrated<br>Gas,    | Refining & | Marketing<br>& | Corporate | Intercompany | Total     |
|---|---------------|-----------------------|------------|----------------|-----------|--------------|-----------|
| (M\$)   | Production    | Renewables<br>& Power | Chemicals  | Services       | Corporato | intoroompany |           |
| Non-Group sales   | 9,889         | 17,236                | 92,025     | 90,206         | 7         | -            | 209,363   |
| Intersegment sales  | 30,337        | 2,198                 | 35,462     | 979            | 64        | (69,040)     | -         |
| Excise taxes  | -             | -                     | (3,359)    | (21,898)       | -         | -            | (25,257)  |
| Revenues from sales   | 40,226        | 19,434                | 124,128    | 69,287         | 71        | (69,040)     | 184,106   |
| Operating expenses  | (17,532)      | (17,679)              | (120,393)  | (66,737)       | (796)     | 69,040       | (154,097) |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (10,192)      | (1,827)               | (1,222)    | (709)          | (42)      | -            | (13,992)  |
| Operating income  | 12,502        | (72)                  | 2,513      | 1,841          | (767)     | -            | 16,017    |
| Net income (loss) from equity affiliates and other items                        | 1,365         | 1,639                 | 782        | 307            | 77        | -            | 4,170     |
| Tax on net operating income   | (5,770)       | (471)                 | (445)      | (532)          | 375       | -            | (6,843)   |
| Net operating income  | 8,097         | 1,096                 | 2,850      | 1,616          | (315)     | -            | 13,344    |
| Net cost of net debt  |               |                       |            |                |           |              | (1,794)   |
| Non-controlling interests   |               |                       |            |                |           |              | (104)     |
| Not income group chara  |               |                       |            |                |           |              | 11 116    |

Net income - group share 11,446

| For the year ended December 31, 2018 (adjustments) <sup>(a)</sup>               | Exploration & | Integrated<br>Gas,    | Refining<br>& | Marketing<br>& | Corporate  | Intercompany | Total   |
|---|---------------|-----------------------|---------------|----------------|------------|--------------|---------|
| (M\$)   | Production    | Renewables<br>& Power | Chemicals     | Services       | ос. ролиго |              |         |
| Non-Group sales   | -             | 56                    | -             | -              | -          | -            | 56      |
| Intersegment sales  | -             | -                     | -             | -              | -          | -            | -       |
| Excise taxes  | -             | -                     | -             | -              | -          | -            | -       |
| Revenues from sales   | -             | 56                    | -             | -              | -          | -            | 56      |
| Operating expenses  | (199)         | (237)                 | (616)         | (45)           | (9)        | -            | (1,106) |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (707)         | (1,065)               | (2)           | -              | -          | -            | (1,774) |
| Operating income <sup>(b)</sup>   | (906)         | (1,246)               | (618)         | (45)           | (9)        | -            | (2,824) |
| Net income (loss) from equity affiliates and other items                        | (128)         | (247)                 | (116)         | (5)            | -          | -            | (496)   |
| Tax on net operating income   | 584           | 170                   | 205           | 14             | -          | -            | 973     |
| Net operating income <sup>(b)</sup>   | (450)         | (1,323)               | (529)         | (36)           | (9)        | -            | (2,347) |
| Net cost of net debt  |               |                       |               |                |            |              | (67)    |
| Non-controlling interests   |               |                       |               |                |            |              | 301     |
| Net income - group share  |               |                       |               |                |            |              | (2,113) |

<sup>(</sup>a) Adjustments include special items, inventory valuation effect and the effect of changes in fair value.

(b) Of which inventory valuation effect

On operating income - - (589) (6) - On net operating income - (413) (5) -

| For the year ended December 31, 2018 (adjusted)                                 | Exploration & | Integrated<br>Gas,    | Refining & | Marketing & | Corporate | Intercompany | Total     |
|---|---------------|-----------------------|------------|-------------|-----------|--------------|-----------|
| (M\$)   | Production    | Renewables<br>& Power | Chemicals  | Services    | Corporato | microompany  | · Otal    |
| Non-Group sales   | 9,889         | 17,180                | 92,025     | 90,206      | 7         | -            | 209,307   |
| Intersegment sales  | 30,337        | 2,198                 | 35,462     | 979         | 64        | (69,040)     | -         |
| Excise taxes  | -             | -                     | (3,359)    | (21,898)    | -         | -            | (25,257)  |
| Revenues from sales   | 40,226        | 19,378                | 124,128    | 69,287      | 71        | (69,040)     | 184,050   |
| Operating expenses  | (17,333)      | (17,442)              | (119,777)  | (66,692)    | (787)     | 69,040       | (152,991) |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (9,485)       | (762)                 | (1,220)    | (709)       | (42)      | -            | (12,218)  |
| Adjusted operating income   | 13,408        | 1,174                 | 3,131      | 1,886       | (758)     | -            | 18,841    |
| Net income (loss) from equity affiliates and other items                        | 1,493         | 1,886                 | 898        | 312         | 77        | -            | 4,666     |
| Tax on net operating income   | (6,354)       | (641)                 | (650)      | (546)       | 375       | -            | (7,816)   |
| Adjusted net operating income   | 8,547         | 2,419                 | 3,379      | 1,652       | (306)     | -            | 15,691    |
| Net cost of net debt  |               |                       |            |             |           |              | (1,727)   |
| Non-controlling interests   |               |                       |            |             |           |              | (405)     |
| Adjusted not income - group share   |               |                       |            |             |           |              | 13 550    |

Adjusted net income - group share

13,559

| For the year ended December 31, 2018                  | Exploration & | Integrated<br>Gas,<br>Renewables | Refining<br>& | Marketing<br>& | Corporate | Intercompany | Total    |
|---|---------------|----------------------------------|---------------|----------------|-----------|--------------|----------|
| (M\$)   | Production    | & Power                          | Chemicals     | Services       |           |              |          |
| Total expenditures                                    | 13,789        | 5,032                            | 1,781         | 1,458          | 125       |              | 22,185   |
| Total divestments                                     | 3,674         | 2,209                            | 919           | 428            | 9         |              | 7,239    |
| Cash flow from operating activities                   | 18,537        | 596                              | 4,308         | 2,759          | (1,497)   |              | 24,703   |
| Balance sheet as of December 31, 2018                 |               |                                  |               |                |           |              |          |
| Property, plant and equipment, intangible assets, net | 100,997       | 24,023                           | 10,493        | 6,343          | 390       |              | 142,246  |
| Investments & loans in equity affiliates              | 6,754         | 12,349                           | 3,910         | 431            | -         |              | 23,444   |
| Other non-current assets                              | 4,780         | 3,114                            | 663           | 1,155          | 881       |              | 10,593   |
| Working capital                                       | 1,911         | 420                              | 32            | 194            | (4,064)   |              | (1,507)  |
| Provisions and other non-current liabilities          | (25,042)      | (6,288)                          | (3,615)       | (1,465)        | 125       |              | (36,285) |
| Assets and liabilities classified as held for sale    | -             | 1,128                            | 151           | -              | -         |              | 1,279    |
| Capital Employed (Balance sheet)                      | 89,400        | 34,746                           | 11,634        | 6,658          | (2,668)   |              | 139,770  |
| Less inventory valuation effect                       | -             | -                                | (1,035)       | (216)          | -         |              | (1,251)  |
| Capital Employed (Business segment information)       | 89,400        | 34,746                           | 10,599        | 6,442          | (2,668)   |              | 138,519  |
| ROACE as a percentage                                 | 10%           | 7%                               | 31%           | 25%            |           |              | 12%      |

# B) Reconciliation of the information by business segment with Consolidated Financial Statements

The table below presents the impact of adjustment items on the consolidated statement of income:

| For the year anded December 24, 2020  |          |                            | Consolidated statement of |
|---|----------|----------------------------|---------------------------|
| For the year ended December 31, 2020 (M\$)                                      | Adjusted | Adjustments <sup>(a)</sup> | income                    |
| Sales   | 140,665  | 20                         | 140,685                   |
| Excise taxes  | (20,981) | -                          | (20,981)                  |
| Revenues from sales   | 119,684  | 20                         | 119,704                   |
| Purchases, net of inventory variation   | (75,672) | (1,814)                    | (77,486)                  |
| Other operating expenses  | (24,850) | (688)                      | (25,538)                  |
| Exploration costs   | (731)    | -                          | (731)                     |
| Depreciation, depletion and impairment of tangible assets and mineral interests | (13,312) | (8,952)                    | (22,264)                  |
| Other income  | 1,405    | 832                        | 2,237                     |
| Other expense   | (689)    | (817)                      | (1,506)                   |
| Financial interest on debt  | (2,140)  | (7)                        | (2,147)                   |
| Financial income and expense from cash & cash equivalents                       | 68       | (31)                       | 37                        |
| Cost of net debt  | (2,072)  | (38)                       | (2,110)                   |
| Other financial income  | 914      | -                          | 914                       |
| Other financial expense   | (689)    | (1)                        | (690)                     |
| Net income (loss) from equity affiliates  | 1,388    | (936)                      | 452                       |
| Income taxes  | (1,309)  | 991                        | (318)                     |
| Consolidated net income   | 4,067    | (11,403)                   | (7,336)                   |
| Group share   | 4,059    | (11,301)                   | (7,242)                   |
| Non-controlling interests   | 8        | (102)                      | (94)                      |

<sup>(</sup>a) Adjustments include special items, inventory valuation effect and the effect of changes in fair value.

|   |   |   | statement of  |
|---|---|---|---|
| For the year ended December 31, 2019 (M\$)  | Adjusted  | Adjustments <sup>(a)</sup>  | income  |
| Sales   | 200,380   | (64)  | 200,316   |
| Excise taxes  | (24,067)  | -   | (24,067)  |
| Revenues from sales   | 176,313   | (64)  | 176,249   |
| Purchases, net of inventory variation   | (116,464)   | 243   | (116,221)   |
| Other operating expenses  | (26,872)  | (383)   | (27,255)  |
| Exploration costs   | (785)   | -   | (785  |
| Depreciation, depletion and impairment of tangible assets and mineral interests   | (14,811)  | (920)   | (15,731   |
| Other income  | 876   | 287   | 1,163   |
| Other expense   | (455)   | (737)   | (1,192  |
| Financial interest on debt  | (2,318)   | (15)  | (2,333  |
| Financial income and expense from cash & cash equivalents   | (19)  | -   | (19)  |
| Cost of net debt  | (2,337)   | (15)  | (2,352)   |
| Other financial income  | 792   | -   | 792   |
| Other financial expense   | (764)   | -   | (764)   |
| Net income (loss) from equity affiliates  | 2,260   | 1,146   | 3,406   |
| Income taxes  | (5,663)   | (209)   | (5,872)   |
| Consolidated net income   | 12,090  | (652)   | 11,438  |
| Group share   | 11,828  | (561)   | 11,267  |
| Non-controlling interests   | 262   | (91)  | 171   |
|   |   |   |   |
| For the year ended December 31, 2018  |   |   | Consolidated  |
|   | Adjusted  | Adjustments <sup>(a)</sup>  | Consolidated statement of income  |
| For the year ended December 31, 2018 (M\$) Sales  | Adjusted 209.307  | Adjustments <sup>(a)</sup>  | statement of income   |
| (M\$)<br>Sales  | 209,307   | Adjustments <sup>(a)</sup> 56   | statement of<br>income<br>209,363   |
| · · · · · · · · · · · · · · · · · · ·   |   |   | statement of<br>income<br>209,363   |
| (M\$) Sales Excise taxes Revenues from sales  | <b>209,307</b> (25,257) 184,050   | 56<br>-   | statement of income 209,363 (25,257) 184,106  |
| (M\$)  Sales  Excise taxes Revenues from sales  Purchases, net of inventory variation   | 209,307<br>(25,257)<br>184,050<br>(125,134)   | <b>56</b> - 56 (682)  | statement or income 209,363 (25,257 184,106   |
| (M\$) Sales Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses  | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)   | <b>56</b><br>-<br>56  | \$tatement of income  209,363 (25,257 184,106  (125,816 (27,484)  |
| (M\$)  Sales  Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs  | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)  | <b>56</b> - 56 (682)  | \$tatement of income  209,363 (25,257 184,106 (125,816 (27,484) (797)   |
| (M\$)  Sales  Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses  Exploration costs  Depreciation, depletion and impairment of tangible assets and mineral interests  | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)  | 56<br>-<br>56<br>(682)<br>(424)   | \$tatement of income  209,363 (25,257 184,106  (125,816 (27,484 (797) (13,992)  |
| (M\$)  Sales  Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses  Exploration costs  Depreciation, depletion and impairment of tangible assets and mineral interests Other income   | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)  | 56<br>-<br>56<br>(682)<br>(424)<br>-<br>(1,774)                         | \$tatement of income  209,363 (25,257 184,106  (125,816 (27,484 (797 (13,992 1,838  |
| Sales Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs Depreciation, depletion and impairment of tangible assets and mineral interests Other income Other expense   | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)<br>1,518   | 56<br>-<br>56<br>(682)<br>(424)<br>-<br>(1,774)<br>320                  | \$tatement of income  209,363 (25,257) 184,106 (125,816) (27,484) (797) (13,992) 1,838 (1,273)  |
| Sales Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs Depreciation, depletion and impairment of tangible assets and mineral interests Other income Other expense  Financial interest on debt   | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)<br>1,518<br>(448)  | 56<br>-<br>56<br>(682)<br>(424)<br>-<br>(1,774)<br>320<br>(825)         | \$tatement of income  209,363 (25,257) 184,106 (125,816) (27,484) (797) (13,992) 1,838 (1,273) (1,933)  |
| Sales Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs Depreciation, depletion and impairment of tangible assets and mineral interests Other income Other expense  Financial interest on debt   | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)<br>1,518<br>(448)<br>(1,866)   | 56<br>-<br>56<br>(682)<br>(424)<br>-<br>(1,774)<br>320<br>(825)         | \$tatement of income  209,363 (25,257) 184,106 (125,816) (27,484) (797) (13,992) 1,838 (1,273) (1,933) (188)  |
| (M\$)  Sales  Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs Depreciation, depletion and impairment of tangible assets and mineral interests Other income Other expense  Financial interest on debt Financial income and expense from cash & cash equivalents Cost of net debt  | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)<br>1,518<br>(448)<br>(1,866)<br>(188)  | 56<br>-<br>56<br>(682)<br>(424)<br>-<br>(1,774)<br>320<br>(825)<br>(67) | \$\text{statement of income} \text{income} \text{209,363} \\ (25,257) \\ 184,106 \\ (125,816) \\ (27,484) \\ (797) \\ (13,992) \\ 1,838 \\ (1,273) \\ (1,933) \\ (188) \\ (2,121) \end{array} |
| (M\$)  Sales  Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs Depreciation, depletion and impairment of tangible assets and mineral interests Other income Other expense  Financial interest on debt Financial income and expense from cash & cash equivalents   | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)<br>1,518<br>(448)<br>(1,866)<br>(188)<br>(2,054)   | 56<br>-<br>56<br>(682)<br>(424)<br>-<br>(1,774)<br>320<br>(825)<br>(67) | statement of income 209,363 (25,257)  |
| (M\$)  Sales  Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs Depreciation, depletion and impairment of tangible assets and mineral interests Other income Other expense  Financial interest on debt Financial income and expense from cash & cash equivalents Cost of net debt  Other financial income  | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)<br>1,518<br>(448)<br>(1,866)<br>(188)<br>(2,054)   | 56<br>-<br>56<br>(682)<br>(424)<br>-<br>(1,774)<br>320<br>(825)<br>(67) | statement of income  209,363 (25,257) 184,106 (125,816) (27,484) (797) (13,992) 1,838 (1,273) (1,933) (188) (2,121)   |
| (M\$)  Sales  Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs Depreciation, depletion and impairment of tangible assets and mineral interests Other income Other expense  Financial interest on debt Financial income and expense from cash & cash equivalents Cost of net debt  Other financial income Other financial expense  | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)<br>1,518<br>(448)<br>(1,866)<br>(188)<br>(2,054)<br>1,120<br>(685)<br>3,161<br>(7,489)           | 56 - 56 - (682) (424) - (1,774) 320 (825) (67) - (67) - 9 973           | statement of income 209,363 (25,257) 184,106 (125,816) (27,484) (797) (13,992) 1,838 (1,273) (1,933) (188) (2,121) 1,120 (685) 3,170 (6,516)  |
| Sales Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs Depreciation, depletion and impairment of tangible assets and mineral interests Other income Other expense  Financial interest on debt Financial income and expense from cash & cash equivalents Cost of net debt  Other financial income Other financial expense  Net income (loss) from equity affiliates              | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)<br>1,518<br>(448)<br>(1,866)<br>(188)<br>(2,054)<br>1,120<br>(685)<br>3,161<br>(7,489)<br>13,964 | 56 - 56 (682) (424) - (1,774) 320 (825) (67) - (67) - 9 973 (2,414)     | \$tatement of income  209,363 (25,257) 184,106 (125,816) (27,484) (797) (13,992) 1,838 (1,273) (1,933) (188) (2,121) 1,120 (685) 3,170 (6,516) 11,550   |
| Sales Excise taxes Revenues from sales  Purchases, net of inventory variation Other operating expenses Exploration costs Depreciation, depletion and impairment of tangible assets and mineral interests Other income Other expense  Financial interest on debt Financial income and expense from cash & cash equivalents Cost of net debt  Other financial income Other financial expense  Net income (loss) from equity affiliates Income taxes | 209,307<br>(25,257)<br>184,050<br>(125,134)<br>(27,060)<br>(797)<br>(12,218)<br>1,518<br>(448)<br>(1,866)<br>(188)<br>(2,054)<br>1,120<br>(685)<br>3,161<br>(7,489)           | 56 - 56 - (682) (424) - (1,774) 320 (825) (67) - (67) - 9 973           | \$tatement of income  209,363 (25,257) 184,106 (125,816) (27,484) (797) (13,992) 1,838 (1,273) (1,933) (188) (2,121) 1,120 (685) 3,170  |

Non-controlling interests

(a) Adjustments include special items, inventory valuation effect and the effect of changes in fair value.

Consolidated

(301)

104

405

# C) Additional information on adjustment items

The main adjustment items for 2020 consist of the "Asset impairment charges" of the non-current assets amounting to \$(8,952) million in operating income and \$(8,465) million in net income Group share. Impairment testing methodology and asset impairment charges recorded during the year are detailed in the paragraph D of Note 3.

# Adjustments to operating income

| For the year ended December 31, 2020 |               | Integrated         |            |             |           |          |
|--------------------------------------|---------------|--------------------|------------|-------------|-----------|----------|
| (M\$)                                | Exploration 8 | Gas,<br>Renewables | Refining & | Marketing & |           |          |
|                                      | Production    | & Power            | Chemicals  | Services    | Corporate | Total    |
| Inventory valuation effect           | t -           | -                  | (1,244)    | (196)       | -         | (1,440)  |
| Effect of changes in fair value      | e -           | 20                 | -          | -           | -         | 20       |
| Restructuring charges                | (35)          | (39)               | (30)       | -           | -         | (104)    |
| Asset impairment charges             | (7,693)       | (953)              | (306)      | -           | -         | (8,952)  |
| Other items                          | (102)         | (384)              | (278)      | (134)       | (60)      | (958)    |
| Total                                | (7,830)       | (1,356)            | (1,858)    | (330)       | (60)      | (11,434) |

# Adjustments to net income, Group share

| For the year ended December 31, 2020  |             | Integrated |              |          |           |          |
|---------------------------------------|-------------|------------|--------------|----------|-----------|----------|
| •                                     | Exploration | ,          |              |          |           |          |
| (M\$)                                 |             |            | Refining & I | •        |           |          |
|                                       | Production  | & Power    | Chemicals    | Services | Corporate | Total    |
| Inventory valuation effect            | -           | -          | (1,160)      | (120)    | -         | (1,280)  |
| Effect of changes in fair value       | -           | 23         | -            | -        | -         | 23       |
| Restructuring charges                 | (29)        | (43)       | (292)        | -        | -         | (364)    |
| Asset impairment charges              | (7,328)     | (829)      | (306)        | (2)      | -         | (8,465)  |
| Gains (losses) on disposals of assets | -           | -          | -            | -        | 104       | 104      |
| Other items                           | -           | (566)      | (423)        | (106)    | (224)     | (1,319)  |
| Total                                 | (7,357)     | (1,415)    | (2,181)      | (228)    | (120)     | (11,301) |

# Adjustments to operating income

| For the year ended December 31, 2019 |             | Integrated |              |             |           |         |
|--------------------------------------|-------------|------------|--------------|-------------|-----------|---------|
| , ,                                  | Exploration | Gas,       |              |             |           |         |
| (M\$)                                | &           | Renewables | Refining & M | Marketing & |           |         |
|                                      | Production  | & Power    | Chemicals    | Services    | Corporate | Total   |
| Inventory valuation effect           | t -         | -          | 477          | (31)        | -         | 446     |
| Effect of changes in fair value      | -           | (19)       | -            | -           | -         | (19)    |
| Restructuring charges                | -           | (4)        | -            | -           | -         | (4)     |
| Asset impairment charges             | (721)       | (156)      | (41)         | (2)         | -         | (920)   |
| Other items                          | (145)       | (281)      | (80)         | (9)         | (112)     | (627)   |
| Total                                | (866)       | (460)      | 356          | (42)        | (112)     | (1,124) |

# Adjustments to net income, Group share

| For the year ended December 31, 2019  |                | Integrated |                        |          |           |       |
|---------------------------------------|----------------|------------|------------------------|----------|-----------|-------|
| · · · · · · · · · · · · · · · · · · · | Exploration    | Ğas,       |                        |          |           |       |
| (M\$)                                 | & Renewables R |            | Refining & Marketing & |          |           |       |
|                                       | Production     | & Power    | Chemicals              | Services | Corporate | Total |
| Inventory valuation effect            | t -            | -          | 369                    | (23)     | -         | 346   |
| Effect of changes in fair value       | -              | (15)       | -                      | -        | -         | (15)  |
| Restructuring charges                 | (5)            | (31)       | (22)                   | -        | -         | (58)  |
| Asset impairment charges              | (530)          | 105        | (39)                   | (1)      | -         | (465) |
| Gains (losses) on disposals of assets | -              | -          | -                      | -        | -         | -     |
| Other items                           | (405)          | 422        | (119)                  | (82)     | (185)     | (369) |
| Total                                 | (940)          | 481        | 189                    | (106)    | (185)     | (561) |

#### Adjustments to operating income

| For the year ended December 31, 2018 |             | Integrated |              |             |           |         |
|--------------------------------------|-------------|------------|--------------|-------------|-----------|---------|
| •                                    | Exploration | Gas,       |              |             |           |         |
| (M\$)                                | &           | Renewables | Refining & I | Marketing & |           |         |
|                                      | Production  | & Power    | Chemicals    | Services    | Corporate | Total   |
| Inventory valuation effect           | -           | -          | (589)        | (6)         | -         | (595)   |
| Effect of changes in fair value      | -           | 48         | -            | -           | -         | 48      |
| Restructuring charges                | (67)        | -          | (3)          | -           | -         | (70)    |
| Asset impairment charges             | (707)       | (1,065)    | (2)          | -           | -         | (1,774) |
| Other items                          | (132)       | (229)      | (24)         | (39)        | (9)       | (433)   |
| Total                                | (906)       | (1,246)    | (618)        | (45)        | (9)       | (2,824) |

#### Adjustments to net income, Group share

| For the year ended December 31, 2018  |                | Integrated |                        |          |           |         |
|---------------------------------------|----------------|------------|------------------------|----------|-----------|---------|
| •                                     | Exploration    | Gas,       |                        |          |           |         |
| (M\$)                                 | & Renewables F |            | Refining & Marketing & |          |           |         |
|                                       | Production     | & Power    | Chemicals              | Services | Corporate | Total   |
| Inventory valuation effect            | -              | -          | (414)                  | (6)      | -         | (420)   |
| Effect of changes in fair value       | -              | 38         | -                      | -        | -         | 38      |
| Restructuring charges                 | (94)           | (10)       | (34)                   | -        | -         | (138)   |
| Asset impairment charges              | (651)          | (896)      | (48)                   | -        | -         | (1,595) |
| Gains (losses) on disposals of assets | (14)           | (2)        | -                      | -        | -         | (16)    |
| Other items                           | 252            | (112)      | (34)                   | (47)     | (41)      | 18      |
| Total                                 | (507)          | (982)      | (530)                  | (53)     | (41)      | (2,113) |

# D) Asset impairment

#### **Accounting principles**

The recoverable amounts of intangible assets and property, plant and equipment are tested for impairment as soon as any indication of impairment exists. This test is performed at least annually for goodwill.

The recoverable amount is the higher of the fair value (less costs to sell) or the value in use.

Assets are grouped into cash-generating units (or CGUs) and tested. A CGU is a homogeneous set of assets that generates cash inflows that are largely independent of the cash inflows from other groups of assets.

The value in use of a CGU is determined by reference to the discounted expected future cash flows of these assets, based upon Management's expectation of future economic and operating conditions. When this value is less than the carrying amount of the CGU, an impairment loss is recorded. This loss is allocated first to goodwill with a corresponding amount in "Other expenses". Any further losses are then allocated to property, plant and mineral interests with a corresponding amount in "Depreciation, depletion and impairment of tangible assets and mineral interests" and to other intangible assets with a corresponding amount in "Other expenses".

Impairment losses recognized in prior periods can be reversed up to the original carrying amount, had the impairment loss not been recognized. Impairment losses recognized on goodwill cannot be reversed.

Investments in associates or joint ventures are tested for impairment whenever indication of impairment exists. If any objective evidence of impairment exists, the carrying amount of the investment is compared with its recoverable amount, being the higher of its fair value less costs to sell and value in use. If the carrying amount exceeds the recoverable amount, an impairment loss is recorded in "Net income (loss) from equity affiliates".

For the financial year 2020, asset impairments were recorded for an amount of \$(8,952) million in operating income and \$(8,465) million in net income, Group share. These impairments were qualified as adjustment items of the operating income and net income, Group share.

Impairments relate to certain cash-generating units (CGUs) for which indicators of impairment have been identified, due to changes in operating conditions or the economic environment of the activities concerned.

The principles applied are as follows:

- The future cash flows were determined using the assumptions included in the 2021 budget and in the long-term plan of the Group approved by the Group Executive Committee and the Board of Directors. These

assumptions, in particular including operational costs, estimation of oil and gas reserves, future volumes produced and marketed, represent the best estimate from the Group management of economic and technical conditions over the remaining life of the assets;

The Group, notably relying on data on global energy demand from the "World Energy Outlook" issued by the IEA since 2016, and on its own supply assessments, determines oil & gas prices scenarios based on assumptions about the evolution of core indicators of the Upstream activity (demand for oil & gas products in different markets, investment forecasts, decline in production fields, changes in oil & gas reserves and supply by area and by nature of oil & gas products), of the Downstream activity (changes in refining capacity and demand for petroleum products) and by integrating climate challenges.

These price scenarios, first prepared within the Strategy and Climate Division, are also reviewed with the Group segments which bring their own expertise. They also integrate studies issued by international agencies, banks and independent consultants. They are then approved by the Executive Committee and the Board of directors.

- The IEA 2020 World Energy Outlook anticipates four scenarios among which the STEPS (Stated Policies Scenario) for the short/mid term and the SDS (Sustainable Development Scenario) for the mid/long term are important references for the Group.
- The STEPS takes into account the measures already implemented by countries in the energy area as well as the effects of the policies announced by Governments (including the Nationally Determined Contributions NDCs of the Paris Agreement). The SDS takes into account necessary measures to achieve a temperature rise of less than 2°C compared to pre-industrial levels, and the energy-related goals set in the "2030 Agenda for Sustainable Development" adopted in 2015 by the UN members. The Group therefore establishes its long-term price trajectory in line with the IEA's SDS scenario, which is compatible with the Paris Agreement, and foresees oil prices converging towards \$50<sub>2020</sub> per barrel by 2040.

The oil and gas price trajectories adopted by the Group are based on the following assumptions:

- Following the deep recession caused by the health crisis in 2020, which strongly impacts the oil demand in 2020 and 2021 before reverting to a pre-crisis level, the oil demand should continue to grow until 2030, in a context of sustained growth in global energy demand, due to population growth and improved living standards, and despite the gradual electrification of transport and efficiency gains in thermal engines.

The Group thus selected the following profile of the Brent price to determine the recoverable value of CGUs: \$40/b in 2021, \$50/b in 2022, \$60/b in 2023.

For the longer term, the Group maintains its analysis, that the weakness of investments in the Oil & Gas upstream since 2015, accentuated by the health and economic crisis of 2020, will result by 2025 in insufficient worldwide production capacities and a rebound in prices, that would then reach \$70/b and remain stable for the following five years. Beyond 2030, given technological developments, particularly in the transport sector, the Group anticipates oil demand will have reached its peak and Brent prices should tend toward the long-term price of \$50/b in 2040, in line with the IEA's SDS scenario.

The average Brent prices over the period 2020-2050 thus stands at \$57<sub>2020</sub>/b.

- Natural gas demand would for its part be driven by gas substitution for coal in power generation and by its role as an alternative source to mitigate the intermittent use of renewable energies. The abundant global supply and the growth of liquefied natural gas would, however, limit the potential for higher gas prices.
  - In this context, the gas price level selected to determine the recoverable value of CGUs stabilizes from 2025 around \$6.3<sub>2020</sub>/MBTU for the NBP price (Europe) and \$2.7<sub>2020</sub>/MBTU for the Henry Hub price (United States).
- The future operational costs were determined by taking into account the existing technologies, the fluctuation of prices for petroleum services in line with market developments and the internal cost reduction programs effectively implemented;
- The future cash flows are estimated over a period consistent with the life of the assets of the CGUs. They are prepared post-tax and take into account specific risks related to the CGUs' assets. They are discounted using a 7% post-tax discount rate, this rate being the weighted-average cost of the Group capital estimated from historical market data. This rate was 7% in 2019 and 2018. The value in use calculated by discounting the above post-tax cash flows using a 7% post-tax discount rate is not materially different from the value in use calculated by discounting pre-tax cash flows using a pre-tax discount rate determined by an iterative computation from the post-tax value in use. These pre-tax discount rates generally ranged from 7% to 14% in 2020.

The CGUs of the Exploration & Production segment are defined as oil and gas fields or groups of oil and gas fields with industrial assets enabling the production, treatment and evacuation of the oil and gas. For the financial year 2020, impairments of assets were recognized over CGUs of the Exploration & Production segment for an impact of \$(2,233) million in operating income and \$(1,854) million in net income, Group share. Impairments recognized in 2020 mainly relate to Canadian oil sands assets.

The CGUs of the Integrated Gas, Renewables & Power segment are subsidiaries or groups of subsidiaries organized by activity or geographical area, and by fields or groups of fields for upstream LNG activities. For the financial year 2020, the Group recorded impairments on CGUs in the Integrated Gas, Renewables & Power segment for \$(953) million in operating income and \$(829) million in net income, Group share. Impairments recognized relate to LNG assets located in Australia.

The CGUs of the Refining & Chemicals segment are defined as legal entities with operational activities for refining and petrochemicals activities. Future cash flows are based on the gross contribution margin (calculated on the basis of net sales after purchases of crude oil and refined products, the effect of inventory valuation and variable costs). The other activities of the segment are global divisions, each division gathering a set of businesses or homogeneous products for strategic, commercial and industrial plans. Future cash flows are determined from the specific margins of these activities, unrelated to the price of oil. For the financial year 2020, the Group recorded impairments on CGUs in the Refining & Chemicals segment for \$(306) million in operating income and \$(306) million in net income, Group share. Impairments recognized mainly relate to refining CGUs located in France and the United Kingdom.

The CGUs of the Marketing & Services segment are subsidiaries or groups of subsidiaries organized by geographical area. For the financial year 2020, no impairment has been recorded for the CGUs of the Marketing & Services segment in operating income and impairments with a non-material impact have been recorded in net income, Group share.

In addition, in line with its new Climate Ambition announced on May 5, 2020, which aims at carbon neutrality, the Group has reviewed its oil assets that can be qualified as *stranded*, meaning with reserves beyond 20 years and high production costs, whose overall reserves may therefore not be produced by 2050. The only projects identified in this category are the Canadian oil sands projects of Fort Hills and Surmont.

For impairment calculations, the Group has decided to take into account only proven reserves on these two assets – unlike general practice which considers so-called proven and probable reserves. This leads to an additional exceptional asset impairment of \$(5,460) million in operating income and \$(5,474) million in net income, Group share.

Overall, asset impairments were recorded for the financial year 2020, for an amount of \$(8,952) million in operating income and \$(8,465) million in net income, Group share, including \$(6,988) million on Canadian oil sands assets alone.

These impairments were qualified as adjustment items of the operating income and net income, Group share.

As for sensitivities of Exploration & Production segment:

- a decrease by one point in the discount rate would have an impact close to zero in operating income and in net income, Group share;
- an increase by one point in the discount rate would have an additional negative impact of approximately \$0.4 billion in operating income and in net income, Group share;
- a variation of (10) % of the oil and gas prices over the duration of the plan would have an additional negative impact of approximately \$1.9 billion in operating income and \$1.6 billion in net income, Group share.

The most sensitive assets would be the assets already impaired in 2020 or before (impact of approximately \$1.1 billion in operating income and \$0.9 billion in net income, Group share), notably assets in Canada.

As for sensitivities of upstream LNG activities and CGUs including a material goodwill:

- a decrease by one point in the discount rate would have an impact close to zero in operating income and in net income, Group share;
- an increase by one point in the discount rate would have an additional negative impact of approximately \$1.1 billion in operating income and \$1.0 billion in net income, Group share;
- a variation of (10) % of the oil and gas prices over the duration of the plan would have an additional negative impact of approximately \$1.5 billion in operating income and \$1.2 billion in net income, Group share.

The most sensitive assets would be the assets already impaired in 2020 or before (impact of approximately \$1.5 billion in operating income and \$1.2 billion in net income, Group share), notably assets in Australia.

For the financial year 2019, the Group recorded impairments in Exploration & Production, Integrated Gas, Renewables & Power, Refining & Chemicals and Marketing & Services segments for an amount of \$(920) million in operating income and \$(465) million in net income, Group share. These impairments were qualified as adjustments items of the operating income and net income, Group share.

For the financial year 2018, the Group recorded impairments in Exploration & Production, Integrated Gas, Renewables & Power and Refining & Chemicals segments for an amount of \$(1,774) million in operating income and \$(1,595) million in net income, Group share. These impairments were qualified as adjustment items of the operating income and net income, Group share.

# 4) Segment Information by geographical area

|   |        | Rest of | North   |        | Rest of   |         |
|---|--------|---------|---------|--------|-----------|---------|
| (M\$)   | France | Europe  | America | Africa | the world | Total   |
| For the year ended December 31, 2020                  |        |         |         |        |           |         |
| Non-Group sales                                       | 32,748 | 67,292  | 13,258  | 16,011 | 11,376    | 140,685 |
| Property, plant and equipment, intangible assets, net | 14,555 | 30,932  | 11,891  | 43,087 | 41,398    | 141,863 |
| Capital expenditures                                  | 2,044  | 3,165   | 899     | 3,816  | 5,610     | 15,534  |
| For the year ended December 31, 2019                  |        |         |         |        |           |         |
| Non-Group sales                                       | 43,877 | 99,176  | 19,946  | 21,303 | 16,014    | 200,316 |
| Property, plant and equipment, intangible assets, net | 13,212 | 28,765  | 18,916  | 45,573 | 43,120    | 149,586 |
| Capital expenditures                                  | 1,979  | 3,201   | 1,748   | 7,663  | 4,646     | 19,237  |
| For the year ended December 31, 2018                  |        |         |         |        |           |         |
| Non-Group sales                                       | 47,716 | 99,465  | 22,243  | 22,263 | 17,676    | 209,363 |
| Property, plant and equipment, intangible assets, net | 12,561 | 25,262  | 18,903  | 43,359 | 42,161    | 142,246 |
| Capital expenditures                                  | 4,502  | 2,609   | 2,014   | 4,838  | 8,222     | 22,185  |

# 5) Main items related to operating activities

# Items related to the statement of income

# 5.1) Net sales

#### **Accounting policies**

IFRS 15 requires identification of the performance obligations for the transfer of goods and services in each contract with customers. Revenue is recognized upon satisfaction of the performance obligations for the amounts that reflect the consideration to which the Group expects to be entitled in exchange for those goods and services.

# Sales of goods

Revenues from sales are recognized when the control has been transferred to the buyer and the amount can be reasonably measured. Revenues from sales of crude oil and natural gas are recorded upon transfer of title, according to the terms of the sales contracts.

Revenues from the production of crude oil and natural gas properties, in which the Group has an interest with other producers, are recognized based on actual entitlement volumes sold over the period. Any difference between entitlement volumes and volumes sold, based on the Group net working interest, are recognized in the "Under-lifting" and "Over-lifting" accounts in the balance sheet and in operating expenses in the profit and loss.

Quantities delivered that represent production royalties and taxes, when paid in cash, are included in oil and gas revenues, except for the United States and Canada.

Certain transactions within the trading activities (contracts involving quantities that are purchased from third parties then resold to third parties) are shown at their net value in purchases, net of inventory variation. These transactions relate in particular to crude oil, petroleum products, gas, power and LNG.

Exchanges of crude oil and petroleum products realized within trading activities are shown at their net value in both the statement of income and the balance sheet.

#### Sales of services

Revenues from services are recognized when the services have been rendered.

Revenues from gas transport are recognized when services are rendered. These revenues are based on the quantities transported and measured according to procedures defined in each service contract.

Shipping revenues and expenses from time-charter activities are recognized on a pro rata basis over a period that commences upon the unloading of the previous voyage and terminates upon the unloading of the current voyage. Shipping revenue recognition starts only when a charter has been agreed to by both the Group and the customer.

Income related to the distribution of electricity and gas is not recognized in revenues in certain countries because the Group acts as an agent in this transaction. In these countries, the Group is not responsible for the delivery and does not set the price of the service, because it can only pass on to the customer the amounts invoiced to it by the distributors.

#### Excise taxes

Excise taxes are rights or taxes which amount is calculated based on the quantity of oil and gas products put on the market. Excise taxes are determined by the states. They are paid directly to the customs and tax authorities and then invoiced to final customers by being included in the sales price.

The analysis of the criteria set by IFRS 15 led the Group to determine that it was acting as principal in these transactions. Therefore, sales include excise taxes collected by the Group within the course of its oil distribution operations. Excise taxes are deducted from sales in order to obtain the "Revenues from sales" indicator.

# 5.2) Operating expenses and research and development

### **Accounting policies**

The Group applies IFRS 6 "Exploration for and Evaluation of Mineral Resources". Oil and gas exploration and production properties and assets are accounted for in accordance with the Successful Efforts method.

Geological and geophysical costs, including seismic surveys for exploration purposes are expensed as incurred in exploration costs.

Costs of dry wells and wells that have not found proved reserves are charged to expense in exploration costs.

# 5.2.1) Operating expenses

### For the year ended December 31,

| (M\$)   | 2020      | 2019      | 2018      |
|---|-----------|-----------|-----------|
| Purchases, net of inventory variation <sup>(a) (b)</sup>          | (77,486)  | (116,221) | (125,816) |
| Exploration costs   | (731)     | (785)     | (797)     |
| Other operating expenses <sup>(c)</sup>                           | (25,538)  | (27,255)  | (27,484)  |
| of which non-current operating liabilities (allowances) reversals | 778       | 1,152     | 1,068     |
| of which current operating liabilities (allowances) reversals     | (77)      | (157)     | (202)     |
| Operating expenses  | (103,755) | (144,261) | (154,097) |

<sup>(</sup>a) Includes taxes paid on oil and gas production in the Exploration & Production segment, amongst others royalties.

### 5.2.2) Research and development costs

#### **Accounting policies**

Research costs are charged to expense as incurred.

Development expenses are capitalized when the criteria of IAS38 are met.

Research and development costs incurred by the Group in 2020 and booked in operating expenses amount to \$895 million (\$968 million in 2019 and \$986 million in 2018), corresponding to 0.64% of the sales.

The staff dedicated in 2020 to these research and development activities are estimated at 4,088 people (4,339 in 2019 and 4,288 in 2018).

# 5.3) Amortization, depreciation and impairment of tangible assets and mineral interests

The amortization, depreciation and impairment of tangible assets and mineral interests are detailed as follows:

#### For the year ended December 31,

| (M\$)  | 2020     | 2019     | 2018     |
|--|----------|----------|----------|
| Depreciation and impairment of tangible assets | (21,188) | (14,640) | (13,364) |
| Amortization and impairment of mineral assets  | (1,076)  | (1,091)  | (628)    |
| Total  | (22,264) | (15,731) | (13,992) |

<sup>(</sup>b) The Group values under / over lifting at market value.

<sup>(</sup>c) Principally composed of production and administrative costs (see in particular the payroll costs as detailed in Note 10 to the Consolidated Financial Statements "Payroll, staff and employee benefits obligations").

#### Items related to balance sheet

### 5.4) Working capital

### 5.4.1) Inventories

### **Accounting policies**

Inventories are measured in the Consolidated Financial Statements at the lower of historical cost or market value. Costs for petroleum and petrochemical products are determined according to the FIFO (First-In, First-Out) method or weighted-average cost method and other inventories are measured using the weighted-average cost method.

In addition stocks held for trading are measured at fair value less cost to sell.

### Refining & Chemicals

Petroleum product inventories are mainly comprised of crude oil and refined products. Refined products principally consist of gasoline, distillate and fuel produced by the Group's refineries. The turnover of petroleum products does not exceed two months on average.

Crude oil costs include raw material and receiving costs. Refining costs principally include crude oil costs, production costs (energy, labor, depreciation of producing assets) and an allocation of production overheads (taxes, maintenance, insurance, etc.).

Costs of chemical product inventories consist of raw material costs, direct labor costs and an allocation of production overheads. Start-up costs, general administrative costs and financing costs are excluded from the costs of refined and chemicals products.

#### Marketing & Services

The costs of products refined by the Group's entities include mainly raw materials costs, production costs (energy, labor, depreciation of producing assets), primary costs of transport and an allocation of production overheads (taxes, maintenance, insurance, etc.).

General administrative costs and financing costs are excluded from the cost price of refined products.

Product inventories purchased from entities external to the Group are valued at their purchase cost plus primary costs of transport.

Carbon dioxide emission rights generated as part of the EU Emission Trading scheme (EU ETS)

In the absence of a current IFRS standard or interpretation on accounting for emission rights of carbon dioxide generated as part of the EU Emission Trading scheme (EU ETS), the following principles are applied:

- Emission rights are managed as a cost of production and as such are recognized in inventories:
  - Emission rights allocated for free are booked in inventories with a nil carrying amount;
  - Purchased emission rights are booked at acquisition cost;
  - Sales or annual surrender of emission rights result in decreases in inventories valued at weighted average cost;
  - If the carrying amount of inventories at closing date is higher than the market value, an impairment loss is recorded.
- At each closing, a provision is recorded in order to materialize the obligation to surrender emission rights related to the emissions of the period. This provision is calculated based on estimated emissions of the period, valued at weighted average cost of the inventories at the end of the period. It is reversed when the emission rights are surrendered:
- If emission rights to be surrendered at the end of the compliance period are higher than emission rights recorded in inventories, the shortage is accounted for as a liability at market value;
- Forward transactions are recognized at their fair market value in the balance sheet. Changes in the fair value of such forward transactions are recognized in the statement of income.

# Energy savings certificates

In the absence of current IFRS standards or interpretations on accounting for energy savings certificates (ESC), the following principles are applied:

- If the obligations linked to the sales of energy are greater than the number of ESC's held then a liability is recorded. These liabilities are valued based on the price of the last transactions;
- In the event that the number of ESC's held exceeds the obligation at the balance sheet date this is accounted for as inventory. Otherwise a valuation allowance is recorded;
- ESC inventories are valued at weighted average cost (acquisition cost for those ESC's acquired or cost incurred for those ESC's generated internally).

If the carrying value of the inventory of certificates at the balance sheet date is higher than the market value, an impairment loss is recorded.

| As of December 31, 2020   | Valuation   |           |           |  |
|---------------------------|-------------|-----------|-----------|--|
| (M\$)                     | Gross value | allowance | Net value |  |
| Crude oil and natural gas | 1,818       | (1)       | 1,817     |  |
| Refined products          | 3,913       | (68)      | 3,845     |  |
| Chemicals products        | 1,330       | (102)     | 1,228     |  |
| Trading inventories       | 5,130       | -         | 5,130     |  |
| Other inventories         | 3,824       | (1,114)   | 2,710     |  |
| Total                     | 16,015      | (1,285)   | 14,730    |  |

| As of December 31, 2019   | Valuation   |           |           |  |
|---------------------------|-------------|-----------|-----------|--|
| (M\$)                     | Gross value | allowance | Net value |  |
| Crude oil and natural gas | 2,381       | (14)      | 2,367     |  |
| Refined products          | 5,326       | (45)      | 5,281     |  |
| Chemicals products        | 1,448       | (91)      | 1,357     |  |
| Trading inventories       | 5,500       | -         | 5,500     |  |
| Other inventories         | 3,651       | (1,024)   | 2,627     |  |
| Total                     | 18,306      | (1,174)   | 17,132    |  |

| As of December 31, 2018   |             | Valuation |           |
|---------------------------|-------------|-----------|-----------|
| (M\$)                     | Gross value | allowance | Net value |
| Crude oil and natural gas | 2,382       | (110)     | 2,272     |
| Refined products          | 5,464       | (242)     | 5,222     |
| Chemicals products        | 1,087       | (54)      | 1,033     |
| Trading inventories       | 3,918       | -         | 3,918     |
| Other inventories         | 3,372       | (937)     | 2,435     |
| Total                     | 16,223      | (1,343)   | 14,880    |

Changes in the valuation allowance on inventories are as follows:

| For the year ended December 31, (M\$) | Valuation<br>allowance as of<br>January 1, | Increase (net) | Currency<br>translation<br>adjustment and<br>other variations | Valuation<br>allowance as of<br>December 31, |
|---------------------------------------|--|----------------|---|--|
| 2020                                  | (1,174)                                    | (85)           | (26)  | (1,285)                                      |
| 2019                                  | (1,343)                                    | 205            | (36)  | (1,174)                                      |
| 2018                                  | (1,007)                                    | (359)          | 23  | (1,343)                                      |

# 5.4.2) Accounts receivable and other current assets

### As of December 31, 2020

|                             | Valuation   |           |           |  |
|-----------------------------|-------------|-----------|-----------|--|
| (M\$)                       | Gross value | allowance | Net value |  |
| Accounts receivable         | 14,899      | (831)     | 14,068    |  |
| Recoverable taxes           | 3,598       | (67)      | 3,531     |  |
| Other operating receivables | 8,251       | (208)     | 8,043     |  |
| Prepaid expenses            | 1,801       | -         | 1,801     |  |
| Other current assets        | 53          | -         | 53        |  |
| Other current assets        | 13,703      | (275)     | 13,428    |  |

### As of December 31, 2019

| (M\$)                       | Gross value | valuation<br>allowance | Net value |  |
|-----------------------------|-------------|------------------------|-----------|--|
| Accounts receivable         | 19,162      | (674)                  | 18,488    |  |
| Recoverable taxes           | 4,209       | (95)                   | 4,114     |  |
| Other operating receivables | 11,746      | (240)                  | 11,506    |  |
| Prepaid expenses            | 1,336       | -                      | 1,336     |  |
| Other current assets        | 57          | -                      | 57        |  |
| Other current assets        | 17,348      | (335)                  | 17,013    |  |

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### As of December 31, 2018

| (M\$)                       | Gross value | Valuation allowance | Net value |
|-----------------------------|-------------|---------------------|-----------|
| Accounts receivable         | 17,894      | (624)               | 17,270    |
| Recoverable taxes           | 4,090       | -                   | 4,090     |
| Other operating receivables | 10,306      | (573)               | 9,733     |
| Prepaid expenses            | 837         | -                   | 837       |
| Other current assets        | 64          | -                   | 64        |
| Other current assets        | 15,297      | (573)               | 14,724    |

Changes in the valuation allowance on "Accounts receivable" and "Other current assets" are as follows:

|                                 |                  |                | Currency         |                 |
|---------------------------------|------------------|----------------|------------------|-----------------|
|                                 | Valuation        |                | translation      | Valuation       |
| For the year ended December 31, | allowance        |                | adjustments and  | allowance as of |
| (M\$)                           | as of January 1, | Increase (net) | other variations | December 31,    |
| Accounts receivable             |                  |                |                  |                 |
| 2020                            | (674)            | (107)          | (50)             | (831)           |
| 2019                            | (624)            | (89)           | 39               | (674)           |
| 2018                            | (576)            | (62)           | 14               | (624)           |
| Other current assets            |                  |                |                  |                 |
| 2020                            | (335)            | 37             | 23               | (275)           |
| 2019                            | (573)            | (46)           | 284              | (335)           |
| 2018                            | (461)            | (148)          | 36               | (573)           |

As of December 31, 2020, the net portion of the overdue receivables included in "Accounts receivable" and "Other current assets" was \$4,197 million, of which \$2,140 million was due less than 90 days, \$239 million was due between 90 days and 6 months, \$553 million was due between 6 and 12 months and \$1,265 million was due after 12 months.

As of December 31, 2019, the net portion of the overdue receivables included in "Accounts receivable" and "Other current assets" was \$3,760 million, of which \$2,089 million was due less than 90 days, \$357 million was due between 90 days and 6 months, \$402 million was due between 6 and 12 months and \$912 million was due after 12 months.

As of December 31, 2018, the net portion of the overdue receivables included in "Accounts receivable" and "Other current assets" was \$3,767 million, of which \$1,993 million was due less than 90 days, \$273 million was due between 90 days and 6 months, \$450 million was due between 6 and 12 months and \$1,051 million was due after 12 months.

### 5.4.3) Other creditors and accrued liabilities

#### As of December 31,

| (M\$)  | 2020   | 2019   | 2018   |
|--|--------|--------|--------|
| Accruals and deferred income                   | 842    | 522    | 546    |
| Payable to States (including taxes and duties) | 5,734  | 7,438  | 6,861  |
| Payroll  | 1,587  | 1,527  | 1,553  |
| Other operating liabilities                    | 14,302 | 16,262 | 13,286 |
| Total  | 22,465 | 25,749 | 22,246 |

As of December 31, 2020, the heading "Other operating liabilities" notably includes the second quarterly interim dividend for the fiscal year 2020 for \$2,129 million, which was paid in January 2021 and the third quarterly interim dividend for the fiscal year 2020 for \$2,149 million, which will be paid in April 2021.

As of December 31, 2019, the heading "Other operating liabilities" notably included the second quarterly interim dividend for the fiscal year 2019 for \$1,918 million, which was paid in January 2020 and the third quarterly interim dividend for the fiscal year 2019 for \$2,038 million, which was paid in April 2020.

As of December 31, 2018, the heading "Other operating liabilities" notably included the second quarterly interim dividend for the fiscal year 2018 for \$1,911 million, which was paid in January 2019 and the third quarterly interim dividend for the fiscal year 2018 for \$1,912 million, which was paid in April 2019.

### Items related to the cash flow statement

### 5.5) Cash flow from operating activities

### **Accounting policies**

The Consolidated Statement of Cash Flows prepared in currencies other than dollar has been translated into dollars using the exchange rate on the transaction date or the average exchange rate for the period. Currency translation differences arising from the translation of monetary assets and liabilities denominated in foreign currency into dollars using the closing exchange rates are shown in the Consolidated Statement of Cash Flows under "Effect of exchange rates". Therefore, the Consolidated Statement of Cash Flows will not agree with the figures derived from the Consolidated Balance Sheet.

The following table gives additional information on cash paid or received in the cash flow from operating activities.

### Detail of interest, taxes and dividends

#### For the year ended December 31,

| (M\$)                          | 2020    | 2019    | 2018    |
|--------------------------------|---------|---------|---------|
| Interests paid                 | (2,145) | (2,181) | (1,818) |
| Interests received             | 197     | 210     | 164     |
| Income tax paid <sup>(a)</sup> | (2,858) | (5,293) | (5,024) |
| Dividends received             | 1,444   | 1,988   | 2,456   |

<sup>(</sup>a) These amounts include taxes paid in kind under production-sharing contracts in exploration and production activities.

#### Detail of changes in working capital

### For the year ended December 31,

| (M\$)                                   | 2020    | 2019    | 2018    |
|---|---------|---------|---------|
| Inventories                             | 2,274   | (2,071) | 1,430   |
| Accounts receivable                     | 4,818   | (933)   | (1,461) |
| Other current assets                    | 3,374   | (2,001) | (364)   |
| Accounts payable                        | (5,355) | 1,998   | (822)   |
| Other creditors and accrued liabilities | (3,242) | 1,289   | 1,986   |
| Net amount, Decrease (Increase)         | 1,869   | (1,718) | 769     |

#### Detail of changes in provisions and deferred taxes

### As of December 31,

| (M\$)          | 2020    | 2019  | 2018  |
|----------------|---------|-------|-------|
| Accruals       | 350     | 403   | (432) |
| Deferred taxes | (2,132) | (461) | (455) |
| Total          | (1,782) | (58)  | (887) |

# 6) Other items from operating activities

# 6.1) Other income and other expense

#### For the year ended December 31,

| (M\$)   | 2020    | 2019    | 2018    |
|---|---------|---------|---------|
| Gains on disposal of assets                                       | 961     | 670     | 1,041   |
| Foreign exchange gains  | 746     | 238     | 252     |
| Other   | 530     | 255     | 545     |
| Other income  | 2,237   | 1,163   | 1,838   |
| Losses on disposal of assets                                      | (52)    | (56)    | (111)   |
| Foreign exchange losses   | (320)   | (463)   | (444)   |
| Amortization of other intangible assets (excl. mineral interests) | (343)   | (266)   | (225)   |
| Other   | (791)   | (407)   | (493)   |
| Other expense   | (1,506) | (1,192) | (1,273) |

#### Other income

In 2020, gains on disposal of assets are mainly related to the sale of non-strategic assets in the British North Sea in the Exploration & Production segment, to the sale of the group's interest in the Fos Cavaou regasification terminal in France and the sale of infrastructure assets in the Integrated Gas Renewables & Power segment, as well as to the sale of real estate in Belgium in the Holding segment.

In 2019, gains on disposal of assets mainly related to the sale of assets and interests in Norway in the Exploration & Production segment, to the sale of Hazira and SunPower assets in the Integrated Gas Renewables & Power segment and the sale of assets in China in the Refining & Chemicals segment.

In 2018, gains on disposal of assets mainly related to the sale of assets and interests in Norway, Canada and Gabon in the Exploration & Production segment, to the sale of Dunkerque LNG SAS and SunPower assets in the Integrated Gas Renewables & Power segment and the sale of TotalErg and Total Haiti in the Marketing & Services segment.

### Other expense

In 2020, the heading "Other" notably consists of restructuring charges in the Exploration & Production, Integrated Gas Renewables & Power and Refining & Chemicals segments for an amount of \$312 million, and of the impairment of non-consolidated shares and loans granted to non-consolidated subsidiaries for an amount of \$64 million.

In 2019, the heading "Other" notably consisted of restructuring charges in the Exploration & Production, Integrated Gas Renewables & Power and Refining & Chemicals segments for an amount of \$96 million, and of the revaluation at fair value of non-consolidated shares for \$94 million.

In 2018, the heading "Other" mainly consisted of restructuring charges in the Exploration & Production, Integrated Gas Renewables & Power and Refining & Chemicals segments for an amount of \$179 million, and of the impairment of non-consolidated shares and loans granted to non-consolidated subsidiaries and equity affiliates for \$77 million.

# 6.2) Other financial income and expense

# As of December 31,

| (M\$) Dividend income on non-consolidated subsidiaries | 2020  | <b>2019</b><br>178 | 2018  |
|--|-------|--------------------|-------|
|  | 160   |                    | 171   |
| Capitalized financial expenses                         | 110   | 227                | 519   |
| Other  | 644   | 387                | 430   |
| Other financial income                                 | 914   | 792                | 1,120 |
| Accretion of asset retirement obligations              | (607) | (639)              | (530) |
| Other  | (83)  | (125)              | (155) |
| Other financial expense                                | (690) | (764)              | (685) |

# 6.3) Other non-current assets

| As of December 31, 2020  |             | Valuation |           |
|--|-------------|-----------|-----------|
| (M\$)  | Gross value | allowance | Net value |
| Loans and advances <sup>(a)</sup>                                    | 2,731       | (273)     | 2,458     |
| Other non-current financial assets related to operational activities | 287         | -         | 287       |

 Other
 65
 65

 Total
 3,083
 (273)
 2,810

| As of December 31, 2019  |             | Valuation |           |
|--|-------------|-----------|-----------|
| <u>(</u> M\$)  | Gross value | allowance | Net value |
| Loans and advances <sup>(a)</sup>                                    | 2,248       | (266)     | 1,982     |
| Other non-current financial assets related to operational activities | 332         | -         | 332       |
| Other  | 101         | -         | 101       |
| Total  | 2,681       | (266)     | 2,415     |

| As of December 31, 2018  |             | Valuation |           |
|--|-------------|-----------|-----------|
| (M\$)  | Gross value | allowance | Net value |
| Loans and advances <sup>(a)</sup>                                    | 2,180       | (303)     | 1,877     |
| Other non-current financial assets related to operational activities | 471         | -         | 471       |
| Other  | 161         | -         | 161       |
| Total  | 2,812       | (303)     | 2,509     |

<sup>(</sup>a) Excluding loans to equity affiliates.

Changes in the valuation allowance on loans and advances are detailed as follows:

| For the year ended December 31, | Valuation allowance as of |           | _         | Currency<br>translation<br>adjustment and | Valuation allowance as of |
|---------------------------------|---------------------------|-----------|-----------|---|---------------------------|
| (M\$)                           | January 1,                | Increases | Decreases | other variations                          | December 31,              |
| 2020                            | (266)                     | (30)      | 15        | 8   | (273)                     |
| 2019                            | (303)                     | (7)       | 43        | 1   | (266)                     |
| 2018                            | (359)                     | (5)       | 35        | 26  | (303)                     |

# 7) Intangible and tangible assets

### 7.1) Intangible assets

# **Accounting policies**

#### Goodwill

Guidance for measuring goodwill is presented in Note 1.1 paragraph B to the Consolidated Financial Statements. Goodwill is not amortized but is tested for impairment at least annually and as soon as there is any indication of impairment.

#### Mineral interests

Unproved mineral interests are tested for impairment based on the results of the exploratory activity or as part of the impairment tests of the cash-generating units to which they are allocated.

Unproved mineral interests are transferred to proved mineral interests at their net book value as soon as proved reserves are booked.

Proved mineral interests are depreciated using the unit-of-production method based on proved reserves.

The corresponding expense is recorded as depreciation of tangible assets and mineral interests.

### Other intangible assets

Other intangible assets include patents, and trademarks.

Intangible assets are carried at cost, after deducting any accumulated amortization and accumulated impairment losses.

Intangible assets (excluding mineral interests) that have a finite useful life are amortized on a straight-line basis over three to twenty years depending on the useful life of the assets. The corresponding depreciation expense is recorded under other expense.

| As of December 31, 2020    | Amortization and |            |        |  |  |
|----------------------------|------------------|------------|--------|--|--|
| <u>(</u> M\$)              | Cost             | impairment | Net    |  |  |
| Goodwill                   | 9,738            | (931)      | 8,807  |  |  |
| Proved mineral interests   | 16,559           | (9,595)    | 6,964  |  |  |
| Unproved mineral interests | 20,300           | (4,790)    | 15,510 |  |  |
| Other intangible assets    | 7,212            | (4,965)    | 2,247  |  |  |
| Total intangible assets    | 53,809           | (20,281)   | 33,528 |  |  |

| As of December 31, 2019    | Amortization and |            |        |  |  |
|----------------------------|------------------|------------|--------|--|--|
| (M\$)                      | Cost             | impairment | Net    |  |  |
| Goodwill                   | 9,357            | (1,011)    | 8,346  |  |  |
| Proved mineral interests   | 15,966           | (8,741)    | 7,225  |  |  |
| Unproved mineral interests | 20,138           | (4,558)    | 15,580 |  |  |
| Other intangible assets    | 5,743            | (3,716)    | 2,027  |  |  |
| Total intangible assets    | 51,204           | (18,026)   | 33,178 |  |  |

| As of December 31, 2018    |        | Amortization and |        |
|----------------------------|--------|------------------|--------|
| (M\$)                      | Cost   | impairment       | Net    |
| Goodwill                   | 9,188  | (1,014)          | 8,174  |
| Proved mineral interests   | 14,775 | (7,947)          | 6,828  |
| Unproved mineral interests | 16,712 | (4,491)          | 12,221 |
| Other intangible assets    | 5,824  | (4,125)          | 1,699  |
| Total intangible assets    | 46,499 | (17,577)         | 28,922 |

Change in net intangible assets is analyzed in the following table:

|       | Net amount as of January 1, | Expenditures | Disposals | Amortization and<br>impairment | ,             |        | Net amount as of<br>December 31, |
|-------|-----------------------------|--------------|-----------|--------------------------------|---------------|--------|----------------------------------|
| (M\$) |                             |              |           |                                | aajastiiioiit |        |                                  |
| 2020  | 33,178                      | 784          | (277)     | (1,430)                        | 305           | 968    | 33,528                           |
| 2019  | 28,922                      | 1,087        | (118)     | (1,359)                        | (95)          | 4,741  | 33,178                           |
| 2018  | 14,587                      | 3,745        | (28)      | (852)                          | (351)         | 11,821 | 28,922                           |

In 2020, the heading "Amortization and impairment" includes the accounting impact of exceptional asset impairments for an amount of \$323 million (see note 3 paragraph D to the Consolidated Financial Statements).

In 2020, the heading "Other" mainly reflects changes in the consolidation scope (including the acquisition of the residential gas and electricity supply business in Spain) for \$898 million.

In 2019, the heading "Amortization and impairment" included the accounting impact of exceptional asset impairments for an amount of \$251 million (see note 3 paragraph D to the Consolidated Financial Statements).

In 2019, the heading "Other" mainly reflected changes in the consolidation scope (including the assets of Anadarko in Mozambique) for \$3,887 million.

In 2018, the heading "Amortization and impairment" included the accounting impact of exceptional asset impairments for an amount of \$67 million (see note 3 paragraph D to the Consolidated Financial Statements).

In 2018, the heading "Other" mainly reflected changes in the consolidation scope (including Maersk Oil, Global LNG and Direct Energie) for \$12,044 million.

A summary of changes in the carrying amount of goodwill by business segment for the year ended December 31, 2020 is as follows:

|                                    | Net goodwill as of |           |             |       | Net goodwill as of |
|------------------------------------|--------------------|-----------|-------------|-------|--------------------|
| (M\$)                              | January 1, 2020    | Increases | Impairments | Other | December 31, 2020  |
| Exploration & Production           | 2,642              | -         | -           | (4)   | 2,638              |
| Integrated Gas, Renewables & Power | 4,774              | 401       | -           | 72    | 5,247              |
| Refining & Chemicals               | 523                | 17        | -           | (6)   | 534                |
| Marketing & Services               | 379                | -         | -           | (22)  | 357                |
| Corporate                          | 28                 | -         | -           | 3     | 31                 |
| Total                              | 8,346              | 418       | -           | 43    | 8,807              |

The heading "Increases" includes the effect of entries in the consolidation scope, mainly the acquisition in Spain of the gas and electricity residential supply for an amount of \$345 million (see Note 2 paragraph 2 to the Consolidated Financial Statements).

### 7.2) Property, plant and equipment

### **Accounting policies**

### **Exploration costs**

The Group applies IFRS 6 "Exploration for and Evaluation of Mineral Resources". Oil and gas exploration and production properties and assets are accounted for in accordance with the Successful Efforts method.

Exploratory wells are capitalized and tested for impairment on an individual basis as follows:

- Costs of exploratory wells which result in proved reserves are capitalized and then depreciated using the unit-ofproduction method based on proved developed reserves;
- Costs of exploratory wells are temporarily capitalized until proved reserves have been found, if both of the following conditions are met:
  - The well has found a sufficient quantity of reserves to justify, if appropriate, its completion as a producing well, assuming that the required capital expenditures are made;
  - The Group is making sufficient progress assessing the reserves and the economic and operating viability of the project. This progress is evaluated on the basis of indicators such as whether additional exploratory works are under way or firmly planned (wells, seismic or significant studies), whether costs are being incurred for development studies and whether the Group is waiting for governmental or other third-party authorization on a proposed project, or availability of capacity on an existing transport or processing facility.

Costs of exploratory wells not meeting these conditions are charged to exploration costs.

### Oil and Gas production assets of exploration and production activities

Development costs of oil and gas production facilities are capitalized. These costs include borrowing costs incurred during the period of construction and the present value of estimated future costs of asset retirement obligations.

The depletion rate of development wells and of production assets is equal to the ratio of oil and gas production for the period to proved developed reserves (unit-of-production method).

In the event that, due to the price effect on reserves evaluation, the unit-of-production method does not reflect properly the useful life of the asset, an alternative depreciation method is applied based on the reserves evaluated with the price of the previous year. This is the case in 2020 where the method of unit-of-production depreciation is applied to all assets in 2020 based on proven reserves measured with the price used in 2019. This method complies with IAS16.

With respect to phased development projects or projects subject to progressive well production start-up, the fixed assets' depreciable amount, excluding production or service wells, is adjusted to exclude the portion of development costs attributable to the undeveloped reserves of these projects.

With respect to production sharing contracts, the unit-of-production method is based on the portion of production and reserves assigned to the Group taking into account estimates based on the contractual clauses regarding the reimbursement of exploration, development and production costs (cost oil/gas) as well as the sharing of hydrocarbon rights after deduction of cost oil (profit oil/gas).

Hydrocarbon transportation and processing assets are depreciated using the unit-of-production method based on throughput or by using the straight-line method whichever best reflects the economic life of the asset.

### Other property, plant and equipment

Other property, plant and equipment are carried at cost, after deducting any accumulated depreciation and accumulated impairment losses. This cost includes borrowing costs directly attributable to the acquisition or production of a qualifying asset incurred until assets are placed in service. Borrowing costs are capitalized as follows:

- if the project benefits from a specific funding, the capitalization of borrowing costs is based on the borrowing rate;
- if the project is financed by all the Group's debt, the capitalization of borrowing costs is based on the weighted average borrowing cost for the period.

Routine maintenance and repairs are charged to expense as incurred. The costs of major turnarounds of refineries and large petrochemical units are capitalized as incurred and depreciated over the period of time between two consecutive major turnarounds.

|   | ner property, plant and equipment are depreciated using the straight-line ows: | method over their useful lives, which are as |
|---|--|--|
| • | Furniture, office equipment, machinery and tools                               | 3-12 years                                   |
| • | Transportation equipment   | 5-20 years                                   |
| • | Storage tanks and related equipment  | 10-15 years                                  |
| • | Specialized complex installations and pipelines                                | 10-30 years                                  |
| • | Buildings  | 10-50 years                                  |
|   |  |  |

| As of December 31, 2020 (M\$)  | De<br>Cost                | Net                        |                                   |
|--|---------------------------|----------------------------|-----------------------------------|
| Property, plant and equipment of exploration and production activities                         | 0031                      | impairment                 | HOL                               |
| Proved properties  | 215,892                   | (147,914)                  | 67,978                            |
| Unproved properties  | 2,978                     | (268)                      | 2,710                             |
| Work in progress   | 13,873                    | (861)                      | 13,012                            |
| Subtotal   | 232,743                   | (149,043)                  | 83,700                            |
| Other property, plant and equipment  |                           |                            |                                   |
| Land   | 2,999                     | (905)                      | 2,094                             |
| Machinery, plant and equipment (including transportation equipment)                            | 39,506                    | (27,381)                   | 12,125                            |
| Buildings  | 11,184                    | (6,858)                    | 4,326                             |
| Work in progress   | 3,063                     | (1)                        | 3,062                             |
| Other  | 10,983                    | (7,955)                    | 3,028                             |
| Subtotal   | 67,735                    | (43,100)                   | 24,635                            |
| Total property, plant and equipment  | 300,478                   | (192,143)                  | 108,335                           |
| As of December 31, 2019 (M\$)  | D∈<br>Cost                | preciation and impairment  | Net                               |
| Property, plant and equipment of exploration and production activities                         |                           | pa                         |                                   |
| Proved properties  | 210,071                   | (130,134)                  | 79,937                            |
| Unproved properties  | 2,160                     | (288)                      | 1,872                             |
| Work in progress   | 12,056                    | (569)                      | 11,487                            |
| Subtotal   | 224,287                   | (130,991)                  | 93,296                            |
| Other property, plant and equipment  |                           |                            |                                   |
|  |                           |                            | 2,034                             |
| Land   | 2,826                     | (792)                      | 2,034                             |
| Machinery, plant and equipment (including transportation equipment)                            | 2,826<br>36,747           | (792)<br>(25,548)          |                                   |
|  | ,                         | , ,                        | 11,199                            |
| Machinery, plant and equipment (including transportation equipment)                            | 36,747                    | (25,548)                   | 11,199<br>4,487                   |
| Machinery, plant and equipment (including transportation equipment) Buildings                  | 36,747<br>10,519          | (25,548)<br>(6,032)        | 11,199<br>4,487<br>2,499<br>2,893 |
| Machinery, plant and equipment (including transportation equipment) Buildings Work in progress | 36,747<br>10,519<br>2,501 | (25,548)<br>(6,032)<br>(2) | 11,199<br>4,487<br>2,499          |

| As of December 31, 2018  | De      |            |         |
|--|---------|------------|---------|
| <u>(</u> M\$)  | Cost    | impairment | Net     |
| Property, plant and equipment of exploration and production activities |         |            |         |
| Proved properties  | 192,272 | (120,435)  | 71,837  |
| Unproved properties  | 1,673   | (152)      | 1,521   |
| Work in progress   | 22,553  | (1,128)    | 21,425  |
| Subtotal   | 216,498 | (121,715)  | 94,783  |
| Other property, plant and equipment                                    |         |            |         |
| Land   | 1,775   | (648)      | 1,127   |
| Machinery, plant and equipment (including transportation equipment)    | 34,564  | (25,393)   | 9,171   |
| Buildings  | 8,864   | (5,640)    | 3,224   |
| Work in progress   | 2,540   | (2)        | 2,538   |
| Other  | 9,171   | (6,690)    | 2,481   |
| Subtotal   | 56,914  | (38,373)   | 18,541  |
| Total property, plant and equipment                                    | 273,412 | (160,088)  | 113,324 |

Change in net property, plant and equipment is analyzed in the following table:

| (M\$) | Net amount as of<br>January 1, | Expenditures | Disposals | Depreciation and impairment | Currency<br>translation<br>adjustment | Other | Net amount as of<br>December 31, |
|-------|--------------------------------|--------------|-----------|-----------------------------|---------------------------------------|-------|----------------------------------|
| 2020  | 116,408                        | 9,980        | (611)     | (21,544)                    | 1,706                                 | 2,396 | 108,335                          |
| 2019  | 113,324                        | 11,426       | (1,052)   | (15,097)                    | (270)                                 | 8,077 | 116,408                          |
| 2018  | 109,397                        | 13,336       | (2,494)   | (13,732)                    | (1,454)                               | 8,271 | 113,324                          |

In 2020, the heading "Disposals" mainly includes the sale of non strategic assets in the United Kingdom for \$240 million.

In 2020, the heading "Depreciation and impairment" includes the impact of impairments of assets recognized for an amount of \$8,629 million (see Note 3 paragraph D to the Consolidated Financial Statements).

In 2020, the heading "Other" includes the impact of changes in the consolidation scope, the impact of the new IFRS 16 contracts of the period (mainly LNG carriers and FPSO vessels) for an amount of \$1,815 million, and the reversal of the reclassification under IFRS 5 as at December 31, 2019 for \$434 million corresponding to disposals (mainly non strategic assets in the United Kingdom and Total E&P Deep Offshore Borneo BV).

In 2019, the heading "Disposals" mainly included the impact of the 4% sale of Ichthys LNG in Australia.

In 2019, the heading "Depreciation and impairment" included the impact of impairments of assets recognized for an amount of \$669 million (see Note 3 paragraph D to the Consolidated Financial Statements).

In 2019, the heading "Other" principally corresponded to the effect of the first application of IFRS 16 for an amount of \$5,698 million, the entries in the consolidation scope (including Anadarko assets for \$767 million) and the reversal of the reclassification under IFRS 5 as at December 31, 2018 for \$812 million corresponding to disposals.

In 2018, the heading "Disposals" mainly included the impact of sales in the Exploration & Production segment (mainly Martin Linge in Norway and Fort Hills in Canada).

In 2018, the heading "Depreciation and impairment" included the impact of impairments of assets recognized for an amount of \$1,707 million (see Note 3 paragraph D to the Consolidated Financial Statements).

In 2018, the heading "Other" principally corresponded to the effect of the entries in the consolidation scope (including Maersk, Lapa and Iara in Brazil and Direct Energie) for \$6,987 million, to the reclassification of assets in accordance with IFRS 5 "Non-current assets held for sale and discontinued operations" (mainly related to the 4% sale of Ichthys for \$(812) million) and the reversal of the reclassification under IFRS 5 as at December 31, 2017 for \$2,604 million corresponding to disposals.

Following the application of IFRS 16 "Leases", property, plant and equipment as at December 31, 2020 and 2019 presented above include the following amounts for rights of use of assets:

| As of December 31, 2020  | Depreciation and |                  |       |  |
|--|------------------|------------------|-------|--|
| <u>(</u> M\$)  | Cost             | impairment       | Net   |  |
| Property, plant and equipment of exploration and production activities | 2,758            | (1,297)          | 1,461 |  |
| Other property, plant and equipment                                    |                  |                  |       |  |
| Land   | 1,187            | (222)            | 965   |  |
| Machinery, plant and equipment (including transportation equipment)    | 4,606            | (1,631)          | 2,975 |  |
| Buildings  | 1,778            | (385)            | 1,393 |  |
| Other  | 682              | (286)            | 396   |  |
| Subtotal   | 8,253            | (2,524)          | 5,729 |  |
| Total property, plant and equipment                                    | 11,011           | (3,821)          | 7,190 |  |
| As of December 31, 2019  |                  | Depreciation and |       |  |
| (M\$)  | Cost             | impairment       | Net   |  |
| Property, plant and equipment of exploration and production activities | 2,482            | (517)            | 1,965 |  |
| Other property, plant and equipment                                    |                  |                  |       |  |
| Land   | 1,031            | (104)            | 927   |  |
| Machinery, plant and equipment (including transportation equipment)    | 3,527            | (999)            | 2,528 |  |
| Buildings  | 1,545            | (201)            | 1,344 |  |
| Other  | 483              | (134)            | 349   |  |
| Subtotal   | 6,586            | (1,438)          | 5,148 |  |
| Total property, plant and equipment                                    | 9,068            | (1,955)          | 7,113 |  |

Property, plant and equipment as at December 31, 2018 presented above include the following amounts for facilities and equipment under finance leases:

| As of December 31, 2018        | Depreciation and |            |       |  |  |
|--------------------------------|------------------|------------|-------|--|--|
| (M\$)                          | Cost             | impairment | Net   |  |  |
| Machinery, plant and equipment | 1,778            | (605)      | 1,173 |  |  |
| Buildings                      | 121              | (56)       | 65    |  |  |
| Other                          | 543              | (83)       | 460   |  |  |
| Total                          | 2,442            | (744)      | 1,698 |  |  |

# 8) Equity affiliates, other investments and related parties

### 8.1) Equity affiliates: investments and loans

### **Accounting principles**

Under the equity method, the investment in the associate or joint venture is initially recognized at acquisition cost and subsequently adjusted to recognize the Group's share of the net income and other comprehensive income of the associate or joint venture.

Unrealized gains on transactions between the Group and its equity-accounted entities are eliminated to the extent of the Group's interest in the equity accounted entity.

In equity affiliates, goodwill is included in investment book value.

In cases where the group holds less than 20% of the voting rights in another entity, the determination of whether the Group exercises significant influence is also based on other facts and circumstances: representation on the board of directors or an equivalent governing body of the entity, participation in policy-making processes, including participation in decisions relating to dividends or other distributions, significant transactions between the investor and the entity, exchange of management personnel, or provision of essential technical information.

The contribution of equity affiliates in the consolidated balance sheet, consolidated statement of income and consolidated statement of comprehensive income is presented below:

| Equity value                   |         |        |        |
|--------------------------------|---------|--------|--------|
| As of December 31,             | 2020    | 2019   | 2018   |
| (M\$)                          |         |        |        |
| Total Associates               | 15,745  | 17,026 | 13,330 |
| Total Joint ventures           | 7,102   | 6,097  | 5,359  |
| Total                          | 22,847  | 23,123 | 18,689 |
| Loans                          | 5,129   | 3,999  | 4,755  |
| Total                          | 27,976  | 27,122 | 23,444 |
| <b>7 6 1 1 1 1 1 1 1 1 1 1</b> |         |        |        |
| Profit/(loss)                  | 2020    | 2019   | 2018   |
| (M\$)                          |         |        |        |
| Total Associates               | 753     | 2,534  | 2,329  |
| Total Joint ventures           | (301)   | 872    | 841    |
| Total                          | 452     | 3,406  | 3,170  |
| Other comprehensive income     |         |        |        |
| Other comprehensive income     | 2020    | 2019   | 2018   |
| (M\$)                          |         |        |        |
| Total Associates               | (1,704) | 592    | (461)  |
| Total Joint ventures           | (127)   | (184)  | (79)   |
| Total                          | (1,831) | 408    | (540)  |

# A) Information related to associates

Information (100% gross) related to significant associates is as follows:

| Exploration and production activites                 | xploration and production activites <b>Novatek</b> <sup>(a)</sup> |        | Liquefaction entities |        |        | PetroCedeño <sup>(a)</sup> |        |        |        |
|--|---|--------|-----------------------|--------|--------|----------------------------|--------|--------|--------|
| (M\$)  | 2020  | 2019   | 2018                  | 2020   | 2019   | 2018                       | 2020   | 2019   | 2018   |
| Non current assets                                   | 23,748  | 24,081 | 14,639                | 34,273 | 30,578 | 28,664                     | 4,008  | 3,994  | 4,324  |
| Current assets                                       | 4,170   | 6,898  | 4,545                 | 7,537  | 9,994  | 9,358                      | 6,428  | 7,457  | 5,580  |
| Total Assets   | 27,918  | 30,979 | 19,184                | 41,810 | 40,572 | 38,022                     | 10,436 | 11,451 | 9,904  |
| Shareholder's equity                                 | 22,160  | 24,884 | 14,163                | 23,403 | 23,640 | 22,615                     | 4,548  | 4,548  | 4,581  |
| Non current liabilities                              | 3,164   | 3,727  | 3,086                 | 13,608 | 11,445 | 9,826                      | 73     | 76     | 20     |
| Current liabilities                                  | 2,594   | 2,368  | 1,935                 | 4,799  | 5,487  | 5,581                      | 5,815  | 6,827  | 5,303  |
| Total Liabilities                                    | 27,918  | 30,979 | 19,184                | 41,810 | 40,572 | 38,022                     | 10,436 | 11,451 | 9,904  |
|  |   |        |                       |        |        |                            |        |        |        |
| Revenue from sales                                   | 9,733   | 13,227 | 13,415                | 15,584 | 22,684 | 25,644                     | 66     | 356    | 1,629  |
| Net income   | 1,759   | 8,260  | 4,636                 | 2,416  | 5,692  | 7,408                      | -      | (33)   | 122    |
| Other comprehensive income                           | (3,206)   | 1,807  | (2,545)               | -      | -      | -                          | -      | -      | _      |
|  |   |        |                       |        |        |                            |        |        |        |
| % owned  | 19.40%  | 19.40% | 19.40%                |        |        |                            | 30.32% | 30.32% | 30.32% |
| Revaluation identifiable assets on equity affiliates | 1,297   | 1,641  | 1,556                 | 1,837  | 1,714  | 44                         | _      | =      | =      |
| Equity value   | 5,596   | 6,469  | 4,303                 | 5,534  | 5,493  | 3,758                      | 1,379  | 1,379  | 1,389  |
| Profit/(loss)  | 264   | 1,508  | 794                   | 237    | 637    | 874                        | _      | (10)   | 37     |
| Share of Other Comprehensive Income, net             |   |        |                       |        |        |                            |        |        |        |
| amount   | (1,409)   | 634    | (540)                 | (122)  | 23     | 49                         | -      | -      | -      |
| Dividends paid to the Group                          | 229   | 266    | 151                   | 406    | 752    | 816                        | -      | -      | 218    |

<sup>(</sup>a) Information includes the best Group's estimates of results at the date of TOTAL's financial statements.

Novatek, listed in Moscow and London, is the 2nd largest producer of natural gas in Russia. The Group share of Novatek's market value amounted to \$9,951 million as at December 31, 2020. Novatek is consolidated by the equity method. TOTAL, in fact, exercises significant influence particularly through its representation on the Board of Directors of Novatek and its interest in Yamal LNG and the project Arctic LNG 2.

The Group is not aware of significant restrictions limiting the ability of OAO Novatek to transfer funds to its shareholder, be it under the form of dividends, repayment of advances or loans made.

The Group's interests in associates operating liquefaction plants are combined. The amounts include investments in: Nigeria LNG (15.00%), Angola LNG (13.60%), Yemen LNG (39.62%), Qatar Liquefied Gas Company Limited (Qatargas) (10.00%), Qatar Liquefied Gas Company Limited II (16.70%), Oman LNG (5.54%), and Abu Dhabi Gas Liquefaction Company Limited (5.00%), Arctic LNG 2 (10.00%).

PetroCedeño produces and upgrades extra-heavy crude oil in Venezuela.

| Refining & Chemicals activities                      | Saudi<br>Refining 8 |        |        |       |       |       |
|--|---------------------|--------|--------|-------|-------|-------|
| (M\$)  | 2020                | 2019   | 2018   | 2020  | 2019  | 2018  |
| Non current assets                                   | 10,698              | 10,976 | 11,281 | 4,105 | 4,160 | 3,968 |
| Current assets                                       | 1,211               | 1,793  | 2,069  | 1,521 | 1,571 | 1,741 |
| Total Assets   | 11,909              | 12,769 | 13,350 | 5,626 | 5,731 | 5,709 |
| Shareholder's equity                                 | 1,256               | 2,113  | 2,412  | 2,717 | 2,676 | 2,748 |
| Non current liabilities                              | 7,994               | 8,098  | 8,398  | 2,171 | 2,150 | 1,914 |
| Current liabilities                                  | 2,659               | 2,558  | 2,540  | 738   | 905   | 1,047 |
| Total Liabilities                                    | 11,909              | 12,769 | 13,350 | 5,626 | 5,731 | 5,709 |
| Revenue from sales                                   | 6,031               | 10,522 | 11,886 | 5,222 | 8,225 | 9,929 |
| Net income   | (686)               | (171)  | 122    | 91    | 42    | 409   |
| Other comprehensive income                           | (171)               | (124)  | 16     | -     | 111   | (21)  |
| % owned  | 37.50%              | 37.50% | 37.50% |       |       |       |
| Revaluation identifiable assets on equity affiliates | -                   | -      | -      | -     | -     | -     |
| Equity value   | 471                 | 792    | 905    | 716   | 706   | 740   |
| Profit/(loss)  | (257)               | (64)   | 46     | 57    | 91    | 198   |
| Share of Other Comprehensive Income, net amount      | (128)               | (33)   | 40     | (16)  | 14    | 6     |
| Dividends paid to the Group                          | -                   | -      | 56     | 63    | 159   | 271   |

Saudi Aramco Total Refining & Petrochemicals is an entity including a refinery in Jubail, Saudi Arabia, with a capacity of 460,000 barrels/day with integrated petrochemical units.

The Group's interests in associates of the Refining & Chemicals segment, operating steam crackers and polyethylene lines in Qatar have been combined: Qatar Petrochemical Company Ltd. (20.00%), Qatofin (49.09%), Laffan Refinery (10.00%) and Laffan Refinery II (10.00%).

# B) Information related to joint ventures

The information (100% gross) related to significant joint ventures is as follows:

|   | Liquefa         | action entiti | Hanwha Total Petrochemicals |                        |        |        |
|---|-----------------|---------------|-----------------------------|------------------------|--------|--------|
|   | (Integrated Gas | , Renewables  | & Power)                    | (Refining & Chemicals) |        |        |
| (M\$)   | 2020            | 2019          | 2018                        | 2020                   | 2019   | 2018   |
| Non current assets  | 70,425          | 70,279        | 68,003                      | 4,664                  | 4,310  | 4,017  |
| Current assets excluding cash and cash equivalents                  | 1,513           | 1,866         | 1,928                       | 1,575                  | 1,842  | 2,180  |
| Cash and cash equivalents   | 1,834           | 1,678         | 339                         | 303                    | 322    | 237    |
| Total Assets  | 73,772          | 73,823        | 70,270                      | 6,542                  | 6,474  | 6,434  |
| Shareholder's equity  | 4,433           | 7,151         | 7,059                       | 3,443                  | 3,319  | 3,534  |
| Other non current liabilities                                       | 8,259           | 6,864         | 3,472                       | 167                    | 150    | 157    |
| Non current financial debts   | 58,128          | 56,379        | 56,841                      | 1,703                  | 1,761  | 1,418  |
| Other current liabilities   | 2,952           | 3,429         | 2,898                       | 583                    | 756    | 725    |
| Current financial debts   | -               | -             | -                           | 646                    | 488    | 600    |
| Total Liabilities   | 73,772          | 73,823        | 70,270                      | 6,542                  | 6,474  | 6,434  |
|   |                 |               |                             |                        |        |        |
| Revenue from sales  | 8,543           | 9,240         | 2,908                       | 5,734                  | 8,437  | 10,191 |
| Depreciation and depletion of tangible assets and mineral interests | (3,130)         | (3,040)       | (1,227)                     | (278)                  | (256)  | (269)  |
| Interest income   | 2               | 5             | 119                         | -                      | -      | 9      |
| Interest expense  | (2,972)         | (2,993)       | (670)                       | (2)                    | (14)   | (5)    |
| Income taxes  | 77              | (270)         | (386)                       | (69)                   | (124)  | (310)  |
| Net income  | (2,399)         | 383           | 2,029                       | 133                    | 302    | 754    |
| Other comprehensive income  | (323)           | (429)         | 132                         | 194                    | (116)  | (169)  |
|   |                 |               |                             |                        |        |        |
| % owned   |                 |               |                             | 50.00%                 | 50.00% | 50.00% |
| Revaluation identifiable assets on equity affiliates                | 546             | 660           | 683                         | -                      | -      | -      |
| Equity value  | 1,602           | 2,318         | 2,404                       | 1,721                  | 1,660  | 1,767  |
| Profit/(loss)   | (633)           | (19)          | 192                         | 67                     | 150    | 377    |
| Share of Other Comprehensive Income, net amount                     | (84)            | (112)         | 40                          | 87                     | (68)   | (67)   |
| Dividends paid to the Group   | -               | -             | -                           | 102                    | 200    | 332    |

The Group's interests in joint ventures operating liquefaction plants have been combined. The amounts include investments in Yamal LNG in Russia (20.02% direct holding) and Ichthys LNG in Australia (26.00%).

Hanwha Total Petrochemicals is a South Korean company that operates a petrochemical complex in Daesan (condensate separator, steam cracker, styrene, paraxylene, polyolefins).

Off balance sheet commitments relating to joint ventures are disclosed in Note 13 of the Consolidated Financial Statements.

# C) Other equity consolidated affiliates

In Group share, the main aggregated financial items in equity consolidated affiliates including assets held for sale, which have not been presented individually are as follows:

| As of December 31,      | 2020       | 2020           |            | 2019           |            | 2018           |  |  |
|-------------------------|------------|----------------|------------|----------------|------------|----------------|--|--|
| (M\$)                   | Associates | Joint ventures | Associates | Joint ventures | Associates | Joint ventures |  |  |
| Non Current assets      | 5,454      | 7,002          | 5,435      | 4,287          | 4,512      | 2,487          |  |  |
| Current assets          | 1,299      | 1,671          | 1,357      | 1,276          | 1,263      | 752            |  |  |
| Total Assets            | 6,753      | 8,673          | 6,792      | 5,563          | 5,775      | 3,239          |  |  |
| Shareholder's equity    | 1,183      | 1,963          | 1,405      | 1,437          | 1,438      | 1,108          |  |  |
| Non current liabilities | 4,881      | 5,469          | 4,412      | 3,091          | 3,254      | 1,585          |  |  |
| Current liabilities     | 689        | 1,241          | 975        | 1,035          | 1,083      | 546            |  |  |
| Total Liabilities       | 6,753      | 8,673          | 6,792      | 5,563          | 5,775      | 3,239          |  |  |

| For the year ended December 31, (M\$)     | 2020       |                   | 2019       |                   | 2018       |                |  |
|---|------------|-------------------|------------|-------------------|------------|----------------|--|
|   | Associates | Joint<br>ventures | Associates | Joint<br>ventures | Associates | Joint ventures |  |
| Revenues from sales                       | 2,154      | 3,116             | 2,190      | 3,535             | 2,542      | 11,914         |  |
| Net income                                | 478        | 202               | 383        | 288               | 380        | 281            |  |
| Share of other comprehensive income items | (29)       | (130)             | (46)       | (4)               | (16)       | (52)           |  |
| Equity value                              | 2,049      | 3,779             | 2,187      | 2,119             | 2,235      | 1,188          |  |
| Profit/(Loss)                             | 452        | 265               | 372        | 741               | 380        | 272            |  |
| Dividends paid to the Group               | 409        | 59                | 362        | 50                | 416        | 49             |  |

# 8.2) Other investments

### **Accounting policies**

Other investments are equity instruments and are measured according to IFRS 9 at fair value through profit and loss (default option). On initial recognition, the standard allows to make an election to record the changes of fair value in other comprehensive income. For these equity instruments, only dividends can be recognized in profit or loss.

The Group recognizes changes in fair value in equity or in profit or loss according to the option chosen on an instrument by instrument basis.

For quoted shares on active markets, this fair value is equal to the market price.

| As of December 31, 2020                                  | As of<br>January 1,<br>2020 | Increase -<br>Decrease | Change in fair value | As of<br>December<br>31, 2020 |
|--|-----------------------------|------------------------|----------------------|-------------------------------|
| Enphase Energy Inc                                       | 173                         | 3 (251                 | ) 69                 | 1 613                         |
| Tellurian Investments Inc.                               | 20                          | 7 (1                   | ) (149               | ) 57                          |
| Other shares through fair value OCI (unit value < \$50M) | 126                         | 6 (4                   | ) (9                 | ) 113                         |
| Equity instruments recorded through fair value OCI       | 500                         | 6 (256                 | 533                  | 3 783                         |
| BBPP   | 62                          | 2 (4                   | .)                   | - 58                          |
| BTC Limited  | 28                          | 3                      | - (1                 | ) 27                          |
| Tas Helat Marketing Company (a)                          | 108                         | 3 (108                 | 5)                   |                               |
| Other shares through fair value P&L (unit value < \$50M) | 1,074                       | 4 8                    | 4 (19                | ) 1,139                       |
| Equity instruments recorded through fair value P&L       | 1,272                       | 2 (28                  | (20                  | ) 1,224                       |
| Total equity instruments                                 | 1,778                       | 3 (284                 | 513                  | 3 2,007                       |

<sup>(</sup>a) Tas Helat Marketing Company is a joint venture with SAUDI ARAMCO to develop the retail business. It was consolidated in 2020 (using the equity method).

| As of December 31, 2019                                  |       | Increase -<br>Decrease | Change in fair value | As of<br>December<br>31, 2019 |
|--|-------|------------------------|----------------------|-------------------------------|
| Enphase Energy Inc                                       | 36    | 5 (5                   | 5) 14                | 173                           |
| Tellurian Investments Inc.                               | 207   | ,                      | -                    | - 207                         |
| Other shares through fair value OCI (unit value < \$50M) | 119   | <u>.</u>               | 7                    | - 126                         |
| Equity instruments recorded through fair value OCI       | 362   | ! :                    | 2 14                 | 12 506                        |
| ВВРР   | 62    |                        | -                    | _ 62                          |
| BTC Limited  | 50    | 1                      | - (2:                | 2) 28                         |
| Tas Helat Marketing Company (a)                          | -     | . 108                  |                      | 108                           |
| Total Lubrificantes do Brasil <sup>(b)</sup>             | 111   | (111                   | )                    |                               |
| Other shares through fair value P&L (unit value < \$50M) | 836   | 23                     | 8                    | - 1,074                       |
| Equity instruments recorded through fair value P&L       | 1,059 | 23                     | 5 (2)                | 2) 1,272                      |
| Total equity instruments                                 | 1,421 | 23                     | 7 12                 | 20 1,778                      |

<sup>(</sup>a) Tas Helat Marketing Company is a joint venture with SAUDI ARAMCO to develop the retail business. It will be consolidated in 2020 (using the equity method).

<sup>(</sup>b) Total Lubrificantes do Brasil was consolidated in 2019.

| As of December 31, 2018                                  | As of<br>January 1,<br>2018 | Increase -<br>Decrease | Char<br>fair v | nge in<br>value | As of<br>Dece<br>31, 20 | mber  |
|--|-----------------------------|------------------------|----------------|-----------------|-------------------------|-------|
| Tellurian Investments Inc.                               | 20                          | 7                      | -              |                 | -                       | 207   |
| Other shares through fair value OCI (unit value < \$50M) | 7                           | 7                      | 80             | (2              | 2)                      | 155   |
| Equity instruments recorded through fair value OCI       | 28                          | 4                      | 80             | (2              | 2)                      | 362   |
| BBPP   | 6                           | 2                      | -              |                 | -                       | 62    |
| BTC Limited  | 5                           | 55                     | -              | (5              | 5)                      | 50    |
| DUNKERQUE LNG SAS  | 14                          | .4                     | (217)          | 7               | 3                       | -     |
| Total Lubrificantes do Brasil <sup>(a)</sup>             |                             | -                      | 111            |                 | -                       | 111   |
| Other shares through fair value P&L (unit value < \$50M) | 1,18                        | 2                      | (346)          |                 | -                       | 836   |
| Equity instruments recorded through fair value P&L       | 1,44                        | 3                      | (452)          | 6               | 8                       | 1,059 |
| Total equity instruments                                 | 1,72                        | 27                     | (372)          | 6               | 6                       | 1,421 |

<sup>(</sup>a) Total Lubrificantes do Brasil will be consolidated in 2019.

### 8.3) Related parties

The main transactions as well as receivable and payable balances with related parties (principally non-consolidated subsidiaries and equity consolidated affiliates) are detailed as follows:

| As of | Decem | ber | 31. |
|-------|-------|-----|-----|
|-------|-------|-----|-----|

| 2020 | 2019             | 2018                        |
|------|------------------|-----------------------------|
|      |                  |                             |
|      |                  |                             |
| 545  | 486              | 496                         |
| 89   | 42               | 57                          |
|      |                  |                             |
| 662  | 968              | 888                         |
| 3    | 2                | 2                           |
|      | 545<br>89<br>662 | 545 486<br>89 42<br>662 968 |

| For the   | vear              | ended | December | 31.         |
|-----------|-------------------|-------|----------|-------------|
| i Oi tiie | y <del>c</del> ai | enaea | December | <b>J</b> 1, |

| (M\$)               | 2020    | 2019     | 2018    |
|---------------------|---------|----------|---------|
| Statement of income |         |          |         |
| Sales               | 3,134   | 4,127    | 4,192   |
| Purchases           | (7,183) | (10,158) | (9,253) |
| Financial income    | 1       | 4        | 2       |
| Financial expense   | (6)     | (4)      | (5)     |

# 8.4) Compensation for the administration and management bodies

The aggregate amount of direct and indirect compensation accounted by the French and foreign affiliates of the Company, for all executive officers of TOTAL as of December 31 and for the members of the Board of Directors who are employees of the Group, is detailed below.

During fiscal year 2020, the Company, taking into account the definition from US regulations applicable to Executive Officers and in the interest of harmonization, has chosen to reduce the list of its Executive Officers to the members of the Executive Committee in order to align this list with the list of "Persons Discharging Managerial Responsibilities" (PDMR) within the sense of Article 19.5 of Regulation (EU) No. 596/2014 on Market Abuse ("Regulation"). For the purposes of this Regulation, PDMRs are defined as the persons referred to in Article L. 621-18-2 (a) of the French Monetary and Financial Code (the "Directors") and the persons referred to in Article L. 621-18-2 (b) of the same code that TOTAL SE has defined as the members of the TOTAL Executive Committee ("COMEX").

As of December 31, 2020, the Group Executive Officers are the members of the Executive Committee, i.e. eight people.

As of December 31, 2019, the Group Executive Officers included the members of the Executive Committee and the four directors of the corporate functions members of the Group Performance Management Committee (Communication, Legal, Health, Safety and Environment, Investor relations), and the Group Treasurer, i.e. thirteen people.

There are three employees members of the Board of Directors on December 31, 2020. They were two on December 31, 2019. The increase in the number of employees members results from the appointment of a second director representing employees on the Board of Directors in accordance with the French "Pacte law" of May 22, 2019.

#### For the year ended December 31,

| (M\$)                                     | 2020 | 2019  | 2018 |
|---|------|-------|------|
| Number of people                          | 11   | 15    | 15   |
| Direct or indirect compensation           | 12.6 | 15.0  | 17.7 |
| Pension expenses (a)                      | 1.5  | (4.9) | 2.5  |
| Share-based payments expense (IFRS 2) (b) | 7.2  | 8.7   | 12.6 |

- (a) The benefits provided for executive officers of the Group and the members of the Board of Directors, who are employees of the Group, include severance to be paid upon retirement, supplementary pension schemes and insurance plans, which represent a commitment of \$129.0 million as of December 31, 2020 (against \$113.3 million as of December 31, 2019 and \$117.0 million as of December 31, 2018). Converted into Euros, this commitment amounts to €105.2 million as of December 31, 2020 (against €100.8 million as of December 31, 2019 and €102.2 million as of December 31, 2018).
- (b) Share-based payments expense computed for the executive officers and the members of the Board of Directors who are employees of the Group and based on the principles of IFRS 2 "Share-based payments" described in Note 9.

Restating the 2019 and 2018 data, to the scope of the Group of executive officers as defined in 2020, the detail of the compensation is as follows:

| For the year ended December 31, (M\$) | 2020 | 2019  | 2018 |
|---------------------------------------|------|-------|------|
| Number of people                      | 11   | 10    | 9    |
| Direct or indirect compensation       | 12.6 | 12.0  | 14.0 |
| Pension expenses                      | 1.5  | (2.4) | 1.4  |
| Share-based payments expense (IFRS2)  | 7.2  | 7.7   | 12.1 |

The compensation allocated to members of the Board of Directors as directors' fees totaled \$1.44 million in 2020 (\$1.57 million in 2019 and \$1.65 million in 2018).

# 9) Shareholders' equity and share-based payments

### 9.1) Shareholders' equity

### Number of TOTAL shares and rights attached

As of December 31, 2020, the share capital of TOTAL SE amounts to €6,632,810,062.50, divided into 2,653,124,025 shares, with a par value of €2.50. There is only one category of shares. The shares may be held in either registered or bearer form.

The authorized share capital amounts to 3,668,371,962 shares as of December 31, 2020 compared to 3,593,399,547 shares as of December 31, 2019 and 3,669,077,772 shares as of December 31, 2018.

A double voting right is assigned to shares that are fully-paid and held in registered form in the name of the same shareholder for at least two years, with due consideration for the total portion of the share capital represented. A double voting right is also assigned, in the event of an increase in share capital by incorporation of reserves, profits or premiums, to registered shares granted for free to a shareholder due to shares already held that are entitled to this right.

Pursuant to the Company's bylaws (Statutes), no shareholder may cast a vote at a Shareholders' Meeting, either by himself or through an agent, representing more than 10% of the total voting rights for the Company's shares. This limit applies to the aggregated amount of voting rights held directly, indirectly or through voting proxies. However, in the case of double voting rights, this limit may be extended up to 20% of the total voting rights for the Company's shares.

These restrictions no longer apply if any individual or entity, acting alone or in concert, acquires at least two-thirds of the total share capital of the Company, directly or indirectly, following a public tender offer for all of the Company's shares.

#### **Share cancellation**

The Board of Directors, pursuant to the authorization granted by the Extraordinary Shareholders' Meeting on May 26, 2017, in the thirteenth resolution to reduce, on one or more occasions, the Company's share capital by cancelling shares, in accordance with the provisions of Articles L. 225-209 and L. 225-213 of the French Commercial Code, has proceeded with the following cancellation of TOTAL shares:

|                | Board of                          | Number of shares  | Buybacks for the purpose of   |   | Percentage  |
|----------------|-----------------------------------|---|---|---|---|
| Fiscal<br>year | Piscal Directors' bought back and |   | cancellation of the dilution <sup>(a)</sup>   | the shareholder<br>return policy <sup>(b)</sup> | of the share<br>capital<br>cancelled <sup>(c)</sup> |
| 2020           |                                   |   | n/a <sup>(d)</sup>  |   |   |
| 2019           | December 11,<br>2019              | 65,109,435 shares<br>bought back between<br>October 29, 2018 and<br>September 9, 2019 | 34,860,133 shares issued as payment for the 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> 2018 interim dividends                  | 30,249,302<br>shares                            | 2.44%   |
| 2018           | December 12,<br>2018              | 44,590,699 shares<br>bought back between<br>February 9 and<br>October 11, 2018        | 28,445,840 shares issued as payment for the 2 <sup>nd</sup> and 3 <sup>rd</sup> interim dividends as well as for the final 2017 dividends | 16,144,859<br>shares                            | 1.66%   |

<sup>(</sup>a) Cancellation of the dilution for the shares issued, without discount, for the scrip dividend.

<sup>(</sup>b) Within the framework of the \$5 billion share buyback program over the 2018-2020 period. On March 23, 2020, in the context of the COVID-19 pandemic and the fall in the oil prices, TOTAL SE announced the suspension of its buyback programme. The Company had previously announced a \$2 billion share buyback target for 2020 in a 60 \$/b environment and has bought back \$554 million.

<sup>(</sup>c) Percentage of the share capital that the cancelled shares represented on the operations' date.

<sup>(</sup>d) TOTAL SE did not cancel any shares in the fiscal year 2020.

#### Variation of the number of shares composing the share capital

| As of December 31, 2017 (a) |   | 2,528,989,616 |
|-----------------------------|---|---------------|
|                             | 2018 Capital increase reserved for employees  | 9,354,889     |
|                             | Capital increase as payment of the scrip dividend (second, third interim and final 2017 dividend, as well as the first 2018 interim dividend) | 47,229,037    |
|                             | Exercise of TOTAL share subscription options  | 2,096,571     |
|                             | Capital increase in consideration for the acquisition of Maersk Olie og Gas A/S   | 97,522,593    |
|                             | Capital reduction by cancellation of treasury shares  | (44,590,699)  |
| As of December 31, 2018 (b) |   | 2,640,602,007 |
|                             | 2019 Capital increase reserved for employees  | 10,047,337    |
|                             | Capital increase as payment of the scrip dividend (second and third 2018 interim dividend)  | 16,076,936    |
|                             | Exercise of TOTAL share subscription options  | 264,230       |
|                             | Capital reduction by cancellation of treasury shares  | (65,109,435)  |
| As of December 31, 2019 (c) |   | 2,601,881,075 |
|                             | Deferred contribution pursuant to the 2015 capital increase reserved for employees  | 18,879        |
|                             | 2020 Capital increase reserved for employees  | 13,160,383    |
|                             | Capital increase as payment of the scrip dividend (final 2019 dividend)   | 38,063,688    |
| As of December 31, 2020 (d) |   | 2,653,124,025 |

- (a) Including 8,376,756 treasury shares deducted from consolidated shareholders' equity.
- (b) Including 32,473,281 treasury shares deducted from consolidated shareholders' equity.
- (c) Including 15,474,234 treasury shares deducted from consolidated shareholders' equity.
- (d) Including 24,392,703 treasury shares deducted from consolidated shareholders' equity.

### Capital increase reserved for Group employees

The Extraordinary General Meeting ("EGM") of May 29, 2020, in its twentieth resolution, granted the authority to the Board of Directors to carry out, a capital increase, in one or more occasions within a maximum period of twenty-six months, reserved to members (employees and retirees) of a company or group savings plan of the Company ("ESOP").

In fiscal year 2020, the Board of Directors of September 16, 2020, by virtue of the twentieth resolution above-mentioned, decided to proceed with a capital increase reserved for Group employees and retirees within the limit of 18 million shares with immediate dividend rights. On this occasion, the Board of Directors has granted all powers to the Chairman and Chief Executive Officer to determine the opening and closing dates of the subscription period and the subscription price. This capital increase is expected to be completed after the General Meeting of May 28, 2021.

During the fiscal years 2018, 2019 and 2020, the Company completed the following ESOP, which terms are set out below:

| Fiscal year                   | 2020   | 2019   | 2018   |
|-------------------------------|--|--|--|
| Date of the ESOP              | June 11, 2020  | June 6, 2019   | May 3, 2018  |
| By virtue of                  | 18 <sup>th</sup> resolution of the EGM of June 1, 2018 | 18 <sup>th</sup> resolution of the EGM of June 1, 2018 | 23 <sup>rd</sup> resolution of the EGM of May 24, 2016     |
| Subscriptions                 |  |  |  |
| Number of shares subscribed   | 12,952,925   | 9,845,111  | 9,174,817  |
| Subscription price            | 26.20 euros  | 40.10 euros  | 37.20 euros  |
| Free shares                   |  |  |  |
| Number of shares granted      | 207,458  | 202,226  | 180,072  |
| By virtue of                  | 19 <sup>th</sup> resolution of the EGM of June 1, 2018 | 19 <sup>th</sup> resolution of the EGM of June 1, 2018 | 24 <sup>th</sup> resolution of the<br>EGM of June 24, 2016 |
| Deferred contribution         |  |  |  |
| Number of shares granted      | 1,380  | 5,932  | 6,784  |
| Number of beneficiaries       | 276  | 1,187  | 1,360  |
| End of the acquisition period | June 11, 2025  | June 6, 2024   | May 3, 2023  |

# **Treasury shares**

# **Accounting policies**

Treasury shares held by TOTAL SE or by its subsidiaries are deducted from consolidated shareholders' equity. Gains or losses on sales of treasury shares are excluded from the determination of net income and are recognized in shareholders' equity.

# TOTAL shares held by TOTAL SE

| As of December 31,  | 2020       | 2019       | 2018       |
|---|------------|------------|------------|
| Number of treasury shares held by TOTAL SE  | 24,392,703 | 15,474,234 | 32,473,281 |
| Percentage of share capital   | 0.92%      | 0.59%      | 1.23%      |
| Of which shares acquired with the intention to cancel them                                  | 23,284,409 | 11,051,144 | 27,360,278 |
| Of which shares allocated to TOTAL share performance plans for Group employees              | 1,055,446  | 4,357,324  | 5,044,817  |
| Of which shares intended to be allocated to new share performance or purchase options plans | 52,848     | 65,766     | 68,186     |

#### Paid-in surplus

In accordance with French law, the paid-in surplus corresponds to premiums related to shares issuances, contributions or mergers of the parent company which can be capitalized or used to offset losses if the legal reserve has reached its minimum required level. The amount of the paid-in surplus may also be distributed subject to taxation except when it qualifies as a refund of shareholder contributions.

As of December 31, 2020, paid-in surplus relating to TOTAL SE amounted to €36,722 million (€35,415 million as of December 31, 2019 and €37,276 million as of December 31, 2018).

#### Reserves

Under French law, 5% of net income must be transferred to the legal reserve until the legal reserve reaches 10% of the nominal value of the share capital. This reserve cannot be distributed to the shareholders other than upon liquidation but can be used to offset losses.

If wholly distributed, the unrestricted reserves of the parent company would be taxed for an approximate amount of \$492 million as of December 31, 2020 (\$575 million as of December 31, 2019 and \$607 million as of December 31, 2018) due to additional corporation tax applied on regulatory reserves so that they become distributable.

### Earnings per share

#### **Accounting policies**

Earnings per share is calculated by dividing net income (Group share) by the weighted-average number of common shares outstanding during the period, excluding TOTAL shares held by TOTAL SE (Treasury shares) which are deducted from consolidated shareholders' equity.

Diluted earnings per share is calculated by dividing net income (Group share) by the fully-diluted weighted-average number of common shares outstanding during the period. Treasury shares held by the parent company, TOTAL SE are deducted from consolidated shareholders' equity. These shares are not considered outstanding for purposes of this calculation which also takes into account the dilutive effect of share subscription or purchase options plans, share grants and capital increases with a subscription period closing after the end of the fiscal year.

The weighted-average number of fully-diluted shares is calculated in accordance with the treasury stock method provided for by IAS 33. The proceeds, which would be recovered in the event of an exercise of rights related to dilutive instruments, are presumed to be a share buyback at the average market price over the period. The number of shares thereby obtained leads to a reduction in the total number of shares that would result from the exercise of rights.

In compliance with IAS 33, earnings per share and diluted earnings per share are based on the net income after deduction of the remuneration due to the holders of deeply subordinated notes.

The variation of both weighted-average number of shares and weighted-average number of diluted shares respectively, as of December 31, respectively used in the calculation of earnings per share and fully-diluted earnings per share is detailed as follows:

|  | 2020          | 2019          | 2018          |
|--|---------------|---------------|---------------|
| Number of shares as of January 1,  | 2,601,881,075 | 2,640,602,007 | 2,528,989,616 |
| TOTAL shares held by TOTAL SE or by its subsidiaries and deducted from shareholders' equity  | (15,474,234)  | (32,473,281)  | (8,376,756)   |
| Evolution of the number of shares during the financial year (pro-rated)  |               |               |               |
| Exercise of TOTAL share subscription options   | -             | 157,153       | 1,351,465     |
| Final grant of TOTAL performance shares  | 2,154,064     | 2,140,576     | 2,039,729     |
| Capital increase reserved for employees  | 7,689,476     | 5,860,947     | 6,236,593     |
| Capital increase as payment of the scrip dividend  | 17,445,857    | 12,360,894    | 26,352,572    |
| Capital increase in consideration for the acquisition of Maersk Olie og Gas A/S  | -             | -             | 81,268,828    |
| Buyback of TOTAL treasury shares including:  | (11,669,489)  | (27,026,481)  | (30,405,112)  |
| Shares repurchased in during the fiscal year to cancel the dilution caused by the scrip dividend payment and within the framework of the share buyback program | (10,666,710)  | (24,818,443)  | (30,102,242)  |
| Shares repurchased in during the fiscal year to cover for the performance share plans  | (1,002,779)   | (2,208,038)   | (302,870)     |
| Weighted-average number of shares  | 2,602,026,749 | 2,601,621,815 | 2,607,456,934 |
| Dilutive effect  |               |               |               |
| Grant of TOTAL share subscription or purchase options  | -             | 33,636        | 296,830       |
| Grant of TOTAL performance shares  | -             | 14,593,030    | 13,794,896    |
| Capital increase reserved for employees <sup>(a)</sup>   | -             | 1,759,407     | 2,167,784     |
| Weighted-average number of diluted shares as of December 31,(b)  | 2,602,026,749 | 2,618,007,888 | 2,623,716,444 |

<sup>(</sup>a) Including the capital increase in consideration to the deferred contribution pursuant to the capital increase reserved for employees.

### Earnings per share in euros

The earnings per share in euros, converted from the earnings per share in dollars, by using the average exchange rate euro/dollar, is  $\in$  (2.54) per share for 2020 closing ( $\in$ 3.75 for 2019 closing). The fully-diluted earnings per share calculated by using the same method is  $\in$  (2.54) per share for 2020 closing ( $\in$ 3.72 for 2019 closing).

#### Dividend

The Board of Directors, on February 8, 2021, after approving the financial statements for the 2020 fiscal year, decided to propose to the Shareholders' Meeting on May 28, 2021 the payment of a €2.64 dividend per share for the fiscal year 2020. Subject to the Shareholders' decision, considering the first three interim dividends already decided by the Board of Directors, the final dividend for the fiscal year 2020 will be €0.66 per share.

| 2020 Dividend    | First interim      | Second interim   | Third interim    | Final         |
|------------------|--------------------|------------------|------------------|---------------|
| Amount           | €0.66              | €0.66            | €0.66            | €0.66         |
| Set date         | May 4, 2020        | July 29, 2020    | October 29, 2020 | May 28, 2021  |
| Ex-dividend date | September 25, 2020 | January 4, 2021  | March 25, 2021   | June 24, 2021 |
| Payment date     | October 2, 2020    | January 11, 2021 | April 1, 2021    | July 1, 2021  |

<sup>(</sup>b) In 2020, the effect generated by the grant of TOTAL performance shares and by the capital increase reserved for employees (19,007,836 shares) is anti-dilutive. In accordance with IAS 33, the weighted-average number of diluted shares is therefore equal to the weighted-average number of shares.

#### Issuances of perpetual subordinated notes

On 25 January 2021, TOTAL SE issued two tranches of perpetual subordinated notes in euro:

- Deeply subordinated notes 1.625% perpetual maturity callable after 7 years (€1,500 million); and
- Deeply subordinated notes 2.125% perpetual maturity callable after 12 years (€1,500 million).

In 2020, TOTAL SE issued perpetual subordinated notes in euro:

Deeply subordinated notes 2.000% perpetual maturity callable after 10 years (€1,000 million).

In parallel with this issuance, TOTAL SE partially tendered perpetual 2.250% subordinated notes issued in 2015 (of which the outstanding nominal amount before the operation was €1,000 million following a first partial tender executed in April 2019) for an amount of €703 million. Following this transaction, the new nominal amount of the tendered tranche was €297 million and the Group's total outstanding amount of perpetual subordinated notes rose temporarily by €297 million. This residual amount was fully repaid in February 2021 on its first call date.

In 2019, TOTAL SE issued perpetual subordinated notes in euro:

- Deeply subordinated notes 1.750% perpetual maturity callable after 5 years (€1,500 million).

In parallel with this issuance, TOTAL SE partially tendered perpetual 2.250% subordinated notes issued in 2015 for an amount of €1,500 million. Following this transaction, the new nominal amount of the tranche tendered was €1,000 million and the Group's total outstanding amount of perpetual subordinated notes remained unchanged.

In 2018 and 2017, TOTAL SE did not issue any perpetual subordinated notes.

In 2016, TOTAL SE issued three tranches of perpetual subordinated notes in euro:

- Deeply subordinated notes 3.875% perpetual maturity callable after 6 years (€1,750 million);
- Deeply subordinated notes 2.708% perpetual maturity callable after 6.6 years (€1,000 million); and
- Deeply subordinated notes 3.369% perpetual maturity callable after 10 years (€1,500 million).

In 2015, TOTAL SE issued two tranches of perpetual subordinated notes in euro:

- Deeply subordinated notes 2.250% perpetual maturity callable after 6 years (€2,500 million); and
- Deeply subordinated notes 2.625% perpetual maturity callable after 10 years (€2,500 million).

Based on their characteristics (mainly no mandatory repayment and no obligation to pay a coupon except under certain circumstances specified into the documentation of the notes) and in compliance with IAS 32 standard – *Financial instruments - Presentation*, these notes were recorded in equity.

As of December 31, 2020, the amount of perpetual deeply subordinated notes booked in the Group shareholders' equity is \$10,667 million. The coupons attributable to the holders of these securities are recognized as a deduction from the Group shareholders' equity for an amount of \$308 million for fiscal year 2020 closing. The tax saving due to these coupons is booked in the statement of income.

# Other comprehensive income

Detail of other comprehensive income showing both items potentially reclassifiable and those not potentially reclassifiable from equity to net income is presented in the table below:

# For the year ended December 31,

| (M\$)  | 202     | 0       | 201   | 9       | 201   | 8       |
|--|---------|---------|-------|---------|-------|---------|
| Actuarial gains and losses   |         | (212)   |       | (192)   |       | (12)    |
| Change in fair value of investments in equity instruments            |         | 533     |       | 142     |       | -       |
| Tax effect   |         | 65      |       | 53      |       | 13      |
| Currency translation adjustment generated by the parent company      |         | 7,541   |       | (1,533) |       | (4,022) |
| Sub-total items not potentially reclassifiable to profit & loss      |         | 7,927   |       | (1,530) |       | (4,021) |
| Currency translation adjustment                                      |         | (4,645) |       | 740     |       | 1,113   |
| - Unrealized gain/(loss) of the period                               | (4,607) |         | 800   |         | 1,238 |         |
| - Less gain/(loss) included in net income                            | 38      |         | 60    |         | 125   |         |
| Cash flow hedge  |         | (313)   |       | (599)   |       | 25      |
| - Unrealized gain/(loss) of the period                               | (175)   | ,       | (552) | , 1     | (94)  |         |
| - Less gain/(loss) included in net income                            | 138     |         | 47    |         | (119) |         |
| Variation of foreign currency basis spread                           |         | 28      |       | 1       |       | (80)    |
| - Unrealized gain/(loss) of the period                               | (22)    |         | (57)  |         | (80)  | ` ,     |
| - Less gain/(loss) included in net income                            | (50)    |         | (58)  |         | -     |         |
| Share of other comprehensive income of equity affiliates, net amount |         | (1,831) |       | 408     |       | (540)   |
| - Unrealized gain/(loss) of the period                               | (1,841) | (1,031) | 421   | 400     | (495) | (340)   |
| - Less gain/(loss) included in net income                            | (10)    |         | 13    |         | 45    |         |
| Other  |         | (8)     |       | (3)     |       | (5)     |
| Tax effect   |         | 72      |       | 202     |       | 14      |
| Sub-total items potentially reclassifiable to profit & loss          |         | (6,697) |       | 749     |       | 527     |
| Total other comprehensive income, net amount                         |         | 1,230   |       | (781)   |       | (3,494) |

The currency translation adjustment by currency is detailed in the following table:

| As of December 31, 2020  |         |         | Pound    |       | Other      |
|--|---------|---------|----------|-------|------------|
| (M\$)  | Total   | Euro    | sterling | Ruble | currencies |
| Currency translation adjustment generated by the parent company          | 7,541   | 7,541   | -        | -     | _          |
| Currency translation adjustment  | (4,645) | (4,668) | 115      | (12)  | (80)       |
| Currency translation adjustment of equity affiliates                     | (1,657) | (851)   | (11)     | (886) | 91         |
| Total currency translation adjustment recognized in comprehensive income | 1,239   | 2,022   | 104      | (898) | 11         |
| As of December 31, 2019  |         |         | Pound    |       | Other      |
| (M\$)  | Total   | Euro    | sterling | Ruble | currencies |
| Currency translation adjustment generated by the parent company          | (1,533) | (1,533) | -        | -     | -          |
| Currency translation adjustment  | 740     | 636     | 138      | 7     | (41)       |
| Currency translation adjustment of equity affiliates                     | 607     | 149     | (7)      | 530   | (65)       |
| Total currency translation adjustment recognized in comprehensive income | (186)   | (748)   | 131      | 537   | (106)      |
| As of December 31, 2018  |         |         | Pound    |       | Other      |
| (M\$)  | Total   | Euro    | sterling | Ruble | currencies |
| Currency translation adjustment generated by the parent company          | (4,022) | (4,022) | -        | -     | _          |
| Currency translation adjustment  | 1,113   | 1,883   | (431)    | (10)  | (329)      |
| Currency translation adjustment of equity affiliates                     | (564)   | 343     | 14       | (805) | (116)      |
| Total currency translation adjustment recognized in comprehensive income | (3,473) | (1,796) | (417)    | (815) | (445)      |

Tax effects relating to each component of other comprehensive income are as follows:

| For the year ended December 31,   |                   | 2020          |               | 2019              |               |                | 2018              |               |               |
|---|-------------------|---------------|---------------|-------------------|---------------|----------------|-------------------|---------------|---------------|
| (M\$)   | Pre-tax<br>amount | Tax<br>effect | Net<br>amount | Pre-tax<br>amount | Tax<br>effect | Net<br>amount  | Pre-tax<br>amount | Tax<br>effect | Net<br>amount |
| Actuarial gains and losses  | (212)             | 47            | (165)         | (192)             | 55            | (137)          | (12)              | 13            | 1             |
| Change in fair value of investments in equity instruments Currency translation adjustment generated by the parent company | 533<br>7,541      | 18            | 551<br>7,541  | 142<br>(1,533)    | (2)           | 140<br>(1,533) | - (4,022)         | -             | - (4.022)     |
| , , ,   | 7,341             | -             | 7,541         | (1,533)           | -             | (1,533)        | (4,022)           | -             | (4,022)       |
| Sub-total items not potentially reclassifiable to profit & loss   | 7,862             | 65            | 7,927         | (1,583)           | 53            | (1,530)        | (4,034)           | 13            | (4,021)       |
| Currency translation adjustment   | (4,645)           | -             | (4,645)       | 740               | -             | 740            | 1,113             | -             | 1,113         |
| Cash flow hedge   | (313)             | 79            | (234)         | (599)             | 202           | (397)          | 25                | (6)           | 19            |
| Variation of foreign currency basis spread  | 28                | (7)           | 21            | 1                 | -             | 1              | (80)              | 20            | (60)          |
| Share of other comprehensive income of equity affiliates, net amount  | (1,831)           | -             | (1,831)       | 408               | -             | 408            | (540)             | -             | (540)         |
| Other   | (8)               | -             | (8)           | (3)               | -             | (3)            | (5)               | -             | (5)           |
| Sub-total items potentially reclassifiable to profit & loss   | (6,769)           | 72            | (6,697)       | 547               | 202           | 749            | 513               | 14            | 527           |
| Total other comprehensive income  | 1,093             | 137           | 1,230         | (1,036)           | 255           | (781)          | (3,521)           | 27            | (3,494)       |

# Non-controlling interests

As of December 31, 2020, no subsidiary has non-controlling interests that would be material to the Group financial statements.

# 9.2) Share-based payments

#### **Accounting policies**

TOTAL SE may grant employees share subscription or purchase options plans, restricted share plans and offer its employees the opportunity to subscribe to reserved capital increases. These employee benefits are recognized as expenses with a corresponding credit to shareholders' equity.

The expense is equal to the fair value of the instruments granted. The expense is recognized on a straight-line basis over the period in which the advantages are acquired.

The fair value of the options is calculated using the Black-Scholes model at the grant date.

For restricted share plans, the fair value is calculated using the market price at the grant date after deducting the expected distribution rate during the vesting period.

The global cost is reduced to take into account the non-transferability over a 2-year holding period of the shares that could be awarded. The number of allocated equity instruments can be revised during the vesting period in cases of non-compliance with performance conditions, with the exception of those related to the market, or according to the rate of turnover of the beneficiaries.

The cost of employee-reserved capital increases is immediately expensed.

The cost of the capital increase reserved for employees consists of the cost related to the discount on the shares subscribed using the classic and/or the leveraged schemes, the cost of the free shares and the opportunity gain for the shares subscribed using the leveraged scheme, as applicable. This opportunity gain corresponds to the benefit of subscribing to the leveraged offer, rather than reproducing the same economic profile through the purchase of options in the market for individual investors.

The global cost is reduced to take into account the non-transferability of the shares that are subscribed by the employees over a period of five years.

### A. TOTAL share subscription or purchase option plans

| 2010 Plan 2011 Plan Total exercis                                   |                   |             |           |             | Weighted          |
|---|-------------------|-------------|-----------|-------------|-------------------|
| Date of the shareholders' 5/21/2010 5/21/2010                       |                   | 0040 PI     | 0044 PI   |             | average           |
| meeting 5/21/2010 5/21/2010   |                   | 2010 Plan   | 2011 Plan | lotai       | exercise<br>price |
| Award date (a) 9/14/2010 9/14/2011                                  |                   | 5/21/2010   | 5/21/2010 |             |                   |
|   | Award date (a)    | 9/14/2010   | 9/14/2011 |             |                   |
| Strike price 38.20 € 33.00 €  | Strike price      | 38.20 €     | 33.00 €   |             |                   |
| Expiry date 9/14/2018 9/14/2019                                     | Expiry date       | 9/14/2018   | 9/14/2019 |             |                   |
| Number of options   | Number of options |             |           |             | _                 |
| Existing options as of January 1, 1,950,372 490,568 2,440,940 37.15 |                   | 1,950,372   | 490,568   | 2,440,940   | 37.15€            |
| Granted   | Granted           | -           | -         | -           | -                 |
| Cancelled (b) - (79,139) - (79,139) 38.20                           | Cancelled (b)     | (79,139)    | -         | (79,139)    | 38.20€            |
| Exercised (1,871,233) (225,338) (2,096,571) 37.64                   | Exercised         | (1,871,233) | (225,338) | (2,096,571) | 37.64 €           |
| Existing options as of January 1, - 265,230 265,230 33.00           | <b>.</b> . , ,    | -           | 265,230   | 265,230     | 33.00 €           |
| Granted   | Granted           | -           | =         | -           | -                 |
| Cancelled (b) - (1,000) (1,000) 33.00                               | Cancelled (b)     | =           | (1,000)   | (1,000)     | 33.00€            |
| Exercised - (264,230) (264,230) 33.00                               | Exercised         | =           | (264,230) | (264,230)   | 33.00€            |
| Existing options as of January 1, n <sub>i</sub>                    |                   | -           | -         |             | n/a               |

<sup>(</sup>a) The grant date is the date of the Board meeting awarding the share subscription or purchase options.

Options granted as part of 2010 and 2011 Plans were exercisable, subject to a presence condition, after a 2-year period from the date of the Board meeting awarding the options and have expired eight years after this date. The underlying

<sup>(</sup>b) Out of the options canceled in 2018 and 2019, (i) 79,139 options that were not exercised expired on September 14, 2018 due to expiry of 2010 Plan and (ii) 1,000 options that were not exercised expired on September 14, 2019 due to expiry of 2011 Plan.

shares were not transferable during four years from the date of grant. The transfer restriction period did not apply to employees of non-French subsidiaries as of the date of the grant, who may have transferred the underlying shares after a 2-year period from the date of the grant.

The Combined General Meeting of May 29, 2020 authorised the Board of Directors, for a period of thirty-eight months to grant share subscription or purchase options. Since the 2011 Plan, the Board of Directors has not decided any new grant of TOTAL share subscription or purchase option plan. All the option plans have expired.

# B. TOTAL performance share plans

|   | 2015                          | 2016                            | 2017                            | 2018                  | 2019                           | 2020                             | Total                                   |
|---|-------------------------------|---------------------------------|---------------------------------|-----------------------|--------------------------------|----------------------------------|---|
| Date of the shareholders' meeting                   | 5/16/2014                     | 5/24/2016                       | 5/24/2016                       | 5/24/2016             | 6/1/2018                       | 1/6/2018                         |   |
| Award date  | 7/28/2015                     | 7/27/2016                       | 7/26/2017                       | 3/14/2018             | 3/13/2019                      | 3/18/2020                        |   |
| Date of the final award (end of the vesting period) | 7/29/2018                     | 7/28/2019                       | 7/27/2020                       | 3/15/2021             | 3/14/2022                      | 3/20/2023                        |   |
| Transfer authorized as from                         | 7/29/2020                     | 7/29/2021                       | 7/28/2022                       | 3/16/2023             | 3/15/2024                      | 3/21/2025                        |   |
| Grant date IFRS 2 fair value                        | 35.90 €                       | 35.37 €                         | 35.57 €                         | 36.22 €               | 40.11 €                        | 12.40 €                          |   |
| Number of performance shares                        |                               |                                 |                                 |                       |                                |                                  |   |
| Outstanding as of January 1, 2018                   | 4,697,305                     | 5,607,100                       | 5,679,039                       | -                     | -                              | -                                | 15,983,444                              |
| Notified Cancelled Finally granted                  | -<br>(621,568)<br>(4,075,737) | -<br>(61,840)<br>(2,040)        | -<br>(26,640)<br>(1,480)        | 6,083,145<br>(12,350) | -<br>-<br>-                    | -                                | 6,083,145<br>(722,398)<br>(4,079,257)   |
| Outstanding as of January 1, 2019                   | -                             | 5,543,220                       | 5,650,919                       | 6,070,795             | -                              | -                                | 17,264,934                              |
| Notified Cancelled Finally granted                  | -<br>-<br>-                   | -<br>(1,267,392)<br>(4,275,828) | (41,220)<br>(1,840)             | (41,260)<br>(1,100)   | 6,447,069<br>(39,246)<br>(180) | -<br>-<br>-                      | 6,447,069<br>(1,389,118)<br>(4,278,948) |
| Outstanding as of January 1, 2020                   | -                             | -                               | 5,607,859                       | 6,028,435             | 6,407,643                      | -                                | 18,043,937                              |
| Notified Cancelled Finally granted                  | -<br>-<br>-                   | -<br>-<br>-                     | -<br>(1,313,687)<br>(4,294,172) | (55,830)<br>(10,740)  | -<br>(44,289)<br>(10,890)      | 6,727,352<br>(18,691)<br>(1,773) | 6,727,352<br>(1,432,497)<br>(4,317,575) |
| Outstanding as of December 31, 2020                 | -                             | -                               | -                               | 5,961,865             | 6,352,464                      | 6,706,888                        | 19,021,217                              |

The performance shares, which are bought back by the TOTAL SE on the market, are finally granted to their beneficiaries after a 3-year vesting period, from the date of the grant. The final grant is subject to a continued employment condition as well as:

- two performance conditions for the 2015 to 2018 Plans,
- three performance conditions for the 2019 Plan, and
- four performance conditions for the 2020 Plan.

Moreover, the transfer of the performance shares finally granted will not be permitted until the end of a 2-year holding period from the date of the final grant.

#### 2020 Plan

On March 18, 2020, the Board of Directors granted performance shares to certain employees and executive directors of the Company or Group companies, subject to the fulfilment of the continued employment condition and four performance conditions.

The presence condition applies to all shares.

The performance conditions apply differently depending of the capacity of the beneficiaries. If all shares granted to senior executives are subject to performance conditions, the grant of the first 150 shares to non-senior executive are not subject to the performance condition abovementioned, which will, nonetheless, apply to any shares granted above this threshold.

The definitive number of granted shares will be based on the TSR (Total Shareholder Return), the annual variation of the net cash flow by share in dollars, the pre-dividend organic cash breakeven, as well as the change in the greenhouse gas emissions (GHG) on operated oil & gas facilities, for fiscal years 2020, 2021 and 2022, applied as follows:

- for 1/4 of the shares, the Company will be ranked against its peers (ExxonMobil, Royal Dutch Shell, BP and Chevron) each year during the three vesting years (2020, 2021 and 2022) based on the TSR criterion of the last quarter of the year in question, the dividend being considered reinvested based on the closing price on the ex-dividend date.
- for 1/4 of the shares, the Company will be ranked each year against its peers (ExxonMobil, Royal Dutch Shell, BP and Chevron) during the three vesting years (2020, 2021 and 2022) using the annual variation in net cash flow per share criterion expressed in dollar.

Based on the ranking, a grant rate will be determined for each year for these first two criteria:

| Ranking                                    | Grant rate |
|--|------------|
| 1 <sup>st</sup> place                      | 180%       |
| 2 <sup>nd</sup> place                      | 130%       |
| 3 <sup>rd</sup> place                      | 80%        |
| 4 <sup>th</sup> and 5 <sup>th</sup> places | 0%         |

- for 1/4 of the shares, the pre-dividend organic cash breakeven criterion will be assessed during the three vesting
  years (2020, 2021 and 2022) as follows. The pre-dividend organic cash breakeven is defined as the Brent price
  for which the operating cash flow before working capital changes covers the organic investments. The ability of
  the Group to resist to the variations of the Brent barrel price is measured by this parameter.
  - the maximum grant rate will be reached if the breakeven is less than or equal to \$30/b,
  - the grant rate will be zero if the breakeven is greater than or equal to \$40/b,
  - the interpolations will be linear between these two points of reference.
- for 1/4 of the shares, the change in the GHG on operated oil & gas facilities will be assessed each year as regard to the achievement of the target to reduce the GHG emissions (Scope 1 and Scope 2) set for fiscal years 2020, 2021 and 2022 and corresponding to 43 Mt CO<sub>2</sub>e for 2020, 42.4 Mt CO<sub>2</sub>e for 2021 and 41.8 Mt CO<sub>2</sub>e for 2022.
  - the maximum grant rate will be reached if the GHG emissions (Scope 1 and Scope 2) on operated oil & gas facilities target has been achieved,
  - the grant rate will be zero if the GHG emissions of the year considered are 1 Mt CO<sub>2</sub>e above the set target.
  - the interpolations will be linear between these points of reference.

A grant rate will be determined for each year.

For each of the four criteria, the average of the three grant rates obtained (for each of the three fiscal years for which the performance conditions are assessed) will be rounded to the nearest 0.1 whole percent (0.05% being rounded to 0.1%) and capped at 100%.

Each criterion will have a weight of 1/4 in the definitive grant rate. The definitive grant rate will also be rounded to the nearest 0.1 whole percent (0.05% being rounded to 0.1%). The number of shares definitively granted, after confirmation of the performance conditions, will be rounded up to the nearest whole number of shares in case of a fractional share.

#### C. SunPower Plans

During fiscal year 2020, SunPower had one stock incentive plan: the SunPower Corporation 2015 Omnibus Incentive Plan ("2015 Plan"). The 2015 Plan was adopted by SunPower's Board of Directors in February 2015 and approved by shareholders in June 2015. The 2015 Plan allows for the grant of options, as well as grant of stock appreciation rights, restricted stock grants, restricted stock units and other equity rights. The 2015 Plan also allows for tax withholding obligations related to stock option exercises or restricted stock awards to be satisfied through the retention of shares otherwise released upon vesting.

The 2015 Plan includes an automatic annual increase mechanism equal to the lower of three percent of the outstanding shares of all classes of SunPower's common stock measured on the last day of the immediately preceding fiscal year, 6 million shares, or such other number of shares as determined by SunPower's Board of Directors. In fiscal year 2015, SunPower's Board of Directors voted to reduce the stock incentive plan's automatic increase from 3% to 2% for 2016. As of December 31, 2020, approximately 18.0 million shares were available for grant under the 2015 Plan.

Incentive stock options, nonstatutory stock options, and stock appreciation rights may be granted at no less than the fair value of the common stock on the date of grant. The options and rights become exercisable when and as determined by SunPower's Board of Directors, although these terms generally do not exceed ten years for stock options. SunPower has not granted stock options since fiscal year 2008. All previously granted stock options have been exercised or expired and accordingly no options remain outstanding. Under the 2015 Plan, the restricted stock grants and restricted stock units typically vest in equal installments annually over three or four years.

The majority of shares issued are net of the minimum statutory withholding requirements that SunPower pays on behalf of its employees. During fiscal years 2020, 2019, and 2018, SunPower withheld 1.3 million, 0.8 million, and 0.7 million shares, respectively, to satisfy the employees' tax obligations. SunPower pays such withholding requirements in cash to the appropriate taxing authorities. Shares withheld are treated as common stock repurchases for accounting and disclosure purposes and reduce the number of shares outstanding upon vesting.

There were no options outstanding and exercisable as of December 31, 2020. The intrinsic value of the options exercised in fiscal years 2020, 2019, and 2018, were zero. There were no stock options granted in fiscal years 2020, 2019, and 2018.

The following table summarizes SunPower's restricted stock activities:

|                                     | Restricted Stock Awards a     | Restricted Stock Awards and Units   |  |  |  |
|-------------------------------------|-------------------------------|---|--|--|--|
|                                     | Shares (in thousands) Weighte | ed-Average Grant Date<br>air Value Per Share (in<br>dollars) <sup>(a)</sup> |  |  |  |
| Outstanding as of January 1st, 2018 | 7,293                         | 11.83   |  |  |  |
| Granted                             | 4,449                         | 7.77  |  |  |  |
| Vested (b)                          | (2,266)                       | 14.45   |  |  |  |
| Forfeited                           | (1,816)                       | 10.10   |  |  |  |
| Outstanding as of January 1st, 2019 | 7,660                         | 9.11  |  |  |  |
| Granted                             | 5,430                         | 6.82  |  |  |  |
| Vested (b)                          | (2,460)                       | 9.65  |  |  |  |
| Forfeited                           | (1,304)                       | 8.28  |  |  |  |
| Outstanding as of January 1st, 2020 | 9,326                         | 7.75  |  |  |  |
| Granted                             | 12,797                        | 11.10   |  |  |  |
| Vested (b)                          | (3,596)                       | 9.88  |  |  |  |
| Forfeited                           | (11,360)                      | 7.07  |  |  |  |
| Outstanding as of December 31, 2020 | 7,167                         | 13.75   |  |  |  |

<sup>(</sup>a) SunPower estimates the fair value of the restricted stock unit awards as the stock price on the grant date.

<sup>(</sup>b) Restricted stock awards and units vested include shares withheld on behalf of employees to satisfy the minimum statutory tax withholding requirements.

# D. Share-based payment expense

Share-based payment expense before tax was broken down as follows:

#### As of December 31,

| (M\$)                                   | 2020 | 2019 | 2018 |
|---|------|------|------|
| Total restricted shares plans           | 176  | 180  | 264  |
| SunPower plans                          | 26   | 26   | 21   |
| Capital increase reserved for employees | 12   | 27   | 30   |
| Total                                   | 214  | 233  | 315  |

The main assumptions used for the valuation of the cost of the capital increase reserved for employees in 2020 were the following:

| For the year ended December 31,                               | 2020               |
|---|--------------------|
| Date of the Board of Directors meeting that decided the issue | September 18, 2019 |
| Reference price (€) (a)                                       | 32.75              |
| Subscription price (€) (b)                                    | 26.20              |
| Number of shares issued (in millions) (c)                     | 13.16              |
| Risk free interest rate over five years (%)                   | (0.392)            |
| Employees loan financing rate (%) <sup>(d)</sup>              | 4.73               |
| Non transferability cost (% of the reference's share price)   | 19.27              |

- (a) Average of the closing prices of the TOTAL shares over the twenty trading sessions preceding April 29th, 2020, being the date of the Chairman and CEO's decision setting the price and opening date of the subscription period.
- (b) Reference price, reduced by a 20% discount and rounded off to the highest tenth of a euro.
- (c) Including the free shares issued.
- (d) Average of 5 year consumer's credit rates.

# 10) Payroll, staff and employee benefits obligations

# 10.1) Employee benefits obligations

### **Accounting policies**

In accordance with the laws and practices of each country, the Group participates in employee benefit plans offering retirement, death and disability, healthcare and special termination benefits. These plans provide benefits based on various factors such as length of service, salaries, and contributions made to the governmental bodies responsible for the payment of benefits.

These plans can be either defined contribution or defined benefit pension plans and may be entirely or partially funded with investments made in various non-Group instruments such as mutual funds, insurance contracts, and other instruments.

For defined contribution plans, expenses correspond to the contributions paid.

Defined benefit obligations are determined according to the Projected Unit Method. Actuarial gains and losses may arise from differences between actuarial valuation and projected commitments (depending on new calculations or assumptions) and between projected and actual return of plan assets. Such gains and losses are recognized in the statement of comprehensive income, with no possibility to subsequently recycle them to the income statement.

The past service cost is recorded immediately in the statement of income, whether vested or unvested.

The net periodic pension cost is recognized under "Other operating expenses".

Liabilities for employee benefits obligations consist of the following:

#### As of December 31,

| (M\$)  | 2020  | 2019  | 2018  |
|--|-------|-------|-------|
| Pension benefits liabilities                     | 3,111 | 2,651 | 2,545 |
| Other benefits liabilities                       | 700   | 742   | 669   |
| Restructuring reserves (early retirement plans)  | 106   | 108   | 149   |
| Total  | 3,917 | 3,501 | 3,363 |
| Net liabilities relating to assets held for sale | 1     | -     | -     |

### Description of plans and risk management

The Group operates, for the benefit of its current and former employees, both defined benefit plans and defined contribution plans.

The Group recognized a charge of \$135 million for defined contribution plans in 2020 (\$133 million in 2019 and \$130 million in 2018).

The Group's main defined benefit pension plans are located in France, the United Kingdom, the United States, Belgium and Germany. Their main characteristics, depending on the country-specific regulatory environment, are the following:

- the benefits are usually based on the final salary and seniority;
- they are usually funded (pension fund or insurer);
- they are usually closed to new employees who benefit from defined contribution pension plans;
- they are paid in annuity or in lump sum.

The pension benefits include also termination indemnities and early retirement benefits. The other benefits are employer contributions to post-employment medical care.

In order to manage the inherent risks, the Group has implemented a dedicated governance framework to ensure the supervision of the different plans. These governance rules provide for:

- the Group's representation in key governance bodies or monitoring committees;
- the principles of the funding policy;
- the general investment policy, including for most plans:
  - the establishment of a monitoring committee to define and follow the investment strategy and performance,
  - the principles in respect of investment allocation are respected;
- a procedure to approve the establishment of new plans or the amendment of existing plans;
- the principles of administration, communication and reporting.

# Change in benefit obligations and plan assets

The fair value of the defined benefit obligation and plan assets in the Consolidated Financial Statements is detailed as follows:

| As of December 31,                                       | Pens     | Pension benefits |          |      |      | Other benefits |  |  |
|--|----------|------------------|----------|------|------|----------------|--|--|
| (M\$)  | 2020     | 2019             | 2018     | 2020 | 2019 | 2018           |  |  |
| Change in benefit obligation                             |          |                  |          |      |      |                |  |  |
| Benefit obligation at beginning of year                  | 12,285   | 11,501           | 12,872   | 742  | 669  | 705            |  |  |
| Current service cost                                     | 244      | 214              | 236      | 19   | 13   | 14             |  |  |
| Interest cost  | 217      | 295              | 296      | 11   | 17   | 17             |  |  |
| Past service cost  | -        | 4                | (1)      | -    | -    | (2)            |  |  |
| Settlements  | (10)     | (20)             | (141)    | (3)  | (9)  | -              |  |  |
| Plan participants' contributions                         | 10       | 7                | 8        | -    | -    | -              |  |  |
| Benefits paid  | (702)    | (667)            | (902)    | (27) | (26) | (28)           |  |  |
| Actuarial losses / (gains)                               | 818      | 847              | (372)    | (89) | 87   | (29)           |  |  |
| Foreign currency translation and other                   | 729      | 104              | (495)    | 47   | (9)  | (8)            |  |  |
| Benefit obligation at year-end                           | 13,591   | 12,285           | 11,501   | 700  | 742  | 669            |  |  |
| Of which plans entirely or partially funded              | 12,830   | 11,584           | 10,864   | -    | -    | -              |  |  |
| Of which plans not funded                                | 761      | 701              | 637      | 700  | 742  | 669            |  |  |
| Change in fair value of plan assets                      |          |                  |          |      |      |                |  |  |
| Fair value of plan assets at beginning of year           | (9,769)  | (9,145)          | (10,205) | -    | -    | -              |  |  |
| Interest income  | (191)    | (255)            | (261)    | -    | -    | -              |  |  |
| Actuarial losses / (gains)                               | (517)    | (745)            | 424      | -    | -    | -              |  |  |
| Settlements  | 2        | 11               | 129      | -    | -    | -              |  |  |
| Plan participants' contributions                         | (10)     | (7)              | (8)      | -    | -    | -              |  |  |
| Employer contributions                                   | (229)    | (172)            | (417)    | -    | -    | -              |  |  |
| Benefits paid  | 622      | 573              | 778      | -    | -    | -              |  |  |
| Foreign currency translation and other                   | (488)    | (29)             | 415      | -    | -    |                |  |  |
| Fair value of plan assets at year-end                    | (10,580) | (9,769)          | (9,145)  | -    | -    | -              |  |  |
| Unfunded status  | 3,011    | 2,516            | 2,356    | 700  | 742  | 669            |  |  |
| Asset ceiling  | 36       | 34               | 28       | -    | -    |                |  |  |
| Net recognized amount                                    | 3,047    | 2,550            | 2,384    | 700  | 742  | 669            |  |  |
| Pension benefits and other benefits liabilities          | 3,111    | 2,651            | 2,545    | 700  | 742  | 669            |  |  |
| Other non-current assets                                 | (65)     | (101)            | (161)    | -    | -    | -              |  |  |
| Net benefit liabilities relating to assets held for sale | 1        | -                | -        | -    | -    |                |  |  |

As of December 31, 2020, the contribution from the main geographical areas for the net pension liability in the balance sheet is: 69% for the Euro area, 15% for the United Kingdom and 12% for the United States.

The amounts recognized in the consolidated income statement and the consolidated statement of comprehensive income for defined benefit plans are detailed as follows:

| For the year ended December 31,                          | Pensi | Pension benefits |       |      | Other benefits |      |  |
|--|-------|------------------|-------|------|----------------|------|--|
| (M\$)  | 2020  | 2019             | 2018  | 2020 | 2019           | 2018 |  |
| Current service cost                                     | 244   | 214              | 236   | 19   | 13             | 14   |  |
| Past service cost  | -     | 4                | (1)   | -    | -              | (2)  |  |
| Settlements  | (7)   | (10)             | (12)  | (3)  | (9)            | -    |  |
| Net interest cost  | 25    | 39               | 35    | 11   | 17             | 17   |  |
| Benefit amounts recognized on Profit & Loss              | 262   | 247              | 258   | 27   | 21             | 29   |  |
| - Actuarial (Gains) / Losses                             |       |                  |       |      |                |      |  |
| * Effect of changes in demographic assumptions           | (12)  | (166)            | (1)   | (3)  | (2)            | (21) |  |
| * Effect of changes in financial assumptions             | 773   | 1,071            | (354) | (1)  | 89             | (3)  |  |
| * Effect of experience adjustments                       | 57    | (59)             | (17)  | (85) | -              | (5)  |  |
| * Actual return on plan assets                           | (517) | (745)            | 424   | -    | -              | -    |  |
| - Effect of asset ceiling                                | -     | 3                | (11)  | -    | -              |      |  |
| Benefit amounts recognized on Equity                     | 301   | 104              | 41    | (89) | 87             | (29) |  |
| Total benefit amounts recognized on comprehensive income | 563   | 351              | 299   | (62) | 108            | -    |  |

### **Expected future cash outflows**

The average duration of accrued benefits is approximately 14 years for defined pension benefits and 17 years for other benefits. The Group expects to pay contributions of \$228 million in respect of funded pension plans in 2021.

Estimated future benefits either financed from plan assets or directly paid by the employer are detailed as follows:

### **Estimated future payments**

| (M\$)     | Pension benefits | Other benefits |
|-----------|------------------|----------------|
| 2021      | 874              | 37             |
| 2022      | 502              | 29             |
| 2023      | 426              | 28             |
| 2024      | 405              | 26             |
| 2025      | 392              | 26             |
| 2026-2030 | 2,243            | 130            |

# Type of assets

| Asset allocation As of December 31, | Pensi | Pension benefits |      |  |  |  |
|-------------------------------------|-------|------------------|------|--|--|--|
|                                     | 2020  | 2019             | 2018 |  |  |  |
| Equity securities                   | 25%   | 25%              | 24%  |  |  |  |
| Debt securities                     | 45%   | 46%              | 47%  |  |  |  |
| Monetary                            | 2%    | 1%               | 1%   |  |  |  |
| Annuity contracts                   | 20%   | 20%              | 20%  |  |  |  |
| Real estate                         | 8%    | 8%               | 8%   |  |  |  |

Investments on equity and debt markets are quoted on active markets.

# Main actuarial assumptions and sensitivity analysis

| Assumptions used to determine benefits obligations | Pens  | ion benefits | ;     | Oth   | er benefits |       |
|--|-------|--------------|-------|-------|-------------|-------|
| As of December 31,                                 | 2020  | 2019         | 2018  | 2020  | 2019        | 2018  |
| Discount rate (weighted average for all regions)   | 1.28% | 1.84%        | 2.68% | 1.41% | 1.71%       | 2.56% |
| Of which Euro zone                                 | 0.52% | 0.73%        | 1.72% | 0.68% | 0.94%       | 1.87% |
| Of which United States                             | 2.50% | 3.25%        | 4.00% | 2.50% | 3.25%       | 4.00% |
| Of which United Kingdom                            | 1.50% | 2.25%        | 3.00% | -     | -           | -     |
| Inflation rate (weighted average for all regions)  | 2.06% | 2.20%        | 2.44% | -     | -           | -     |
| Of which Euro zone                                 | 1.24% | 1.21%        | 1.50% | -     | -           | -     |
| Of which United States                             | 2.50% | 2.50%        | 2.50% | -     | -           | -     |
| Of which United Kingdom                            | 3.00% | 3.25%        | 3.50% | -     | -           | _     |

The discount rate retained is determined by reference to the high quality rates for AA-rated corporate bonds for a duration equivalent to that of the obligations. It derives from a benchmark per monetary area of different market data at the closing date.

Sensitivity to inflation in respect of defined benefit pension plans is not material in the United States.

A 0.5% increase or decrease in discount rates – all other things being equal - would have the following approximate impact on the benefit obligation:

| (M\$)                                      | 0.5% Increase | 0.5% Decrease |
|--|---------------|---------------|
| Benefit obligation as of December 31, 2020 | (908)         | 1,001         |

A 0.5% increase or decrease in inflation rates – all other things being equal - would have the following approximate impact on the benefit obligation:

| (M\$)                                      | 0.5% Increase | 0.5% Decrease |
|--|---------------|---------------|
| Benefit obligation as of December 31, 2020 | 613           | (568)         |

# 10.2) Payroll and staff

| For the year ended December 31,               | 2020    | 2019    | 2018    |
|---|---------|---------|---------|
| Personnel expenses (M\$)                      |         |         |         |
| Wages and salaries (including social charges) | 8,908   | 8,922   | 9,099   |
| Group employees at December 31,               |         |         |         |
| France (DROM COM includ.)                     |         |         |         |
| Management                                    | 14,016  | 13,848  | 13,484  |
| • Other                                       | 21,886  | 22,831  | 22,929  |
| International                                 |         |         |         |
| Management                                    | 17,102  | 16,821  | 16,856  |
| • Other                                       | 52,472  | 54,276  | 51,191  |
| Total   | 105,476 | 107,776 | 104,460 |

The number of employees includes only employees of fully consolidated subsidiaries.

2019 and 2018 data were restated to show number of employees of France including DROM COM (overseas departments, regions and communities).

# 11) Income taxes

### **Accounting policies**

Income taxes disclosed in the statement of income include current tax expenses (or income) and deferred tax expenses (or income).

Current tax expenses (or income) are the estimated amount of the tax due for the taxable income of the period.

Deferred income taxes are recorded based on the temporary differences between the carrying amounts of assets and liabilities recorded in the balance sheet and their tax bases, and on carry-forwards of unused tax losses and other tax credits.

Deferred tax assets and liabilities are measured using the tax rates that have been enacted or substantially enacted at the balance sheet date. The tax rates used depend on the timing of reversals of temporary differences, tax losses and other tax credits. The effect of a change in tax rate is recognized either in the Consolidated Statement of Income or in shareholders' equity depending on the item it relates to.

Deferred tax resulting from temporary differences between the carrying amounts of equity-method investments and their tax bases are recognized. The deferred tax calculation is based on the expected future tax effect (dividend distribution rate or tax rate on capital gains).

Income taxes are detailed as follows:

#### For the year ended December 31,

| (M\$)                 | 2020    | 2019    | 2018    |
|-----------------------|---------|---------|---------|
| Current income taxes  | (2,450) | (5,469) | (6,971) |
| Deferred income taxes | 2,132   | (403)   | 455     |
| Total income taxes    | (318)   | (5,872) | (6,516) |

Before netting deferred tax assets and liabilities by fiscal entity, the components of deferred tax balances are as follows:

### As of December 31,

| (M\$)                                       | 2020     | 2019     | 2018     |
|---|----------|----------|----------|
| Net operating losses and tax carry forwards | 5,106    | 3,752    | 3,779    |
| Employee benefits                           | 1,004    | 970      | 995      |
| Other temporary non-deductible provisions   | 9,068    | 8,660    | 8,409    |
| Differences in depreciations                | (14,641) | (16,029) | (15,469) |
| Other temporary tax deductions              | (3,847)  | (2,995)  | (2,541)  |
| Net deferred tax liability                  | (3,310)  | (5,642)  | (4,827)  |

The reserves of TOTAL subsidiaries that would be taxable if distributed but for which no distribution is planned, and for which no deferred tax liability has therefore been recognized, totaled \$10,155 million as of December 31, 2020.

Deferred tax assets not recognized as of December 31, 2020 amount to \$4,631 million as their future recovery was not regarded as probable given the expected results of the entities. Particularly in the Exploration & Production segment, when the affiliate or the field concerned is in its exploration phase, the net operating losses created during this phase will be useable only if a final investment and development decision is made. Accordingly, the time limit for the utilization of those net operating losses is not known.

Deferred tax assets not recognized relate notably to Canada for an amount of \$1,371 million, to France for an amount of \$1,197 million and to United States for an amount of \$307 million.

After netting deferred tax assets and liabilities by fiscal entity, deferred taxes are presented on the balance sheet as follows:

### As of December 31,

| (M\$)                    | 2020     | 2019     | 2018     |
|--------------------------|----------|----------|----------|
| Deferred tax assets      | 7,016    | 6,216    | 6,663    |
| Deferred tax liabilities | (10,326) | (11,858) | (11,490) |
| Net amount               | (3,310)  | (5,642)  | (4,827)  |

The net deferred tax variation in the balance sheet is analyzed as follows:

### As of December 31,

| (M\$)  | 2020    | 2019    | 2018    |
|--|---------|---------|---------|
| Opening balance                              | (5,642) | (4,827) | (5,622) |
| Deferred tax on income                       | 2,132   | (403)   | 455     |
| Deferred tax on shareholders' equity (a)     | 137     | 255     | 27      |
| Changes in scope of consolidation and others | 76      | (695)   | 151     |
| Currency translation adjustment              | (13)    | 28      | 162     |
| Closing balance                              | (3,310) | (5,642) | (4,827) |

<sup>(</sup>a) This amount includes mainly deferred taxes on actuarial gains and losses, current income taxes and deferred taxes for changes in fair value of investments inequity instruments, as well as deferred taxes related to the cash flow hedge (see Note 9 to the Consolidated Financial Statements).

# Reconciliation between provision for income taxes and pre-tax income:

# For the year ended December 31,

| (M\$)   | 2020    | 2019    | 2018    |
|---|---------|---------|---------|
| Consolidated net income                                     | (7,336) | 11,438  | 11,550  |
| Income taxes  | 318     | 5,872   | 6,516   |
| Pre-tax income  | (7,018) | 17,310  | 18,066  |
| French statutory tax rate                                   | 32.02%  | 34.43%  | 34.43%  |
| Theoretical tax charge                                      | 2,247   | (5,960) | (6,220) |
| Difference between French and foreign income tax rates      | (1,109) | (2,007) | (3,058) |
| Tax effect of equity in income (loss) of affiliates         | 145     | 1,173   | 1,080   |
| Permanent differences                                       | 665     | 1,422   | 1,740   |
| Adjustments on prior years income taxes                     | (31)    | 12      | (40)    |
| Adjustments on deferred tax related to changes in tax rates | (204)   | (270)   | 2       |
| Variation of deferred tax assets not recognized             | (2,031) | (242)   | (20)    |
| Income taxes in the statement of income                     | (318)   | (5,872) | (6,516) |

The French statutory tax rate includes the standard corporate tax rate (31.0%), additional and exceptional applicable taxes that bring the overall tax rate to 32.02% in 2020 (versus 34.43% in 2019 and 34.43% in 2018).

Permanent differences are mainly due to impairment of goodwill and to dividends from non-consolidated companies as well as the specific taxation rules applicable to certain activities.

# Net operating losses and carried forward tax credits

Deferred tax assets related to carried forward tax credits on net operating losses expire in the following years:

# As of December 31,

| (M\$)               | 2020  | 2019  | 2018  |
|---------------------|-------|-------|-------|
| 2019                |       |       | 90    |
| 2020                |       | 71    | 70    |
| 2021                | 69    | 48    | 38    |
| 2022                | 26    | 27    | 32    |
| 2023 <sup>(a)</sup> | 7     | 19    | 1,423 |
| 2024 <sup>(b)</sup> | 2     | 1,310 |       |
| 2025 and after      | 1,643 |       |       |
| Unlimited           | 3,359 | 2,277 | 2,126 |
| Total               | 5,106 | 3,752 | 3,779 |

<sup>(</sup>a) 2023 and after for 2018.

As of December 31, 2020 the schedule of deferred tax assets related to carried forward tax credits on net operating losses for the main countries is as follows:

| As of December 31, 2020 |           | Tax           |        |        |                   |  |  |
|-------------------------|-----------|---------------|--------|--------|-------------------|--|--|
| (M\$)                   | Australia | United States | Canada | France | United<br>Kingdom |  |  |
| 2021                    |           |               |        |        |                   |  |  |
| 2022                    |           |               |        |        |                   |  |  |
| 2023                    |           |               |        |        |                   |  |  |
| 2024                    |           |               | 17     |        |                   |  |  |
| 2025 and after          |           | 420           | 1,084  |        |                   |  |  |
| Unlimited               | 1,140     | 536           |        | 900    | 184               |  |  |
| Total                   | 1,140     | 956           | 1,101  | 900    | 184               |  |  |

<sup>(</sup>b) 2024 and after for 2019.

# 12) Provisions and other non-current liabilities

# 12.1) Provisions and other non-current liabilities

### **Accounting policies**

A provision is recognized when the Group has a present obligation, legal or constructive, as a result of a past event for which it is probable that an outflow of resources will be required and when a reliable estimate can be made regarding the amount of the obligation. The amount of the liability corresponds to the best possible estimate.

Provisions and non-current liabilities are comprised of liabilities for which the amount and the timing are uncertain. They arise from environmental risks, legal and tax risks, litigation and other risks.

### As of December 31,

| (M\$)   | 2020   | 2019   | 2018   |
|---|--------|--------|--------|
| Litigations and accrued penalty claims  | 320    | 386    | 736    |
| Provisions for environmental contingencies  | 960    | 742    | 862    |
| Asset retirement obligations  | 15,368 | 14,492 | 14,286 |
| Other non-current provisions  | 2,868  | 2,927  | 3,144  |
| of which restructuring activities   | 293    | 135    | 134    |
| of which financial risks related to non-consolidated and equity consolidated affiliates | 134    | 130    | 100    |
| of which contingency reserve on solar panels warranties (SunPower)                      | 82     | 140    | 173    |
| Other non-current liabilities   | 1,409  | 2,066  | 2,404  |
| Total   | 20,925 | 20,613 | 21,432 |

In 2020, litigation reserves amount to \$320 million of which \$208 million in the Exploration & Production, notably in Brazil and Angola.

In 2019, litigation reserves amounted to \$386 million of which \$286 million in the Exploration & Production, notably in Brazil, Angola and USA.

In 2018, litigation reserves amounted to \$736 million of which \$510 million was in the Exploration & Production, notably in Angola, Nigeria and Brazil.

Other non-current liabilities mainly include debts whose maturity is more than one year related to fixed assets acquisitions.

### Changes in provisions and other non-current liabilities

Changes in provisions and other non-current liabilities are as follows:

| (M\$)   | As of<br>January,<br>1st | Allowances | Reversals | Currency translation adjustment | Other | As of<br>December,<br>31 |
|---|--------------------------|------------|-----------|---------------------------------|-------|--------------------------|
| 2020  | 20,613                   | 1,756      | (1,378)   | 452                             | (518) | 20,925                   |
| of which asset retirement obligations               |                          | 607        | (519)     |                                 |       |                          |
| of which provisions for environmental contingencies |                          | 217        | (93)      |                                 |       |                          |
| of which provisions for restructuring of activities |                          | 271        | (135)     |                                 |       |                          |
| 2019  | 21,432                   | 1,248      | (2,414)   | (33)                            | 380   | 20,613                   |
| of which asset retirement obligations               |                          | 639        | (460)     |                                 |       |                          |
| of which provisions for environmental contingencies |                          | 30         | (92)      |                                 |       |                          |
| of which provisions for restructuring of activities |                          | 60         | (122)     |                                 |       |                          |
| 2018  | 15,986                   | 2,416      | (1,378)   | (519)                           | 4,927 | 21,432                   |
| of which asset retirement obligations               |                          | 530        | (320)     |                                 |       |                          |
| of which provisions for environmental contingencies |                          | 33         | (111)     |                                 |       |                          |
| of which provisions for restructuring of activities |                          | 149        | (106)     |                                 |       |                          |

#### Asset retirement obligations

### **Accounting policies**

Asset retirement obligations, which result from a legal or constructive obligation, are recognized based on a reasonable estimate in the period in which the obligation arises.

The associated asset retirement costs are capitalized as part of the carrying amount of the underlying asset and depreciated over the useful life of this asset.

An entity is required to measure changes in the liability for an asset retirement obligation due to the passage of time (accretion) by applying a risk-free discount rate to the amount of the liability. Given the long-term nature of expenditures related to our asset retirement obligations, the rate is determined by reference to the rates of high quality AA-rated corporate bonds on the USD area for a long-term horizon. The increase of the provision due to the passage of time is recognized as "Other financial expense".

The discount rate used for the valuation of asset retirement obligation is 3% in 2020 and 4.5% in 2019 and 2018 (the expenses are estimated at current currency values with an inflation rate of 1.5% in 2020, and of 2% in 2019 and 2018).

A decrease of 0.5% of this rate would increase the asset retirement obligation by \$1,442 million, with a corresponding impact in tangible assets, and with a negative impact of approximately \$78 million on the following years net income. Conversely, an increase of 0.5% would have a nearly symmetrical impact compared to the effect of the decrease of 0.5%.

Changes in the asset retirement obligation are as follows:

|       |            |           |             |             | Spending on | Currency    |       |              |
|-------|------------|-----------|-------------|-------------|-------------|-------------|-------|--------------|
|       | As of      |           | Revision in | New         | existing    | translation |       | As of        |
| (M\$) | January 1, | Accretion | estimates   | obligations | obligations | adjustment  | Other | December 31, |
| 2020  | 14,492     | 607       | 526         | 87          | (519)       | 284         | (109) | 15,368       |
| 2019  | 14,286     | 639       | (601)       | 567         | (460)       | 47          | 14    | 14,492       |
| 2018  | 12,240     | 530       | (458)       | 811         | (320)       | (364)       | 1,847 | 14,286       |

# 12.2) Other risks and contingent liabilities

TOTAL is not currently aware of any exceptional event, dispute, risks or contingent liabilities that could have a material impact on the assets and liabilities, results, financial position or operations of the Group.

# 13) Off balance sheet commitments and lease contracts

# 13.1) Off balance sheet commitments and contractual obligations

|  | Maturity and installment plants |             |             |             |  |
|--|---------------------------------|-------------|-------------|-------------|--|
| As of December 31, 2020  | Total                           | Less than 1 | Between 1   | More than 5 |  |
| (M\$)  | Total                           | year        | and 5 years | years       |  |
| Non-current debt obligations net of hedging instruments (Note 15)                    | 48,705                          | -           | 22,745      | 25,960      |  |
| Current portion of non-current debt obligations net of hedging instruments (Note 15) | 4,674                           | 4,674       | -           | -           |  |
| Lease obligations (Note 13.2)  | 8,943                           | , -         | 3,178       | 4,558       |  |
| Asset retirement obligations (Note 12)   | 15,368                          | 463         | 1,840       | 13,065      |  |
| Contractual obligations recorded in the balance sheet                                | 77,690                          | 6,344       | 27,763      | 43,583      |  |
| Lease obligations for low value assets, short term contracts or not yet commenced    |                                 |             |             |             |  |
| (Note 13.2)  | 1,745                           |             | 626         | 415         |  |
| Purchase obligations   | 143,177                         |             | 39,126      | 92,332      |  |
| Contractual obligations not recorded in the balance sheet                            | 144,922                         | 12,423      | 39,752      | 92,747      |  |
| Total of contractual obligations   | 222,612                         | 18,767      | 67,515      | 136,330     |  |
| Guarantees given to customs authorities  | 2,312                           | 2,189       | 60          | 63          |  |
| Guarantees given on borrowings   | 14,164                          | 746         | 3,660       | 9,758       |  |
| Indemnities related to sales of businesses   | 333                             | 179         | -           | 154         |  |
| Guarantees of current liabilities  | 147                             | 68          | 56          | 23          |  |
| Guarantees to customers / suppliers  | 19,182                          | 2,603       | 1,853       | 14,726      |  |
| Letters of credit  | 2,432                           | 2,297       | 135         | -           |  |
| Other operating commitments  | 23,879                          | 3,224       | 3,002       | 17,653      |  |
| Total of other commitments given   | 62,449                          | 11,306      | 8,766       | 42,377      |  |
| Mortgages and liens received   | 77                              | 28          | 24          | 25          |  |
| Sales obligations  | 80,521                          | 7,001       | 29,362      | 44,158      |  |
| Other commitments received   | 20,401                          | 15,270      | 1,474       | 3,657       |  |
| Total of commitments received  | 100,999                         | 22,299      | 30,860      | 47,840      |  |
| Of which commitments given relating to joint ventures                                | 34,920                          | 644         | 7,288       | 26,988      |  |
| Of which commitments given relating to associates                                    | 51,795                          | 999         | 8,664       | 42,132      |  |

|  | Maturity and installment plants |             |             |             |  |
|--|---------------------------------|-------------|-------------|-------------|--|
| As of December 31, 2019  | Total                           | Less than 1 | Between 1 N | lore than 5 |  |
| (M\$)  | iotai                           | year        | and 5 years | years       |  |
| Non-current debt obligations net of hedging instruments (Note 15)  | 40,931                          | -           | 19,888      | 21,043      |  |
| Current portion of non-current debt obligations net of hedging instruments (Note 15)   | 5,331                           | 5,331       | -           | -           |  |
| Lease obligations (Note 13.2)  | 7,465                           | 1,202       | 2,883       | 3,380       |  |
| Asset retirement obligations (Note 12)   | 14,492                          | 617         | 3,153       | 10,722      |  |
| Contractual obligations recorded in the balance sheet  | 68,219                          | 7,150       | 25,924      | 35,145      |  |
| Lease obligations for low value assets, short term contracts or not yet commenced  |                                 |             |             |             |  |
| (Note 13.2)  | 2,077                           | 536         | 879         | 662         |  |
| Purchase obligations   | 147,516                         | 10,763      | 38,189      | 98,564      |  |
| Contractual obligations not recorded in the balance sheet  | 149,593                         | 11,299      | 39,068      | 99,226      |  |
| Total of contractual obligations   | 217,812                         | 18,449      | 64,992      | 134,371     |  |
|  |                                 |             |             |             |  |
| Guarantees given to customs authorities  | 2,012                           | 1,876       | 17          | 119         |  |
| Guarantees given on borrowings   | 14,510                          | 306         | 7,372       | 6,832       |  |
| Guarantees related to sales of businesses  | 331                             | 163         | 16          | 152         |  |
| Guarantees of current liabilities  | 172                             | 79          | 60          | 33          |  |
| Guarantees to customers / suppliers  | 12,318                          | 1,435       | 2,169       | 8,714       |  |
| Letters of credit  | 2,786                           | 2,768       | 18          | -           |  |
| Other operating commitments  | 22,055                          | 3,240       | 1,202       | 17,613      |  |
| Total of other commitments given   | 54,184                          | 9,867       | 10,854      | 33,463      |  |
| A contained and a conflict and the confl | 0.5                             | 00          | 0.7         | 0.5         |  |
| Assets received as collateral (security interests)   | 85                              |             | 37          | 25          |  |
| Sales obligations  | 93,441                          | 7,135       | 31,330      | 54,976      |  |
| Other commitments received   | 22,358                          | -,          | 1,705       | 3,808       |  |
| Total of commitments received  | 115,884                         | ,           | 33,072      | 58,809      |  |
| Of which commitments given relating to joint ventures  | 39,055                          | 461         | 11,822      | 26,772      |  |

|  | Maturity and installments |             |             |             |  |
|--|---------------------------|-------------|-------------|-------------|--|
| As of December 31, 2018  | Total                     | Less than 1 | Between 1   | More than 5 |  |
| (M\$)  | Total                     | year        | and 5 years | years       |  |
| Non-current debt obligations net of hedging instruments (Note 15)                    | 37,784                    | -           | 19,072      | 18,712      |  |
| Current portion of non-current debt obligations net of hedging instruments (Note 15) | 5,027                     | 5,027       | -           | -           |  |
| Finance lease obligations (Note 13.2)  | 1,878                     | 213         | 468         | 1,197       |  |
| Asset retirement obligations (Note 12)   | 14,286                    | 844         | 3,388       | 10,054      |  |
| Contractual obligations recorded in the balance sheet                                | 58,975                    | 6,084       | 22,928      | 29,963      |  |
| Operating lease obligations (Note 13.2)  | 9,130                     | 1,644       | 3,691       | 3,795       |  |
| Purchase obligations   | 121,119                   | 9,708       | 30,652      | 80,759      |  |
| Contractual obligations not recorded in the balance sheet                            | 130,249                   | 11,352      | 34,343      | 84,554      |  |
| Total of contractual obligations   | 189,224                   | 17,436      | 57,271      | 114,517     |  |
|  |                           |             |             |             |  |
| Guarantees given to customs authorities  | 2,043                     | 1,904       | 12          | 127         |  |
| Guarantees given on borrowings   | 18,680                    | 169         | 68          | 18,443      |  |
| Indemnities related to sales of businesses   | 334                       | 165         | 10          | 159         |  |
| Guarantees of current liabilities  | 222                       | 83          | 74          | 65          |  |
| Guarantees to customers / suppliers  | 8,463                     | 1,222       | 847         | 6,394       |  |
| Letters of credit  | 3,515                     | 3,164       | 160         | 191         |  |
| Other operating commitments  | 29,416                    | 2,085       | 1,046       | 26,285      |  |
| Total of other commitments given   | 62,673                    | 8,792       | 2,217       | 51,664      |  |
| Mortgages and liens received   | 84                        | 23          | 33          | 28          |  |
| Sales obligations  | 91.695                    | 7,989       | 27,709      | 55,997      |  |
| Other commitments received   | 21,565                    | ,           | 1,328       |             |  |
| Total of commitments received  | 113,344                   | 23,539      | 29,070      |             |  |
| Of which commitments given relating to joint ventures                                | 42,768                    | 162         | 4,425       | 38,181      |  |
| Of which commitments given relating to associates                                    | 39,437                    | 773         | 8,378       | 30,286      |  |

### A. Contractual obligations

### **Debt obligations**

"Non-current debt obligations" are included in the items "Non-current financial debt" and "Non-current financial assets" of the Consolidated Balance Sheet. It includes the non-current portion of swaps hedging bonds, and excludes non-current lease obligations of \$7,736 million.

The current portion of non-current debt is included in the items "Current borrowings", "Current financial assets" and "Other current financial liabilities" of the Consolidated Balance Sheet. It includes the current portion of swaps hedging bonds, and excludes the current portion of lease obligations of \$1,207 million.

The information regarding contractual obligations linked to indebtedness is presented in Note 15 to the Consolidated Financial Statements.

#### Lease contracts

The information regarding leases is presented in Note 13.2 to the Consolidated Financial Statements.

### Asset retirement obligations

This item represents the discounted present value of Exploration & Production and Integrated Gas, Renewables & Power asset retirement obligations, primarily asset removal costs at the completion date. The information regarding contractual obligations linked to asset retirement obligations is presented in Note 12 to the Consolidated Financial Statements.

#### Purchase obligations

Purchase obligations are obligations under contractual agreements to purchase goods or services, including capital projects. These obligations are enforceable and legally binding on the company and specify all significant terms, including the amount and the timing of the payments.

These obligations mainly include: unconditional hydrocarbon purchase contracts (except where an active, highly-liquid market exists and when the hydrocarbons are expected to be re-sold shortly after purchase) in the Integrated Gas, Renewables & Power segment, reservation of transport capacities in pipelines, unconditional exploration works and

development works in the Exploration & Production segment, and contracts for capital investment projects in the Refining & Chemicals segment.

#### B. Other commitments given

### Guarantees given to customs authorities

These consist of guarantees given by the Group to customs authorities in order to guarantee the payments of taxes and excise duties on the importation of oil and gas products, mostly in France.

### Guarantees given on borrowings

The Group guarantees bank debt and lease obligations of certain non-consolidated subsidiaries and equity affiliates. Maturity dates vary, and guarantees will terminate on payment and/or cancellation of the obligation. A payment would be triggered by failure of the guaranteed party to fulfill its obligation covered by the guarantee, and no assets are held as collateral for these guarantees. As of December 31, 2020, the maturities of these guarantees are up to 2053.

As of December 31, 2020, the guarantees provided by TOTAL SE in connection with the financing of the Ichthys LNG project amount to \$4,912 million. As of December 31, 2019, the guarantees amounted to \$4,937 million.

As of December 31, 2020, the guarantees provided by TOTAL SE in connection with the financing of the Yamal LNG project for an amount of \$3,250 million by TOTAL SE. As of December 31, 2019, the guarantees amounted to \$3,688 million.

As of December 31, 2020, TOTAL SE has confirmed guarantees for TOTAL Refining SAUDI ARABIA SAS shareholders' advances for an amount of \$1,164 million. As of December 31, 2019, the guarantees amounted to \$1,184 million.

As of December 31, 2020, the guarantee given in 2008 by TOTAL SE in connection with the financing of the Yemen LNG project amounts to \$509 million as in 2019.

As of December 31, 2020, guarantees provided by TOTAL SE in connection with the financing of the Bayport Polymers LLC project, amount to \$1,820 million as in 2019.

# Indemnities related to sales of businesses

In the ordinary course of business, the Group executes contracts involving standard indemnities for the oil industry and indemnities specific to transactions such as sales of businesses. These indemnities might include claims against any of the following: environmental, tax and shareholder matters, intellectual property rights, governmental regulations and employment-related matters, and commercial contractual relationships. Performance under these indemnities would generally be triggered by a breach of terms of the contract or by a third party claim. The Group regularly evaluates the probability of having to incur costs associated with these indemnities.

### Other guarantees given

#### Non-consolidated subsidiaries

The Group also guarantees the current liabilities of certain non-consolidated subsidiaries. Performance under these guarantees would be triggered by a financial default of the entity.

### Operating agreements

As part of normal ongoing business operations and consistent with generally accepted industry practices, the Group enters into numerous agreements with other parties. These commitments are often entered into for commercial purposes, for regulatory purposes or for other operating agreements.

### C. Commitments received

# Sales obligations

These amounts represent binding obligations to sell goods, including in particular hydrocarbon sales contracts (except where an active, highly-liquid market exists and when the volumes are expected to be re-sold shortly after purchase).

# 13.2) Lease contracts

### **Accounting principles**

A lease contract is a contract that grants lessee the right to use an identified asset for a specified period of time in exchange for consideration. At lease inception, an asset corresponding to right of use and a debt are recognized in the lessee's balance sheet. Carrying value of right of use corresponds to present value of future lease payments plus any direct costs incurred for concluding the contract. Lease debt is recorded as a liability in the balance sheet under financial debts. Rights of use are depreciated over the useful lives applied by the Group.

Leases that are of short duration or that relate to low value assets are not recorded in the balance sheet, in accordance with the exemptions in the standard. They are presented as off-balance sheet commitments.

# > First-time application of IFRS 16 "Leases"

As part of the first application of IFRS 16 "Leases" as of January 1, 2019, the Group:

- applied the simplified retrospective transition method, accounting for the cumulative effect of the initial application of the standard at the date of first application, without restating the comparative periods;
- used the following simplification measures provided by the standard in the transitional provisions:
  - exclusion of contracts that the Group had not previously identified as containing a lease under IAS 17 and IFRIC 4.
  - o exclusion of leases whose term ends within 12 months of the date of first application;
- recognized each lease component as a separate lease, separately from non-lease components of the lease (services);
- applied the two exemptions of the standard on short-term leases and leases of low-value assets.

The impact of the application of this standard as at January 1, 2019 is \$5,698 million on fixed assets, \$(5,505) million on net debt and \$(193) million on other assets and liabilities. The weighted average incremental borrowing rate of 4.5% at transition date was determined on the basis of the initial duration of the contracts.

In 2019, the impact on fixed assets was broken down as follows:

(in M\$)

| Total   | 5,698 |
|---|-------|
| Other right of use  | 788   |
| Right of use of machinery, plant and equipment (including transportation equipment) | 2,632 |
| Right of use of buildings   | 2,278 |

The Group mainly leases real estate, retail stations, ships, and other equipment (see Note 7 to the Consolidated Financial Statements).

A- Reconciliation between the operating lease commitments disclosed under IAS17 at December 31, 2018 and the additional lease liabilities (IFRS 16) recognized on the balance sheet at January 1, 2019

Reconciliation between the operating lease commitments disclosed under IAS 17 at December 31, 2018 and the additional lease liabilities (IFRS 16) recognized on the balance sheet at January 1, 2019

The reconciliation is as follows:

| M\$  | January 1,<br>2019 |
|--|--------------------|
| Operating lease commitments at December 31, 2018                                     | 9,130              |
| Commitments relating to IFRS 16 exemptions:  | (417)              |
| - Low value assets   | (90)               |
| - Short-term leases  | (327)              |
| Leases not yet commenced at January 1, 2019  | (608)              |
| Commitments relating to service component of lease contracts                         | (760)              |
| Commitments relating to leases of non identified assets or substitute assets         | (628)              |
| Variable lease payments  | (6)                |
| Other impacts  | 204                |
| Impact of discounting  | (1,360)            |
| Additional lease liability on contracts previously accounted for as operating leases | 5,555              |
| Finance lease liability at December 31, 2018   | 1,878              |
| Total lease liability at January 1, 2019   | 7,433              |

Other information required on lease debts, notably their maturity, is presented in Note 15 to the consolidated financial statements.

# B- Future minimum lease payments on leases to which the Group is committed

The future minimum lease payments on leases to which the Group is committed are as follows:

| For the year ended Decem | ber 31. 2020 |
|--------------------------|--------------|
|--------------------------|--------------|

|   |                    | Leases recorded in |
|---|--------------------|--------------------|
| (M\$)                                   | Exempted contracts | balance sheet      |
| 2021                                    | 704                | 1,659              |
| 2022                                    | 252                | 1,366              |
| 2023                                    | 159                | 1,117              |
| 2024                                    | 118                | 1,022              |
| 2025                                    | 97                 | 964                |
| 2026 and beyond                         | 415                | 6,325              |
| Total minimum payments                  | 1,745              | 12,453             |
| Less financial expenses                 |                    | (3,510)            |
| Nominal value of contracts              |                    | 8,943              |
| Less current portion of lease contracts |                    | (1,207)            |
| Non-current lease liabilities           |                    | 7,736              |

# For the year ended December 31, 2019

| (M\$)                                   | Exempted contracts | Leases recorded in<br>balance sheet |
|---|--------------------|-------------------------------------|
| 2020                                    | 536                | 1,586                               |
| 2021                                    | 360                | 1,228                               |
| 2022                                    | 212                | 1,019                               |
| 2023                                    | 162                | 835                                 |
| 2024                                    | 145                | 766                                 |
| 2025 and beyond                         | 662                | 4,757                               |
| Total minimum payments                  | 2,077              | 10,191                              |
| Less financial expenses                 |                    | (2,726)                             |
| Nominal value of contracts              |                    | 7,465                               |
| Less current portion of lease contracts |                    | (1,202)                             |
| Non-current lease liabilities           |                    | 6,263                               |

### For the year ended December 31, 2018

| (M\$)   | Operating leases | Finance leases |
|---|------------------|----------------|
| 2019  | 1,644            | 263            |
| 2020  | 1,282            | 183            |
| 2021  | 967              | 182            |
| 2022  | 772              | 179            |
| 2023  | 669              | 179            |
| 2024 and beyond                                 | 3,796            | 1,826          |
| Total minimum payments                          | 9,130            | 2,812          |
| Less financial expenses                         |                  | (934)          |
| Nominal value of contracts                      |                  | 1,878          |
| Less current portion of finance lease contracts |                  | (213)          |
| Non-current finance lease liabilities           |                  | 1,665          |

For the year ended December 31, 2020, rental expense recorded in the income statement and incurred under short term leases or low value assets leases and under variable lease payments is \$600million and \$162 million, respectively.

For the year ended December 31, 2019, rental expense recorded in the income statement and incurred under short term leases or low value assets leases and under variable lease payments was \$366 million and \$132 million, respectively.

Rental expense recorded in the income statement and incurred under operating leases for the year ended December 31, 2018 was \$1,304 million.

# 14) Financial assets and liabilities analysis per instrument class and strategy

The financial assets and liabilities disclosed in the balance sheet are detailed as follows:

As of December 31, 2020 (M\$)

|   | Amortized cost | Fair value through P&L | Other Comprehensive Income | Fair value of<br>hedging<br>instruments | Total     | Fair value |
|---|----------------|------------------------|----------------------------|---|-----------|------------|
| Assets / (Liabilities)                    |                |                        |                            |   |           |            |
| Equity affiliates: loans                  | 5,129          | -                      |                            | -                                       | 5,129     | 5,129      |
| Other investments                         |                | - 1,224                | 783                        | -                                       | 2,007     | 2,007      |
| Non-current financial assets              | 1,019          | 541                    | -                          | 3,221                                   | 4,781     | 4,781      |
| Other non-current assets                  | 2,745          | 5 -                    |                            | -                                       | 2,745     | 2,745      |
| Accounts receivable, net(b)               | 14,068         | 3 -                    | -                          | -                                       | 14,068    | 14,068     |
| Other operating receivables               | 6,615          | 1,428                  | -                          | -                                       | 8,043     | 8,043      |
| Current financial assets                  | 4,547          | 7 65                   | -                          | 18                                      | 4,630     | 4,630      |
| Cash and cash equivalents                 | 31,268         | 3 -                    | -                          | -                                       | 31,268    | 31,268     |
| Total financial assets                    | 65,391         | 3,258                  | 783                        | 3,239                                   | 72,671    | 72,671     |
| Total non-financial assets                |                |                        |                            |   | 193,461   | -          |
| Total assets                              |                |                        |                            |   | 266,132   |            |
| Non-current financial debt <sup>(a)</sup> | (58,470        | ) (118)                | -                          | (1,615)                                 | (60,203)  | (66,210)   |
| Accounts payable <sup>(b)</sup>           | (23,574        | ) -                    | -                          | · · · · · ·                             | (23,574)  | (23,574)   |
| Other operating liabilities               | (10,635        | (3,666)                | -                          | (1)                                     | (14,302)  | (14,302)   |
| Current borrowings <sup>(a)</sup>         | (17,099        | -                      | -                          | -                                       | (17,099)  | (17,121)   |
| Other current financial liabilities       |                | - (99)                 | -                          | (104)                                   | (203)     | (203)      |
| Total financial liabilities               | (109,778       | ) (3,883)              | -                          | (1,720)                                 | (115,381) | (121,410)  |
| Total non-financial liabilities           |                |                        |                            |   | (150,751) | -          |
| Total liabilities                         |                |                        |                            |   | (266,132) | -          |

<sup>(</sup>a) The financial debt is adjusted to the hedged risks value (currency and interest rate) as part of hedge accounting (see Note 15 to the Consolidated Financial Statements).

The impact of offsetting on accounts receivable, net is \$(1,844) million and \$1,844 million on accounts payable.

As of December 31, 2019 (M\$)

|   | Amortized cost | Fair value through P&L | Other Comprehensive Income | Fair value of<br>hedging<br>instruments | Total     | Fair value |
|---|----------------|------------------------|----------------------------|---|-----------|------------|
| Assets / (Liabilities)                    |                |                        |                            |   |           |            |
| Equity affiliates: loans                  | 3,999          | -                      | -                          | -                                       | 3,999     | 3,999      |
| Other investments                         |                | - 1,272                | 506                        | -                                       | 1,778     | 1,778      |
| Non-current financial assets              | 164            | 4 236                  | -                          | 512                                     | 912       | 912        |
| Other non-current assets                  | 2,314          | 1 -                    | -                          | -                                       | 2,314     | 2,314      |
| Accounts receivable, net(b)               | 18,488         | 3 -                    | -                          | -                                       | 18,488    | 18,488     |
| Other operating receivables               | 6,713          | 3 4,791                | -                          | 2                                       | 11,506    | 11,506     |
| Current financial assets                  | 3,870          | 122                    | -                          | -                                       | 3,992     | 3,992      |
| Cash and cash equivalents                 | 27,352         | 2 -                    |                            | -                                       | 27,352    | 27,352     |
| Total financial assets                    | 62,900         | 6,421                  | 506                        | 514                                     | 70,341    | 70,341     |
| Total non-financial assets                |                |                        |                            |   | 202,953   | -          |
| Total assets                              |                |                        |                            |   | 273,294   | -          |
| Non-current financial debt <sup>(a)</sup> | (46,035        | ) (44)                 | -                          | (1,694)                                 | (47,773)  | (50,921)   |
| Accounts payable <sup>(b)</sup>           | (28,394        | ) -                    | -                          | -                                       | (28,394)  | (28,394)   |
| Other operating liabilities               | (10,927        | (5,333)                | -                          | (2)                                     | (16,262)  | (16,262)   |
| Current borrowings <sup>(a)</sup>         | (14,819        | ) -                    | -                          | -                                       | (14,819)  | (14,819)   |
| Other current financial liabilities       |                | - (63)                 | -                          | (424)                                   | (487)     | (487)      |
| Total financial liabilities               | (100,175       | (5,440)                | -                          | (2,120)                                 | (107,735) | (110,883)  |
| Total non-financial liabilities           | •              |                        | •                          | •                                       | (165,559) |            |
| Total liabilities                         | <u>-</u>       | <u> </u>               | <u>-</u>                   | <u>-</u>                                | (273,294) | -          |

- (a) The financial debt is adjusted to the hedged risks value (currency and interest rate) as part of hedge accounting (see Note 15 to the Consolidated Financial Statements).
- (b) The impact of offsetting on accounts receivable, net is \$(2,073) million and \$2,073 million on accounts payable.

# As of December 31, 2018 $(\ensuremath{\mathsf{M}}\ensuremath{\$})$

|   | Amortized cost | Fair value through P&L | Fair value through OCI - equity instruments | Fair value of<br>instruments hedge | Total     | Fair value |
|---|----------------|------------------------|---|------------------------------------|-----------|------------|
| Assets / (Liabilities)                    |                |                        |   |                                    |           |            |
| Equity affiliates: loans                  | 4,755          | -                      | -   | -                                  | 4,755     | 4,755      |
| Other investments                         |                | 1,059                  | 362   | -                                  | 1,421     | 1,421      |
| Non-current financial assets              |                | 67                     | -   | 613                                | 680       | 680        |
| Other non-current assets                  | 2,348          | -                      | -   | -                                  | 2,348     | 2,348      |
| Accounts receivable, net(b)               | 17,270         | -                      | -   | -                                  | 17,270    | 17,270     |
| Other operating receivables               | 6,994          | 2,731                  | -   | 8                                  | 9,733     | 9,733      |
| Current financial assets                  | 3,536          | 73                     | -   | 45                                 | 3,654     | 3,654      |
| Cash and cash equivalents                 | 27,907         |                        | -   | -                                  | 27,907    | 27,907     |
| Total financial assets                    | 62,810         | 3,930                  | 362   | 666                                | 67,768    | 67,768     |
| Total non-financial assets                |                |                        |   |                                    | 188,994   |            |
| Total assets                              |                |                        |   |                                    | 256,762   |            |
| Non-current financial debt <sup>(a)</sup> | (38,220)       | (29)                   | -   | (1,880)                            | (40,129)  | (41,281)   |
| Accounts payable <sup>(b)</sup>           | (26,134)       | -                      | -   | -                                  | (26,134)  | (26,134)   |
| Other operating liabilities               | (9,854)        | (3,429)                | -   | (3)                                | (13,286)  | (13,286)   |
| Current borrowings                        | (13,306)       | -                      | -   | -                                  | (13,306)  | (13,306)   |
| Other current financial liabilities       | -              | (183)                  | -   | (295)                              | (478)     | (478)      |
| Total financial liabilities               | (87,514)       | (3,641)                | -   | (2,178)                            | (93,333)  | (94,485)   |
| Total non-financial liabilities           |                |                        |   |                                    | (163,429) |            |
| Total liabilities                         |                |                        |   |                                    | (256,762) |            |

- (a) The financial debt is adjusted to the hedged risks value (currency and interest rate) as part of hedge accounting (see Note 15 to the Consolidated Financial Statements).
- (b) The impact of offsetting on accounts receivable, net is \$(2,903) million and \$2,903 million on accounts payable.

# 15) Financial structure and financial costs

# 15.1) Financial debt and derivative financial instruments

# A) Non-current financial debt and derivative financial instruments

# As of December 31, 2020

| (M\$)  | Secured | Unsecured | Total   |
|--|---------|-----------|---------|
| (Assets) / Liabilities   |         |           |         |
| Non-current financial debt   | 7,849   | 52,354    | 60,203  |
| of which hedging instruments of non-current financial debt (liabilities) | -       | 1,615     | 1,615   |
| Non-current financial assets   | (1,019) | (3,762)   | (4,781) |
| of which hedging instruments of non-current financial debt (assets)      |         | (3,221)   | (3,221) |
| Non-current net financial debt and related financial instruments         | 6,830   | 48,592    | 55,422  |
| Variable rate bonds or bonds after fair value hedge                      | -       | 16,553    | 16,553  |
| Fixed rate bonds or bonds after cash flow hedge                          | -       | 28,080    | 28,080  |
| Other floating rate debt   | 40      | 3,944     | 3,984   |
| Other fixed rate debt  | 73      | 438       | 511     |
| Lease obligations  | 7,736   | -         | 7,736   |
| Non-current financial assets excluding derivative financial instruments  | (1,019) | (432)     | (1,451) |
| Non-current instruments held for trading                                 | -       | 9         | 9       |
| Non-current net financial debt and related financial instruments         | 6,830   | 48,592    | 55,422  |
| (M\$)  | Secured | Unsecured | Total   |
| (Assets) / Liabilities   | 0.400   | 44.005    | 47.770  |
| Non-current financial debt   | 6,438   | 41,335    | 47,773  |
| of which hedging instruments of non-current financial debt (liabilities) | (464)   | 1,694     | 1,694   |
| Non-current financial assets   | (164)   | (748)     | (912)   |
| of which hedging instruments of non-current financial debt (assets)      |         | (512)     | (512)   |
| Non-current financial debt and related financial instruments             | 6,274   | 40,587    | 46,861  |
| Variable rate bonds or bonds after fair value hedge                      | -       | 19,340    | 19,340  |
| Fixed rate bonds or bonds after cash flow hedge                          | -       | 20,499    | 20,499  |
| Other floating rate debt   | 72      | 618       | 690     |
| Other fixed rate debt  | 103     | 322       | 425     |
| Lease obligations  | 6,263   | -         | 6,263   |
| Non-current financial assets excluding derivative financial instruments  | (164)   | (169)     | (333)   |
| Non-current instruments held for trading                                 | -       | (23)      | (23)    |
| Non-current financial debt and related financial instruments             | 6,274   | 40,587    | 46,861  |

# As of December 31, 2018

| (M\$)  | Secured | Unsecured | Total  |
|--|---------|-----------|--------|
| (Assets) / Liabilities   |         |           |        |
| Non-current financial debt   | 1,870   | 38,259    | 40,129 |
| of which hedging instruments of non-current financial debt (liabilities) | -       | 1,880     | 1,880  |
| Non-current financial assets   | -       | (680)     | (680)  |
| of which hedging instruments of non-current financial debt (assets)      | -       | (613)     | (613)  |
| Non-current financial debt and related financial instruments             | 1,870   | 37,579    | 39,449 |
|  | -       | -         | -      |
| Variable rate bonds or bonds after fair value hedge                      | -       | 20,570    | 20,570 |
| Fixed rate bonds or bonds after cash flow hedge                          | -       | 15,672    | 15,672 |
| Other floating rate debt   | 111     | 621       | 732    |
| Other fixed rate debt  | 94      | 754       | 848    |
| Financial lease obligations  | 1,665   | -         | 1,665  |
| Non-current instruments held for trading                                 | -       | (38)      | (38)   |
| Non-current financial debt and related financial instruments             | 1,870   | 37,579    | 39,449 |

In April 2020, the Group put in place a new committed syndicated credit line with banking counterparties for an initial amount of USD 6,350 million and with a 12-month tenor (with the option to extend twice by a further 6 months at TOTAL's hand). As of December 31 2020, the remaining balance of the committed syndicated credit line is USD 3,646 million and is included in line item "Other floating rate debt" (in "Non-current financial debt").

The bonds, as of December 31, 2020, after taking into account currency and interest rates swaps fair value, is detailed as follows:

|   | Currency of issuance | Amount after         | Amount               | Amount               | Range of<br>current<br>maturities | Range of initial current rate before hedging |
|---|----------------------|----------------------|----------------------|----------------------|-----------------------------------|--|
| Bonds after fair value hedge or variable rate bonds       |                      | hedging as of        | hedging as of        | hedging as of        |                                   | instruments                                  |
| (M\$)   |                      | December 31,<br>2020 | December 31,<br>2019 | December 31,<br>2018 |                                   |  |
|   |                      |                      |                      |                      |                                   |  |
| Bond  | USD                  | 6,253                | 6,276                | 6,276                | 2021 - 2028                       | 2.218% - 3.883%                              |
| Bond  | USD                  | -                    | 300                  | 750                  |                                   |  |
| Bond  | CHF                  | 410                  | 410                  | 204                  | 2026 - 2029                       | 0.176% - 0.298%                              |
| Bond  | NZD                  | -                    | 164                  | 252                  |                                   |  |
| Bond  | AUD                  | 377                  | 378                  | 699                  | 2021 - 2025                       | 4.000% - 4.250%                              |
| Bond  | EUR                  | 8,666                | 9,675                | 10,212               | 2021 - 2044                       | 0.250% - 3.125%                              |
| Bond  | EUR                  | -                    | 1,641                | 1,644                |                                   |  |
| Bond  | CAD                  | -                    | 92                   | 93                   |                                   |  |
| Bond  | GBP                  | 1,522                | 2,035                | 1,536                | 2022 - 2031                       | 1.405% - 2.250%                              |
| Bond  | GBP                  | -                    | -                    | 472                  |                                   |  |
| Bond  | HKD                  | 129                  | 128                  | 207                  | 2025                              | 2.920%                                       |
| Current portion (less than one year)                      |                      | (2,699)              | (3,661)              | (3,679)              |                                   |  |
| Principal financing entities <sup>(a)</sup>               |                      | 14,658               | 17,438               | 18,666               |                                   |  |
| TOTAL SE <sup>(b)</sup>                                   |                      | 1,200                | 1,203                | 1,203                | 2022                              | 0.500%                                       |
| Other consolidated subsidiaries                           |                      | 695                  | 699                  | 701                  |                                   |  |
| Total variable rate bonds or bonds after fair value hedge |                      | 16,553               | 19,340               | 20,570               |                                   |  |

| Bonds after cash flow hedge or fixed rate bonds       | Currency of issuance | Amount after         | Amount after         | Amount<br>after      | Range of<br>current<br>maturities | Range of initial current rate<br>before hedging |
|---|----------------------|----------------------|----------------------|----------------------|-----------------------------------|---|
| (M\$)   |                      | hedging as of        | hedging as of        | hedging as of        |                                   | instruments                                     |
|   |                      | December 31,<br>2020 | December 31,<br>2019 | December 31,<br>2018 |                                   |   |
| Bond  | EUR                  | 15,259               | 10,246               | 9,268                | 2024 - 2044                       | 0.696% - 5.125 %                                |
| Bond  | USD                  | 11,524               | 8,565                | 5,040                | 2021 - 2060                       | 2.829% - 4.250%                                 |
| Bond  | HKD                  | 208                  | 202                  | 187                  | 2026                              | 3.088%  |
| Bond  | CHF                  | 1,134                | 1,079                | 1,035                | 2024 - 2027                       | 0.510% - 1.010%                                 |
| Bond  | GBP                  | 998                  | 982                  | 326                  | 2024 - 2026                       | 1.250% - 1.660%                                 |
| Bond  | AUD                  | 9                    | 5                    | -                    | 2025                              | 4.000%  |
| Current portion (less than one year)                  |                      | (1,500)              | (1,250)              | (946)                |                                   |   |
| Principal financing entities <sup>(a)</sup>           |                      | 27,632               | 19,829               | 14,910               |                                   |   |
| Other consolidated subsidiaries                       |                      | 448                  | 670                  | 762                  |                                   |   |
| Total bonds after cash flow hedge or fixed rate bonds |                      | 28,080               | 20,499               | 15,672               |                                   |   |

- (a) All debt securities issued through the following subsidiaries are fully and unconditionally guaranteed by TOTAL SE as to payment of principal, premium, if any, interest and any other amounts due:
- TOTAL CAPITAL is a wholly and directly owned subsidiary of TOTAL SE (except for one share held by each director). It acts as a financing vehicle for the Group. The repayment of its financial debt (capital, premium and interest) is fully and unconditionally guaranteed by TOTAL SE.
- TOTAL CAPITAL CANADA Ltd. is a wholly and directly owned subsidiary of TOTAL SE. It acts as a financing vehicle for the activities of the Group in Canada. The repayment of its financial debt (capital, premium and interest) is fully and unconditionally guaranteed by TOTAL SE.
- TOTAL CAPITAL INTERNATIONAL is a wholly and directly owned subsidiary of TOTAL SE (except for one share held by each director). It acts as a financing vehicle for the Group. The repayment of its financial debt (capital, premium and interest) is fully and unconditionally guaranteed by TOTAL SE.
- (b) Debt financing of \$1.2 billion through a structure combining the issue of cash-settled convertible bonds with the purchase of cash-settled call options to hedge TOTAL's exposure to the exercise of the conversion rights under the bonds.

# Loan repayment schedule (excluding current portion)

| As of December 31,<br>2020 | Non-current    | of which hedging<br>instruments of<br>non-current<br>financial debt | Non-current      | of which hedging<br>instruments of<br>non-current<br>financial debt | Non-current financial<br>debt and related<br>financial |      |
|----------------------------|----------------|---|------------------|---|--|------|
| (M\$)                      | financial debt | (liabilities)   | financial assets | (assets)  | instruments  | %    |
| 2022                       | 9,932          | 142   | (142)            | (58)  | 9,790  | 18%  |
| 2023                       | 5,988          | 59  | (268)            | (218)   | 5,720  | 10%  |
| 2024                       | 6,340          | 115   | (395)            | (277)   | 5,945  | 11%  |
| 2025                       | 4,535          | 150   | (260)            | (212)   | 4,275  | 8%   |
| 2026 and beyond            | 33,408         | 1,149   | (3,716)          | (2,456)   | 29,692   | 53%  |
| Total                      | 60,203         | 1.615   | (4.781)          | (3.221)   | 55.422   | 100% |

| As of December 31,<br>2019 | Non-current    | of which hedging<br>instruments of<br>non-current<br>financial debt | Non-current      | of which hedging<br>instruments of<br>non-current<br>financial debt | Non-current financial<br>debt and related<br>financial |      |
|----------------------------|----------------|---|------------------|---|--|------|
| (M\$)                      | financial debt | (liabilities)   | financial assets | (assets)  | instruments  | %    |
| 2021                       | 5,716          | 204   | (101)            | (9)   | 5,615  | 12%  |
| 2022                       | 6,226          | 433   | (148)            | (121)   | 6,078  | 13%  |
| 2023                       | 5,230          | 106   | (67)             | (18)  | 5,163  | 11%  |
| 2024                       | 5,885          | 139   | (87)             | (83)  | 5,798  | 12%  |
| 2025 and beyond            | 24,716         | 812   | (509)            | (281)   | 24,207   | 52%  |
| Total                      | 47,773         | 1,694   | (912)            | (512)   | 46,861   | 100% |

| As of December 31,<br>2018 | Non-current    | of which hedging<br>instruments of<br>non-current<br>financial debt | Non-current      | of which hedging<br>instruments of<br>non-current<br>financial debt | Non-current financial<br>debt and related<br>financial |      |
|----------------------------|----------------|---|------------------|---|--|------|
| (M\$)                      | financial debt | (liabilities)   | financial assets | (assets)  | instruments  | %    |
| 2020                       | 5,442          | 386   | (10)             | -   | 5,432  | 14%  |
| 2021                       | 4,042          | 251   | (76)             | (57)  | 3,966  | 10%  |
| 2022                       | 5,262          | 448   | (104)            | (104)   | 5,158  | 13%  |
| 2023                       | 5,020          | 93  | (37)             | -   | 4,983  | 13%  |
| 2024 and beyond            | 20,363         | 702   | (453)            | (452)   | 19,910   | 50%  |
| Total                      | 40,129         | 1,880   | (680)            | (613)   | 39,449   | 100% |

# Analysis by currency and interest rate

These analyses take into account interest rate and foreign currency swaps to hedge non-current financial debt.

# As of December 31,

| As of Boothisti of, |        |      |        |      |        |      |
|---------------------|--------|------|--------|------|--------|------|
| (M\$)               | 2020   | %    | 2019   | %    | 2018   | %    |
| U.S. Dollar         | 48,609 | 88%  | 43,276 | 92%  | 38,120 | 97%  |
| Euro                | 3,144  | 6%   | 2,639  | 6%   | 1,103  | 3%   |
| Norwegian krone     | 72     | 0%   | 81     | 0%   | 27     | 0%   |
| Other currencies    | 3,597  | 6%   | 865    | 2%   | 199    | 0%   |
| Total               | 55,422 | 100% | 46,861 | 100% | 39,449 | 100% |

| As of December 31 | , |
|-------------------|---|
|-------------------|---|

| (M\$)         | 2020   | %    | 2019   | %    | 2018   | %    |
|---------------|--------|------|--------|------|--------|------|
| Fixed rate    | 34,870 | 63%  | 26,985 | 58%  | 18,139 | 46%  |
| Floating rate | 20,552 | 37%  | 19,876 | 42%  | 21,310 | 54%  |
| Total         | 55,422 | 100% | 46,861 | 100% | 39,449 | 100% |

# B) Current financial assets and liabilities

Current borrowings consist mainly of drawings on commercial papers or treasury bills and of bank loans. These instruments bear interest at rates that are close to market rates.

#### As of December 31,

| 1 | N/ | ıΦ | ١ |
|---|----|----|---|
| ١ | IV | ιΨ | , |

| (Assets) / Liabilities                                       | 2020    | 2019    | 2018    |
|--|---------|---------|---------|
| Current financial debt <sup>(a)</sup>                        | 11,305  | 8,710   | 8,316   |
| Current lease obligations                                    | 1,206   | 1,202   | -       |
| Current portion of non-current financial debt                | 4,588   | 4,907   | 4,990   |
| Current borrowings (note 14)                                 | 17,099  | 14,819  | 13,306  |
| Current portion of hedging instruments of debt (liabilities) | 104     | 424     | 295     |
| Other current financial instruments (liabilities)            | 99      | 63      | 183     |
| Other current financial liabilities (note 14)                | 203     | 487     | 478     |
| Current deposits beyond three months                         | (4,436) | (3,611) | (3,536) |
| Non-traded marketable securities                             | -       | (114)   | -       |
| Financial receivables on sub-lease, current                  | (111)   | (145)   | -       |
| Current portion of hedging instruments of debt (assets)      | (18)    | -       | (45)    |
| Other current financial instruments (assets)                 | (65)    | (122)   | (73)    |
| Current financial assets (note 14)                           | (4,630) | (3,992) | (3,654) |
| Net current borrowings                                       | 12,672  | 11,314  | 10,130  |

<sup>(</sup>a) As of December 31, 2020, December 31, 2019 and December 31, 2018, the current financial debt includes a commercial paper program in Total Capital and Total Capital Canada Ltd. Total Capital and Total Capital Canada Ltd. are wholly-owned subsidiaries of TOTAL SE. They act as financing vehicles for the activities of the Group. Their debt securities are fully and unconditionally guaranteed by TOTAL SE as to payment of principal, premium, if any, interest and any other amounts due.

# C) Cash flow from (used in) financing activities

The variations of financial debt are detailed as follows:

|   |                             |                 |   | 1                   | lon-cash c  | hanges  |       |                               |
|---|-----------------------------|-----------------|---|---------------------|-------------|---|-------|-------------------------------|
| (M\$)   | As of<br>January 1,<br>2020 | Cash<br>changes | Change in<br>scope, including<br>IFRS 5<br>reclassification | Foreign<br>currency | (Thanges in | Reclassificatio<br>n Non-current /<br>Current | Other | As of<br>December<br>31, 2020 |
| Non-current financial instruments - assets                      | 3                           |                 |   |                     |             |   |       |                               |
| (a) and non-current financial assets                            | (912)                       | (228)           | ) 3   | (59)                | (2,729)     | 118   | (974) | (4,781)                       |
| Non-current financial debt                                      | 47,773                      | 15,800          | (456)   | 192                 | 2,973       | (8,711)                                       | 2,632 | 60,203                        |
| Non-current financial debt and related financial instruments    | 46,861                      | 15,572          | 2 (453)   | 133                 | 244         | (8,593)                                       | 1,658 | 55,422                        |
| Current financial instruments - assets <sup>(a)</sup>           | (268)                       | 178             | 3 -   | (6)                 | 46          | (118)   | (26)  | (194)                         |
| Current borrowings  | 14,819                      | (6,679)         | ) 6   | (132)               | 188         | 8,711   | 186   | 17,099                        |
| Current financial instruments - liabilities <sup>(a)</sup>      | 487                         | -               | - (5)   | 8                   | (287)       | -   | -     | 203                           |
| Current financial debt and related financial instruments        | 15,038                      | (6,501)         | ) 1   | (130)               | (53)        | 8,593   | 160   | 17,108                        |
| Financial debt and financial assets classified as held for sale | 301                         | -               | - (10)  | 22                  | ! -         | -   | -     | 313                           |
| Financial debt  | 62,200                      | 9,071           | (462)   | 25                  | 191         | •   | 1,818 | 72,843                        |

<sup>(</sup>a) Fair value or cash flow hedge instruments and other non-hedge debt-related derivative instruments.

| Non-cash | changes |
|----------|---------|
|----------|---------|

| (M\$)   | As of<br>January 1,<br>2019 | Cash<br>changes | Change in<br>scope, including<br>IFRS 5<br>reclassification | First<br>application<br>IFRS 16 | Foreign<br>currency | Changes in fair<br>value | Reclassific<br>ation Non-<br>current /<br>Current | Other | As of<br>December<br>31, 2019 |
|---|-----------------------------|-----------------|---|---------------------------------|---------------------|--------------------------|---|-------|-------------------------------|
|   |                             |                 |   |                                 |                     |                          |   |       |                               |
| Non-current financial instruments - assets (a) and non-current financial assets | (680)                       | 21              | 12  | (50)                            | 4                   | ļ (71)                   | 144   | (292) | (912)                         |
| Non-current financial debt  | 40,129                      | 8,110           | (731)   | 4,805                           | (48)                | ) 484                    | (6,661)   | 1,685 | 47,773                        |
| Non-current financial debt and related financial instruments                    | 39,449                      | 8,131           | (719)   | 4,755                           | (44)                | ) 413                    | (6,517)   | 1,393 | 46,861                        |
| Current financial instruments - assets <sup>(a)</sup>                           | (118)                       | 125             |   | _                               | 2                   | 2 (32)                   | (144)   | (101) | (268)                         |
| Current borrowings  | 13,306                      | (5,954)         | (35)  | 750                             | 184                 | (26)                     | 6,661   | (67)  | 14,819                        |
| Current financial instruments - liabilities(a)                                  | 478                         | -               |   | -                               | (6)                 | ) 15                     | -   | -     | 487                           |
| Current financial debt and related financial instruments                        | 13,666                      | (5,829)         | (35)  | 750                             | 180                 | (43)                     | 6,517   | (168) | 15,038                        |
| Financial debt and financial assets classified as held for sale                 | -                           | -               | - 301   | -                               | -                   | <u> </u>                 | -   |       | 301                           |
| Financial debt  | 53,115                      | 2,302           | (453)   | 5,505                           | 136                 | 370                      | -   | 1,225 | 62,200                        |

<sup>(</sup>a) Fair value or cash flow hedge instruments and other non-hedge debt-related derivative instruments.

|   |                             |                 |   | Non-c               | ash chan              | ges   |       |                               |
|---|-----------------------------|-----------------|---|---------------------|-----------------------|---|-------|-------------------------------|
|   | As of<br>January<br>1, 2018 | Cash<br>changes | Change in<br>scope, including<br>IFRS 5<br>reclassification | Foreign<br>currency | Changes in fair value | Reclassificatio<br>n Non-current /<br>Current | Other | As of<br>December<br>31, 2018 |
| (M\$)   |                             |                 |   |                     |                       |   |       |                               |
| Non-current financial instruments - assets <sup>(a)</sup>                                     | (679)                       | -               | (72)  | 12                  | 59                    | -   | -     | (680)                         |
| Non-current financial debt  | 41,340                      | 649             | 4,708   | (59)                | 62                    | (6,260)                                       | (311) | 40,129                        |
| Non-current financial debt and related financial instruments                                  | 40,661                      | 649             | 4,636   | (47)                | 121                   | (6,260)                                       | (311) | 39,449                        |
| Current financial instruments - assets <sup>(a)</sup>   | (423)                       | -               |   | 10                  | 295                   | -   | -     | (118)                         |
| Current borrowings  | 11,096                      | (3,990)         | 230   | 270                 | (514)                 | 6,260   | (46)  | 13,306                        |
| Current financial instruments - liabilities <sup>(a)</sup> Current financial debt and related | 245                         | -               | 67  | (11)                | 177                   | -   | -     | 478                           |
| financial instruments   | 10,918                      | (3,990)         | 297   | 269                 | (42)                  | 6,260   | (46)  | 13,666                        |
| Financial debt classified as held for sale  | -                           | -               | -   | -                   | · -                   | <del>-</del>                                  | -     | <u> </u>                      |
| Financial debt  | 51,579                      | (3,341)         | 4,933   | 222                 | 79                    | -   | (357) | 53,11 <u>5</u>                |

<sup>(</sup>a) Fair value or cash flow hedge instruments and other non-hedge debt-related derivative instruments.

Monetary changes in non-current financial debt are detailed as follows:

# For the year ended December 31,

| (M\$)                         | 2020   | 2019  | 2018    |
|-------------------------------|--------|-------|---------|
| Issuance of non-current debt  | 16,075 | 8,668 | 3,938   |
| Repayment of non-current debt | (275)  | (538) | (3,289) |
| Net amount                    | 15,800 | 8,131 | 649     |

# D) Cash and cash equivalents

### **Accounting policies**

Cash and cash equivalents are comprised of cash on hand and highly liquid short-term investments that are easily convertible into known amounts of cash and are subject to insignificant risks of changes in value.

Investments with maturity greater than three months and less than twelve months are shown under "Current financial assets".

Changes in current financial assets and liabilities are included in the financing activities section of the Consolidated Statement of Cash Flows.

Cash and cash equivalents are detailed as follows:

### For the year ended December 31,

| (M\$)            | 2020   | 2019   | 2018   |
|------------------|--------|--------|--------|
| Cash             | 14,518 | 16,456 | 15,186 |
| Cash equivalents | 16,750 | 10,896 | 12,721 |
| Total            | 31,268 | 27,352 | 27,907 |

Cash equivalents are mainly composed of deposits less than three months deposited in government institutions or deposit banks selected in accordance with strict criteria.

As of December 31, 2020, the cash and cash equivalents include \$2,140 millions subject to restrictions, notably due to regulatory framework or to the fact they are owned by affiliates located in countries with exchange controls.

# E) Net-debt-to-capital ratio

For its internal and external communication needs, the Group calculates a debt ratio by dividing its net financial debt excluding leases by its capital.

The ratio is calculated as follows: Net debt excluding leases / (Equity + Net debt excluding leases)

#### As of December 31,

| (M\$)  |          |          |          |
|--|----------|----------|----------|
| (Assets) / Liabilities   | 2020     | 2019     | 2018     |
| Current borrowings <sup>(a)</sup>                              | 15,893   | 13,617   | 13,093   |
| Other current financial liabilities                            | 203      | 487      | 478      |
| Current financial assets <sup>(a)</sup>                        | (4,519)  | (3,847)  | (3,654)  |
| Net financial assets and liabilities held for sale or exchange | 313      | 301      | (15)     |
| Non-current financial debt <sup>(a)</sup>                      | 52,467   | 41,510   | 38,464   |
| Non-current financial assets <sup>(a)</sup>                    | (3,762)  | (748)    | (680)    |
| Cash and cash equivalents                                      | (31,268) | (27,352) | (27,907) |
| Net financial debt   | 29,327   | 23,968   | 19,779   |
| Shareholders' equity - Group share                             | 103,702  | 116,778  | 115,640  |
| Non-controlling interests                                      | 2,383    | 2,527    | 2,474    |
| Shareholders' equity   | 106,085  | 119,305  | 118,114  |
| Net-debt-to-capital ratio excluding leases                     | 21.7%    | 16.7%    | 14.3%    |

<sup>(</sup>a) excluding leases receivables & leases debts.

# 15.2) Fair value of financial instruments (excluding commodity contracts)

### **Accounting policies**

The Group uses derivative instruments to manage its exposure to risks of changes in interest rates, foreign exchange rates and commodity prices. These financial instruments are accounted for in accordance with IFRS 9, changes in fair value of derivative instruments are recognized in the statement of income or in other comprehensive income and are recognized in the balance sheet in the accounts corresponding to their nature, according to the risk management strategy. The derivative instruments used by the Group are the following:

### - Cash management

Financial instruments used for cash management purposes are part of a hedging strategy of currency and interest rate risks within global limits set by the Group and are considered to be held for trading. Changes in fair value are systematically recorded in the statement of income. The balance sheet value of those instruments is included in "Current financial assets" or "Other current financial liabilities".

# Long-term financing

When an external long-term financing is set up, specifically to finance subsidiaries, and when this financing involves currency and interest rate derivatives, these instruments are qualified as:

Fair value hedge of the interest rate and currency risks on the external debt financing the loans to subsidiaries.
Changes in fair value of derivatives are recognized in the statement of income, as are changes in fair value of underlying financial debts and loans to subsidiaries.

The fair value of those hedging instruments of long-term financing is included in assets under "Non-current financial assets" or in liabilities under "Non-current financial debt "for the non-current portion. The current portion (less than one year) is accounted for in "Current financial assets" or "Other current financial liabilities".

In case of the anticipated termination of derivative instruments accounted for as fair value hedges, the amount paid or received is recognized in the statement of income and:

- If this termination is due to an early cancellation of the hedged items, the adjustment previously recorded
  as revaluation of those hedged items is also recognized in the statement of income;
- If the hedged items remain in the balance sheet, the adjustment previously recorded as a revaluation of those hedged items is spread over the remaining life of those items.

In case of a change in the strategy of the hedge (fair value hedge to cash flow hedge), if the components of the initial aggregated exposure had already been designated in a hedging relationship (FVH), the Group designates the new instrument as a hedging instrument of an aggregated position (CFH) without having to end the initial hedging relationship.

2) Cash flow hedge when the Group implements a strategy of fixing interest rate and/or currency rate on the external debt. Changes in fair value are recorded in Other comprehensive Income for the effective portion of the hedging and in the statement of income for the ineffective portion of the hedging. When the hedged transaction affects profit or loss, the fair value variations of the hedging instrument recorded in equity are also symmetrically recycled to the income statement.

The fair value of those hedging instruments of long-term financing is included in assets under "Non-current financial assets" or in liabilities under "Non-current financial debt" for the non-current portion. The current portion (less than one year) is accounted for in "Current financial assets" or "Other current financial liabilities".

If the hedging instrument expires, is sold or terminated by anticipation, gains or losses previously recognized in equity remain in equity. Amounts are recycled to the income statement only when the hedged transaction affects profit or loss.

3) In compliance with IFRS9, the Group has decided to recognize in a separate component of the comprehensive income the variation of foreign currency basis spread (Cross Currency Swaps) identified in the hedging relationships qualified as fair value hedges and cash flow hedges.

Foreign subsidiaries' equity hedge

Certain financial instruments hedge against risks related to the equity of foreign subsidiaries whose functional currency is not the euro (mainly the dollar). These instruments qualify as "net investment hedges" and changes in fair value are recorded in other comprehensive income under "Currency translation" for the effective portion of the hedging and in the statement of income for the ineffective portion of the hedging. Gains or losses on hedging instruments previously recorded in equity, are reclassified to the statement of income in the same period as the total or partial disposal of the foreign activity.

The fair value of these instruments is recorded under "Current financial assets" and "Other current financial liabilities".

- Commitments to purchase shares held by non-controlling interests (put options written on minority interests)

Put options granted to non-controlling-interest shareholders are initially recognized as financial liabilities at the present value of the exercise price of the options with a corresponding reduction in shareholders' equity. The financial liability is subsequently measured at fair value at each balance sheet date in accordance with contractual clauses and any variation is recorded in the statement of income (cost of debt).

# A) Impact on the statement of income per nature of financial instruments

# Assets and liabilities from financing activities

The impact on the statement of income of financing assets and liabilities mainly includes:

- Financial income on cash, cash equivalents, and current financial assets (notably current deposits beyond three months) classified as "Loans and receivables":
- Financial expense of long term subsidiaries financing, associated hedging instruments (excluding ineffective
  portion of the hedge detailed below) and financial expense of short term financing classified as "Financing
  liabilities and associated hedging instruments";
- · Ineffective portion of bond hedging;
- Financial income and financial expense on lease contracts and,
- Financial income, financial expense and fair value of derivative instruments used for cash management purposes classified as "Assets and liabilities held for trading".

Financial derivative instruments used for cash management purposes (interest rate and foreign exchange) are considered to be held for trading. Based on practical documentation issues, the Group did not elect to set up hedge accounting for such instruments. The impact on income of the derivatives is offset by the impact of loans and current liabilities they are related to. Therefore these transactions taken as a whole do not have a significant impact on the Consolidated Financial Statements.

#### For the year ended December 31,

| (M\$)  | 2020    | 2019    | 2018    |
|--|---------|---------|---------|
| Loans and receivables                                    | 154     | 200     | 161     |
| Financing liabilities and associated hedging instruments | (1,660) | (1,897) | (1,927) |
| Fair value hedge (ineffective portion)                   | 12      | (1)     | (6)     |
| Lease assets and obligations                             | (422)   | (417)   | -       |
| Assets and liabilities held for trading                  | (194)   | (237)   | (349)   |
| Impact on the cost of net debt                           | (2,110) | (2,352) | (2,121) |

### B) Impact of the hedging strategies

The impact on the statement of income of the bond hedging instruments which is recorded in the item "Financial interest on debt" in the Consolidated Statement of Income is detailed as follows:

### For the year ended December 31,

| (M\$)                                       | 2020    | 2019  | 2018    |
|---|---------|-------|---------|
| Revaluation impact at market value of bonds | (4,004) | (762) | 1,332   |
| Swap hedging of bonds                       | 4,016   | 761   | (1,338) |
| Ineffective portion of the fair value hedge | 12      | (1)   | (6)     |

The ineffective portion is not representative of the Group's performance considering the Group's objective to hold swaps to maturity. The current portion of the swaps valuation is not subject to active management.

# Net investment hedge

The variations of the period are detailed in the table below:

| For the year ended December 31, | As of      |            |           | As of       |
|---------------------------------|------------|------------|-----------|-------------|
| (M\$)                           | January 1, | Variations | Disposals | December 31 |
| 2020                            | (717)      | (71)       | -         | (788)       |
| 2019                            | (724)      | 7          | -         | (717)       |
| 2018                            | (762)      | 38         | -         | (724)       |

As of December 31, 2020, 2019 and 2018 the Group had no open forward contract under these hedging instruments.

### Cash flow hedge

The impact on the statement of income and other comprehensive income of the hedging instruments qualified as cash flow hedges is detailed as follows:

# For the year ended December 31,

| (M\$)  | 2020  | 2019  | 2018  |
|--|-------|-------|-------|
| Profit (Loss) recorded in other comprehensive income of the period             | (327) | (585) | 24    |
| Recycled amount from other comprehensive income to the income statement of the |       |       |       |
| period   | 139   | 47    | (116) |

As of December 31, 2020, 2019 and 2018, the ineffective portion of these financial instruments is nil.

Hedging instruments and hedged items by strategy

Fair Value Hedge

The following charts regarding Fair Value Hedge, disclose by nature of hedging instruments (Interest Rate Swaps and Cross Currency Swaps):

- The nominal amounts and carrying amounts of hedging instruments;
- The carrying amounts of hedged items and cumulative FVH adjustments included in the carrying amounts of the hedged items;
- The hedged items that have ceased to be adjusted for hedging gains and losses.

# For the year ended December 31 2020 \$M

|                              | Hedging                         | Nominal<br>amount of<br>hedging |        | amount of   | Carrying hedged it | amount of<br>ems |        | nts included in | nLine items in the statement of financial position |
|------------------------------|---------------------------------|---------------------------------|--------|-------------|--------------------|------------------|--------|-----------------|--|
| Hedged items                 | instruments                     | 0 0                             | Assets | Liabilities | Assets             | Liabilities      | Assets | Liabilities     |  |
| Bonds                        | Interest Rate<br>Swaps<br>Cross | e<br>8,063                      | 527    | (15)        |                    | (8,586)          |        | (1,136)         | Financial debt /<br>Financial assets               |
| Bonds                        | Currency<br>Swaps               | 11,011                          | 836    | (211)       | -                  | (11,109)         | -      | (98)            | Financial debt /<br>Financial assets               |
| End of hedging (before 2018) |                                 | -                               | -      | -           | -                  | -                | -      | (47)            |  |

# For the year ended December 31 2019 \$M

|                              | Hedging                    | Nominal amount of hedging | Carrying a |             | Carrying a | amount of<br>ems | ,      | nts ind<br>ing am | cluded in<br>nount of | Line items in the statement of financial position |
|------------------------------|----------------------------|---------------------------|------------|-------------|------------|------------------|--------|-------------------|-----------------------|---|
| Hedged items                 | instruments                | instruments               | Assets     | Liabilities | Assets     | Liabilities      | Assets | Lia               | bilities              |   |
| Bonds                        | Interest Rate<br>Swaps     | e<br>8,012                | 270        | ) (75       | )          | - (7,450         | )      | _                 | (795)                 | Financial debt /<br>Financial assets              |
| Bonds                        | Cross<br>Currency<br>Swaps | 14,357                    | 124        | (1,011      | )          | - (14,357        | )      | _                 | 1,290                 | Financial debt / Financial assets                 |
| End of hedging (before 2018) |                            | ,                         | , -        | -           | I          | -                | -      | -                 | (71)                  |   |

### **Cash Flow Hedge**

The following charts regarding Cash Flow Hedge disclose the nominal amounts and carrying amounts by nature of hedging instruments (Interest Rate Swaps and Cross Currency Swaps).

According to IFRS 9, there is no accounting entry related to Cash Flow Hedge on hedged items.

| For the year ended December 31 2020 | Nature of hedging       | Nominal amount of hedging |        | ount of hedging<br>uments | Line item in the  statement of financial |
|-------------------------------------|-------------------------|---------------------------|--------|---------------------------|--|
| \$M                                 | instruments             | instruments               | Assets | Liabilities               | position                                 |
| Bonds                               | Interest Rate<br>Swaps  | 12,781                    | -      | (1,441)                   | Financial debt / Financial assets        |
| Bonds                               | Cross Currency<br>Swaps | 17,511                    | 1,856  | (32)                      | Financial debt / Financial assets        |

| For the year ended December 31 2019 | Nature of hedging       | Nominal amount of hedging – | Carrying amount of hedging instruments |             | Line item in the -statement of financial |
|-------------------------------------|-------------------------|-----------------------------|--|-------------|--|
| \$M                                 | instruments             | instruments                 | Assets                                 | Liabilities | position                                 |
| Bonds                               | Interest Rate<br>Swaps  | 12,782                      | 25                                     | (527)       | Financial debt / Financial assets        |
| Bonds                               | Cross Currency<br>Swaps | 12,604                      | 19                                     | (431)       | Financial debt / Financial assets        |

# C) Maturity of derivative instruments

The maturity of the notional amounts of derivative instruments, excluding the commodity contracts, is detailed in the following table:

| For the year ended December 31, 2020                                    | Fair<br>value | Notional value | Fair<br>value |           | Not   | tional value | schedule |       |           |
|---|---------------|----------------|---------------|-----------|-------|--------------|----------|-------|-----------|
| (M\$)   | valuo         | 2021           | raido         | 2022      | 2022  | 2023         | 2024     | 2025  | 2026      |
| Assets / (Liabilities)  |               |                |               | and after |       |              |          |       | and after |
| Fair value hedge  |               |                |               |           |       |              |          |       |           |
| · all value longe   |               |                |               |           |       |              |          |       |           |
| Swaps hedging bonds (assets)  | 18            | 1,250          | 1,365         | 12,642    |       |              |          |       |           |
| Swaps hedging bonds (liabilities)                                       | (104)         | 1,445          | (142)         | 3,737     |       |              |          |       |           |
| Total swaps hedging bonds   | (86)          | 2,695          | 1,223         | 16,379    | 4,350 | 3,858        | 2,087    | 1,630 | 4,454     |
| Cash flow hedge   |               |                |               |           |       |              |          |       |           |
| Swaps hedging bonds (assets)  | -             | -              | 1,856         | 16,259    |       |              |          |       |           |
| Swaps hedging bonds (liabilities)                                       | -             | -              | (1,473)       | 14,033    |       |              |          |       |           |
| Total swaps hedgings bonds  | -             | -              | 383           | 30,292    | -     | 1,000        | 3,659    | 4,459 | 21,174    |
| Forward exchange contracts related to operating activites (assets)      | 16            | 262            | 20            | 394       |       |              |          |       |           |
| Forward exchange contracts related to operating activites (liabilities) | -             | -              | -             | -         |       |              |          |       |           |
| Total forward exchange contracts related to operating activities        | 16            | 262            | 20            | 394       | 276   | 118          | -        | -     | -         |
| Held for trading  |               |                |               |           |       |              |          |       |           |
| Other interest rate swaps (assets)                                      | 10            | 22,011         | 84            | 3,214     |       |              |          |       |           |
| Other interest rate swaps (liabilities)                                 | (51)          | 7,693          | (116)         | 3,695     |       |              |          |       |           |
| Total other interest rate swaps   | (41)          | 29,704         | (32)          | 6,909     | 2,067 | 764          | 2,004    | 1,937 | 137       |
| Currency swaps and forward exchange contracts (assets)                  | 39            | 3,323          | 5             | 344       |       |              |          |       |           |
| Currency swaps and forward exchange contracts (liabilities)             | (48)          | 2,580          | (2)           | 54        |       |              |          |       |           |
| Total currency swaps and forward exchange contracts                     | (9)           | 5,903          | 3             | 398       | 189   | 145          | 64       | -     | -         |

Notional amounts set the levels of commitment and are indicative nor of a contingent gain or loss neither of a related debt.

| Fair  | Notional | Fair  | Notional value schedule |
|-------|----------|-------|-------------------------|
| value | value    | value |                         |

| (M\$) Assets / (Liabilities)  |       | 2020   | •     | 2021<br>and after | 2021  | 2022  | 2023  | 2024  | 2025<br>and after |
|---|-------|--------|-------|-------------------|-------|-------|-------|-------|-------------------|
| Fair value hedge  |       |        |       |                   |       |       |       |       |                   |
| Swaps hedging bonds (assets)  | -     | -      | 469   | 10,896            |       |       |       |       |                   |
| Swaps hedging bonds (liabilities)                                       | (423) | 3,346  | (736) | 8,127             |       |       |       |       |                   |
| Total swaps hedging bonds   | (423) | 3,346  | (267) | 19,023            | 2,695 | 4,298 | 3,858 | 2,337 | 5,835             |
| Cash flow hedge   |       |        |       |                   |       |       |       |       |                   |
| Swaps hedging bonds (assets)  | -     | -      | 43    | 4,062             |       |       |       |       |                   |
| Swaps hedging bonds (liabilities)                                       | -     | -      | (958) | 21,324            |       |       |       |       |                   |
| Total swaps hedgings bonds  |       | -      | (915) | 25,386            | -     | -     | 1,000 | 3,659 | 20,727            |
|   |       |        |       |                   |       |       |       |       |                   |
| Forward exchange contracts related to operating activites (assets)      | 1     | 29     | -     | -                 |       |       |       |       |                   |
| Forward exchange contracts related to operating activites (liabilities) | -     | -      | -     | -                 |       |       |       |       |                   |
| Total forward exchange contracts related to operating activites         | 1     | 29     | -     | -                 | -     | -     | -     | -     | -                 |
| Held for trading  |       |        |       |                   |       |       |       |       |                   |
| Other interest rate swaps (assets)                                      | 11    | 23,522 | 50    | 2,225             |       |       |       |       |                   |
| Other interest rate swaps (disbilities)                                 | (24)  | 16,007 | (44)  | 3,475             |       |       |       |       |                   |
| Total other interest rate swaps   | (13)  | 39,529 | 6     | 5,700             | 2,217 | 1,463 | 18    | 1,820 | 182               |
|   | ( - / | ,      |       | ,                 |       |       |       |       |                   |
| Currency swaps and forward exchange contracts (assets)                  | 111   | 6,446  | 17    | 431               |       |       |       |       |                   |
| Currency swaps and forward exchange contracts (liabilities)             | (39)  | 4,455  | -     | 131               |       |       |       |       |                   |
| Total currency swaps and forward exchange contracts                     | 72    | 10,901 | 17    | 562               | 529   | 33    | -     | -     | -                 |

Notional amounts set the levels of commitment and are indicative nor of a contingent gain or loss neither of a related debt.

| For the year ended December 31, 2018                                    | Fair<br>value | Notional value | Fair<br>value |           | Not   | ional value | schedule |       |           |
|---|---------------|----------------|---------------|-----------|-------|-------------|----------|-------|-----------|
| (M\$)   |               | 2019           |               | 2020      | 2020  | 2021        | 2022     | 2023  | 2024      |
| Assets / (Liabilities)  |               |                |               | and after |       |             |          |       | and after |
| Fair value hedge  |               |                |               |           |       |             |          |       |           |
|   |               |                |               |           |       |             |          |       |           |
| Swaps hedging bonds (assets)  | 45            | 1,345          | 235           | 3,712     |       |             |          |       |           |
| Swaps hedging bonds (liabilities)                                       | (208)         |                | (1,281)       |           |       |             |          |       |           |
| Total swaps hedging bonds   | (163)         | 3,219          | (1,046)       | 19,937    | 3,346 | 1,945       | 4,309    | 3,858 | 6,479     |
| Cash flow hedge   |               |                |               |           |       |             |          |       |           |
| Swaps hedging bonds (assets)  | -             | -              | 378           | 10,043    |       |             |          |       |           |
| Swaps hedging bonds (liabilities)                                       | (87)          | 969            | (599)         | 11,265    |       |             |          |       |           |
| Total swaps hedging bonds   | (87)          | 969            | (221)         | 21,308    | -     | -           | -        | -     | 21,308    |
|   |               |                |               |           |       |             |          |       |           |
| Forward exchange contracts related to operating activites (assets)      | 2             | 39             | -             | 4         |       |             |          |       |           |
| Forward exchange contracts related to operating activites (liabilities) | 2             | 39             | -             | - 4       |       |             |          |       |           |
| Total forward exchange contracts related to operating activites         | 2             | 39             | •             | 4         | 4     | -           | -        | -     | -         |
| Held for trading  |               |                |               |           |       |             |          |       |           |
| Other interest rate swaps (assets)                                      | 7             | 17,001         | 57            | 2,515     |       |             |          |       |           |
| Other interest rate swaps (liabilities)                                 | (79)          | 20,816         | (22)          | 2,686     |       |             |          |       |           |
| Total other interest rate swaps   | (72)          | 37,817         | 35            | 5,201     | 2,186 | 1,004       | 56       | 1     | 1,954     |
| C   |               | 40.500         | 44            | 44        |       |             |          |       |           |
| Currency swaps and forward exchange contracts (assets)                  | 66            | 10,500         | 11            | 44        |       |             |          |       |           |
| Currency swaps and forward exchange contracts (liabilities)             | (104)         | - , -          | (7)           |           |       | 40          |          |       |           |
| Total currency swaps and forward exchange contracts                     | (38)          | 19,607         | 4             | 78        | 65    | 12          | 1        | -     | -         |

Notional amounts set the levels of commitment and are indicative nor of a contingent gain or loss neither of a related debt.

# D) Fair value hierarchy

# **Accounting policies**

Fair values are estimated for the majority of the Group's financial instruments, with the exception of publicly traded equity securities and marketable securities for which the market price is used.

Estimations of fair value, which are based on principles such as discounting future cash flows to present value, must be weighted by the fact that the value of a financial instrument at a given time may be influenced by the market environment (liquidity especially), and also the fact that subsequent changes in interest rates and exchange rates are not taken into account.

As a consequence, the use of different estimates, methodologies and assumptions could have a material effect on the estimated fair value amounts.

The methods used are as follows:

### Financial debts, swaps

The market value of swaps and of bonds that are hedged by those swaps has been determined on an individual basis by discounting future cash flows with the market curves existing at year-end.

#### - Other financial instruments

The fair value of the interest rate swaps and of FRA's (Forward Rate Agreements) are calculated by discounting future cash flows on the basis of market curves existing at year-end after adjustment for interest accrued but unpaid. Forward exchange contracts and currency swaps are valued on the basis of a comparison of the negotiated forward rates with the rates in effect on the financial markets at year-end for similar maturities.

Exchange options are valued based on models commonly used by the market.

The fair value hierarchy for financial instruments, excluding commodity contracts, is as follows:

| As of December 31, 2020 (M\$)           |     | Prices based on observable data | Prices based on<br>non observable<br>data<br>(level 3) | Total |
|---|-----|---------------------------------|--|-------|
| Fair value hedge instruments            | -   | 1,137                           | -  | 1,137 |
| Cash flow hedge instruments             | -   | 408                             | -  | 408   |
| Assets and liabilities held for trading | -   | (68)                            | -  | (68)  |
| Equity instruments                      | 706 | -                               | -  | 706   |
| Total                                   | 706 | 1,477                           | -  | 2,183 |

| As of December 31, 2019<br>(M\$)        |     | Prices based on<br>observable data<br>(level 2) | Prices based on<br>non observable<br>data<br>(level 3) | Total   |
|---|-----|---|--|---------|
| Fair value hedge instruments            | -   | (690) -   |  | (690)   |
| Cash flow hedge instruments             | -   | (915) -   |  | (915)   |
| Assets and liabilities held for trading | -   | 82 -  |  | 82      |
| Equity instruments                      | 240 |   |  | 240     |
| Total                                   | 240 | (1,523)   | -  | (1,283) |

| As of December 31, 2018<br>(M\$)        |    | Prices based on observable data | Prices based on<br>non observable<br>data<br>(level 3) | Total   |
|---|----|---------------------------------|--|---------|
| Fair value hedge instruments            | -  | (1,209)                         | -  | (1,209) |
| Cash flow hedge instruments             | -  | (306)                           | -  | (306)   |
| Assets and liabilities held for trading | -  | (71)                            | -  | (71)    |
| Equity instruments                      | 94 | -                               | -  | 94      |
| Total                                   | 94 | (1,586)                         | -  | (1,492) |

# 15.3) Financial risks management

### Financial markets related risks

As part of its financing and cash management activities, the Group uses derivative instruments to manage its exposure to changes in interest rates and foreign exchange rates. These instruments are mainly interest rate and currency swaps. The Group may also occasionally use futures contracts and options. These operations and their accounting treatment are detailed in Notes 14, 15.1 and 15.2 to the Consolidated Financial Statements.

Risks relative to cash management operations and to interest rate and foreign exchange financial instruments are managed according to rules set by the Group's senior management, which provide for regular pooling of available cash balances, open positions and management of the financial instruments by the Treasury Department. Excess cash of the Group is deposited mainly in government institutions, deposit banks, or major companies through deposits, reverse repurchase agreements and purchase of commercial paper. Liquidity positions and the management of financial instruments are centralized by the Treasury Department, where they are managed by a team specialized in foreign exchange and interest rate market transactions.

The Cash Monitoring-Management Unit within the Treasury Department monitors limits and positions per bank on a daily basis and results of the Front Office. This unit also prepares marked-to-market valuations of used financial instruments and, when necessary, performs sensitivity analysis.

# Counterparty risk

The Group has established standards for market transactions under which any banking counterparty must be approved in advance, based on an assessment of the counterparty's financial solidity (multi-criteria analysis including notably a review of its Credit Default Swap (CDS) level, credit ratings from Standard & Poor's and Moody's, which must be of high standing, and general financial situation).

An overall credit limit is set for each authorised financial counterparty and is allocated amongst the affiliates and the Group's central treasury entities, according to the Group's financial needs.

To reduce the market valuation risk on its commitments, in particular relating to derivative instruments, the Treasury Department has entered into margin call agreements with its counterparties, in compliance with applicable regulations. Moreover, since December 21, 2018 and pursuant to Regulation (EU) No. 648/2012 on OTC derivatives, central counterparties and trade repositories (EMIR), any new interest rate hedging swap (excluding cross currency swaps) entered into by a Group's entity is now subject to central clearing.

# Short-term interest rate exposure and cash

Cash balances, which are primarily composed of euros and dollars, are managed according to the guidelines established by the Group's senior management (to maintain an adequate level of liquidity, optimize revenue from investments considering existing interest rate yield curves, and minimize the cost of borrowing) over a less than twelve-month horizon and on the basis of a daily interest rate benchmark, primarily through short-term interest rate swaps and short-term currency swaps, without modifying currency exposure.

#### Interest rate risk on non-current debt

The Group's policy consists in incurring long-term debt at a floating or fixed rate, depending on the Group's general corporate needs and the interest rate environment at the time of issue, mainly in dollars or euros. Long-term interest rate and currency swaps may be entered into for the purpose of hedging bonds at the time of issuance, synthetically resulting in the incurrence of variable or fixed rate debt. In order to partially alter the interest rate exposure of its long-term indebtedness, TOTAL may also enter into long-term interest rate swaps on an *ad-hoc* basis.

# **Currency exposure**

The Group generally seeks to minimize the currency exposure of each entity to its functional currency (primarily the dollar, the euro, the pound sterling and the Norwegian krone).

For currency exposure generated by commercial activity, the hedging of revenues and costs in foreign currencies is typically performed using currency operations on the spot market and, in some cases, on the forward market. The Group rarely hedges future cash flows, although it may use options to do so.

With respect to currency exposure linked to non-current assets, the Group has a hedging policy of financing these assets in their functional currency.

Net short-term currency exposure is periodically monitored against limits set by the Group's senior management.

The non-current debt described in Note 15.1 to the Consolidated Financial Statements is generally raised by the corporate treasury entities either directly in dollars or in euros, or in other currencies which are then exchanged for dollars or euros through swap issues to appropriately match general corporate needs. The proceeds from these debt issuances are loaned to affiliates whose accounts are kept in dollars or in euros. Thus, the net sensitivity of these positions to currency exposure is not significant.

The Group's short-term currency swaps, the notional value of which appears in Note 15.2 to the Consolidated Financial Statements, are used to attempt to optimize the centralized cash management of the Group. Thus, the sensitivity to currency fluctuations which may be induced is likewise considered negligible.

# Sensitivity analysis on interest rate and foreign exchange risk

The tables below present the potential impact of an increase or decrease of 10 basis points on the interest rate yield curves for each of the currencies on the fair value of the current financial instruments as of December 31, 2020, 2019 and 2018.

| Assets / (Liabilities)  |          | _          | Change in fair value due t<br>interest rate b |            |
|---|----------|------------|---|------------|
|   | Carrying | Estimated  | + 10 basis                                    | - 10 basis |
| (M\$)   | amount   | fair value | points  | points     |
| As of December 31, 2020   |          |            |   |            |
| Bonds (non-current portion, before swaps)   | (46,239) | (52,246)   | 440   | (440)      |
| Swaps hedging bonds (liabilities)   | (1,615)  | (1,615)    | -   | -          |
| Swaps hedging bonds (assets)  | 3,221    | 3,221      | -   | -          |
| Total swaps hedging bonds (assets and liabilities)                                    | 1,606    | 1,606      | (70)  | 70         |
| Current portion of non-current debt after swaps (excluding lease obligations)         | (4,674)  | (4,696)    | 2   | (2)        |
| Other interest rates swaps  | (73)     | (73)       | 18  | (18)       |
| Currency swaps and forward exchange contracts   | (6)      | (6)        | -   | -          |
| As of December 31, 2019   |          |            |   |            |
| Bonds (non-current portion, before swaps)   | (38,657) | (41,805)   | 247   | (247)      |
| Swaps hedging bonds (liabilities)   | (1,694)  | (1,694)    | -   | -          |
| Swaps hedging bonds (assets)  | 512      | 512        | =   | -          |
| Total swaps hedging bonds (assets and liabilities)                                    | (1,182)  | (1,182)    | (44)  | 44         |
| Current portion of non-current debt after swaps (excluding lease obligations)         | (5,331)  | (5,332)    | 1   | (1)        |
| Other interest rates swaps  | (7)      | (7)        | 18  | (18)       |
| Currency swaps and forward exchange contracts   | 89       | 89         | -   | -          |
| As of December 31, 2018   |          |            |   |            |
| Bonds (non-current portion, before swaps)   | (34,975) | (36,127)   | 185   | (185)      |
| Swaps hedging bonds (liabilities)   | (1,880)  | (1,880)    | -   | -          |
| Swaps hedging bonds (assets)  | 613      | 613        | =   | -          |
| Total swaps hedging bonds (assets and liabilities)                                    | (1,267)  | (1,267)    | (59)  | 59         |
| Current portion of non-current debt after swaps (excluding capital lease obligations) | (5,027)  | (5,027)    | -   | -          |
| Other interest rates swaps  | (37)     | (37)       | 12  | (12)       |
| Currency swaps and forward exchange contracts   | (34)     | (34)       |   |            |

The impact of changes in interest rates on the cost of debt before tax is as follows:

| For the year ended December 31, (M\$) | 2020    | 2019    | 2018    |
|---------------------------------------|---------|---------|---------|
| Cost of net debt                      | (2,110) | (2,352) | (2,121) |
| Interest rate translation of :        |         |         |         |
| + 10 basis points                     | 29      | 27      | 29      |
| - 10 basis points                     | (29)    | (27)    | (29)    |

As a result of the policy for the management of currency exposure previously described, the Group's sensitivity to currency exposure is primarily influenced by the net equity of the subsidiaries whose functional currency is the euro and the ruble, and to a lesser extent, the pound sterling and the Norwegian krone.

This sensitivity is reflected in the historical evolution of the currency translation adjustment recorded in the statement of changes in consolidated shareholders' equity which, over the course of the last three years, is essentially related to the fluctuation of the euro, the ruble and the pound sterling and is set forth in the table below:

|   |          |         | Dollar / Euro<br>exchange rates |                   | Dollar / Pound<br>sterling exchange<br>rates |         | llar / Ruble<br>ange rates |
|---|----------|---------|---------------------------------|-------------------|--|---------|----------------------------|
| December 31, 2020   |          |         | 0.81                            |                   | 0.73   |         | 74.54                      |
| December 31, 2019   |          |         | 0.89                            |                   | 0.76   |         | 62.27                      |
| December 31, 2018   |          |         | 0.87                            |                   | 0.78   |         | 69.62                      |
| As of December 31, 2020<br>(M\$)                              | Total    | Euro    | Dollar                          | Pound<br>sterling |  | Ruble   | Other currencies           |
| Shareholders' equity at historical exchange rate              | 113,958  | 28,893  | 60,613                          | 4,494             |  | 9,913   | 10,045                     |
| Currency translation adjustment before net investment hedge   | (10,279) | (2,448) | -                               | (1,726)           |  | (4,253) | (1,852)                    |
| Net investment hedge - open instruments                       | 23       | 23      | -                               | -                 |  | -       | -                          |
| Shareholders' equity at exchange rate as of December 31, 2020 | 103,702  | 26,468  | 60,613                          | 2,768             |  | 5,660   | 8,193                      |
| As of December 31, 2019<br>(M\$)                              | Total    | Euro    | Dollar                          | Pound<br>sterling |  | Ruble   | Other<br>currencies        |
| Shareholders' equity at historical exchange rate              | 128,281  | 37,687  | 66,005                          | 5,635             |  | 9,900   | 9,054                      |
| Currency translation adjustment before net investment hedge   | (11,501) | (4,443) | -                               | (1,830)           |  | (3,355) | (1,873)                    |
| Net investment hedge - open instruments                       | (2)      | (2)     | -                               | -                 |  | -       | -                          |
| Shareholders' equity at exchange rate as of December 31, 2019 | 116,778  | 33,241  | 66,005                          | 3,805             |  | 6,545   | 7,182                      |
| As of December 31, 2018 (M\$)                                 | Total    | Euro    | Dollar                          | Pound<br>sterling |  | Ruble   | Other<br>currencies        |
| Shareholders' equity at historical exchange rate              | 126,953  | 41,518  | 59,125                          | 9,077             |  | 8,248   | 8,985                      |
| Currency translation adjustment before net investment hedge   | (11,321) | (3,706) | -                               | (1,960)           |  | (3,892) | (1,763)                    |
| Net investment hedge - open instruments                       | 8        | 8       | -                               | -                 |  | -       | -                          |
| Shareholders' equity at exchange rate as of December 31, 2018 | 115,640  | 37,820  | 59,125                          | 7,117             |  | 4,356   | 7,222                      |

Based on the 2020 financial statements, a conversion using rates different from + or - 10% for each of the currencies below would have the following impact on shareholders equity and net income (Group share):

| As of December 31, 2020                              |         | Pound    |       |
|--|---------|----------|-------|
| (M\$)  | Euro    | sterling | Ruble |
| Impact of an increase of 10% of exchange rates on :  |         |          |       |
| - shareholders equity                                | 2,647   | 277      | 566   |
| - net income (Group share)                           | (189)   | (64)     | 29    |
| Impact of a decrease of (10)% of exchange rates on : |         |          |       |
| - shareholders equity                                | (2,647) | (277)    | (566) |
| - net income (Group share)                           | 189     | 64       | (29)  |

### Stock market risk

The Group holds interests in a number of publicly-traded companies (see Note 8 to the Consolidated Financial Statements). The market value of these holdings fluctuates due to various factors, including stock market trends, valuations of the sectors in which the companies operate, and the economic and financial condition of each individual company.

# Liquidity risk

TOTAL SE has committed credit facilities granted by international banks allowing it to benefit from significant liquidity reserves.

As of December 31, 2020, these credit facilities amounted to \$14,902 million, of which \$11,256 million were unutilized. The agreements underpinning credit facilities granted to TOTAL SE do not contain conditions related to the Company's financial ratios, to its credit ratings from specialized agencies, or to the occurrence of events that could have a material adverse effect on its financial position.

As of December 31, 2020, the aggregated amount of the main committed credit facilities granted by international banks to the Group's companies, including TOTAL SE, was \$16,282 million, of which \$11,808 million were unutilized. Credit facilities granted to the Group's companies other than TOTAL SE are not intended to fund the Group's general corporate purposes; they are intended to fund either general corporate purposes of the borrowing affiliate, or a specific project.

The following tables show the maturity of the financial assets and liabilities of the Group as of December 31, 2020, 2019 and 2018 (see Note 15.1 to the Consolidated Financial Statements).

| As   | of | De   | cem | ber    | 31, | 2020 |
|------|----|------|-----|--------|-----|------|
| A ~. |    | -//1 | ich | :1:4:, | ۱۵۱ |      |

| (M\$)   | Less than<br>one year | 1-2 years | 2-3 years | 3-4 years | 4-5 years | More than 5 years | Total    |
|---|-----------------------|-----------|-----------|-----------|-----------|-------------------|----------|
| Non-current financial debt (notional value excluding interests)         | -                     | (9,849)   | (5,762)   | (5,990)   | (4,321)   | (30,951)          | (56,873) |
| Non-current financial assets excluding derivative financial instruments | -                     | 59        | 42        | 45        | 46        | 1,259             | 1,451    |
| Current borrowings  | (17,099)              | -         | -         | -         | -         | -                 | (17,099) |
| Other current financial liabilities                                     | (203)                 | -         | -         | -         | -         | -                 | (203)    |
| Current financial assets  | 4,630                 | -         | -         | -         | -         | -                 | 4,630    |
| Assets and liabilities available for sale or exchange                   | (313)                 | -         | -         | -         | -         | -                 | (313)    |
| Cash and cash equivalents   | 31,268                | -         | -         | -         | -         | -                 | 31,268   |
| Net amount before financial expense                                     | 18,283                | (9,790)   | (5,720)   | (5,945)   | (4,275)   | (29,692)          | (37,139) |
| Financial expense on non-current financial debt                         | (930)                 | (888)     | (825)     | (696)     | (603)     | (5,833)           | (9,775)  |
| Interest differential on swaps  | (163)                 | (149)     | (158)     | (173)     | (196)     | (930)             | (1,769)  |
| Net amount  | 17,190                | (10,827)  | (6,703)   | (6,814)   | (5,074)   | (36,455)          | (48,683) |

#### As of December 31, 2019 Assets/(Liabilities)

| Assets/(Liabilities)  | Less than |           |           |           |           | More than | Tatal    |
|---|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| (M\$)   | one year  | 1-2 years | 2-3 years | 3-4 years | 4-5 years | 5 years   | Total    |
| Non-current financial debt (notional value excluding interests)         | -         | (5,683)   | (6,102)   | (5,172)   | (5,802)   | (24,435)  | (47,194) |
| Non-current financial assets excluding derivative financial instruments | -         | 68        | 24        | 9         | 4         | 228       | 333      |
| Current borrowings  | (14,819)  | -         | -         | -         | -         | -         | (14,819) |
| Other current financial liabilities                                     | (487)     | -         | -         | -         | -         | -         | (487)    |
| Current financial assets  | 3,992     | -         | -         | -         | -         | -         | 3,992    |
| Assets and liabilities available for sale or exchange                   | (301)     | -         | -         | -         | -         | -         | (301)    |
| Cash and cash equivalents   | 27,352    | -         | -         | -         | -         | -         | 27,352   |
| Net amount before financial expense                                     | 15,737    | (5,615)   | (6,078)   | (5,163)   | (5,798)   | (24,207)  | (31,124) |
| Financial expense on non-current financial debt                         | (807)     | (724)     | (650)     | (594)     | (482)     | (2,215)   | (5,472)  |
| Interest differential on swaps  | (350)     | (325)     | (297)     | (255)     | (224)     | (1,046)   | (2,497)  |
| Net amount  | 14,580    | (6,664)   | (7,025)   | (6,012)   | (6,504)   | (27,468)  | (39,093) |

## As of December 31, 2018

| Assets/(Liabilities)  | Less than |           |           |           |           | More than | Total    |
|---|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| (M\$)   | one year  | 1-2 years | 2-3 years | 3-4 years | 4-5 years | 5 years   | 1014     |
| Non-current financial debt (notional value excluding interests) | -         | (5,432)   | (3,966)   | (5,158)   | (4,983)   | (19,910)  | (39,449) |
| Current borrowings  | (13,306)  | -         | -         | -         | -         | -         | (13,306) |
| Other current financial liabilities                             | (478)     | -         | -         | -         | -         | -         | (478)    |
| Current financial assets  | 3,654     | -         | -         | -         | -         | -         | 3,654    |
| Assets and liabilities available for sale or exchange           | 15        | -         | -         | -         | -         | -         | 15       |
| Cash and cash equivalents                                       | 27,907    | -         | -         | -         | -         | -         | 27,907   |
| Net amount before financial expense                             | 17,792    | (5,432)   | (3,966)   | (5,158)   | (4,983)   | (19,910)  | (21,657) |
| Financial expense on non-current financial debt                 | (718)     | (682)     | (598)     | (506)     | (427)     | (1,037)   | (3,968)  |
| Interest differential on swaps                                  | (484)     | (412)     | (369)     | (309)     | (234)     | (869)     | (2,677)  |
| Net amount  | 16,590    | (6,526)   | (4,933)   | (5,973)   | (5,644)   | (21,816)  | (28,302) |

The following table sets forth financial assets and liabilities related to operating activities as of December 31, 2020, 2019 and 2018 (see Note 14 of the Notes to the Consolidated Financial Statements).

# As of December 31, Assets/(Liabilities)

| According   |          |          |          |
|---|----------|----------|----------|
| (M\$)   | 2020     | 2019     | 2018     |
| Accounts payable  | (23,574) | (28,394) | (26,134) |
| Other operating liabilities   | (14,302) | (16,262) | (13,286) |
| including derivative financial instruments related to commodity contracts (liabilities) | (3,666)  | (5,333)  | (3,429)  |
| Accounts receivable, net  | 14,068   | 18,488   | 17,270   |
| Other operating receivables   | 8,043    | 11,506   | 9,733    |
| including derivative financial instruments related to commodity contracts (assets)      | 1,428    | 4,791    | 2,731    |
| Total   | (15,765) | (14,662) | (12,417) |

These financial assets and liabilities mainly have a maturity date below one year.

#### Credit risk

Credit risk is defined as the risk of the counterparty to a contract failing to perform or pay the amounts due.

The Group is exposed to credit risks in its operating and financing activities. The Group's maximum exposure to credit risk is partially related to financial assets recorded on its balance sheet, including energy derivative instruments that have a positive market value.

The following table presents the Group's maximum credit risk exposure:

## As of December 31,

| Assets/(Liabilities) (M\$)  | 2020   | 2019   | 2018   |
|---|--------|--------|--------|
| Loans to equity affiliates (note 8)   | 5,129  | 3,999  | 4,755  |
| Loans and advances (note 6)   | 2,458  | 1,982  | 1,877  |
| Other non-current financial assets related to operational activities (note 6) | 287    | 332    | 471    |
| Non-current financial assets (note 15.1)                                      | 4,781  | 912    | 680    |
| Accounts receivable (note 5)  | 14,068 | 18,488 | 17,270 |
| Other operating receivables (note 5)  | 8,043  | 11,506 | 9,733  |
| Current financial assets (note 15.1)  | 4,630  | 3,992  | 3,654  |
| Cash and cash equivalents (note 15.1)   | 31,268 | 27,352 | 27,907 |
| Total   | 70,664 | 68,563 | 66,347 |

The valuation allowance on accounts receivable, other operating receivables and on loans and advances is detailed in Notes 5 and 6 to the Consolidated Financial Statements.

As part of its credit risk management related to operating and financing activities, the Group has developed margining agreements with certain counterparties. As of December 31, 2020, the net margin call paid amounted to \$(1,556) million (against \$2,486 million paid as of December 31, 2019 and \$2,581 million paid as of December 31, 2018).

The Group has established a number of programs for the sale of receivables, without recourse, with various banks, primarily to reduce its exposure to such receivables. As a result of these programs the Group retains no risk of payment default after the sale, but may continue to service the customer accounts as part of a service arrangement on behalf of the buyer and is required to pay to the buyer payments it receives from the customers relating to the receivables sold. As of December 31, 2020, the net value of receivables sold amounted to \$6,446 million. The Group has substantially transferred all the risks and rewards related to receivables. No financial asset or liability remains recognized in the consolidated balance sheet after the date of sale.

Furthermore, in 2020 the Group conducted several operations of reverse factoring for a value of \$23 million.

Credit risk is managed by the Group's business segments as follows:

### Exploration & Production segment

Risks arising under contracts with government authorities or other oil companies or under long-term supply contracts necessary for the development of projects are evaluated during the project approval process. The long-term aspect of these contracts and the high-quality of the other parties lead to a low level of credit risk.

Risks related to commercial operations, other than those described above (which are, in practice, directly monitored by subsidiaries), are subject to procedures for establishing credit limits and reviewing outstanding balances.

#### Integrated Gas, Renewables & Power segment

- Gas & Power activities

Trading Gas & Power activities deal with counterparties in the energy, industrial and financial sectors throughout the world. Financial institutions providing credit risk coverage are highly rated international banks and insurance groups.

Potential counterparties are subject to credit assessment and approval before concluding transactions and are thereafter subject to regular review, including re-appraisal and approval of the limits previously granted.

The creditworthiness of counterparties is assessed based on an analysis of quantitative and qualitative data regarding financial standing and business risks, together with the review of any relevant third party and market information, such as data published by rating agencies. On this basis, credit limits are defined for each potential counterparty and, where appropriate, transactions are subject to specific authorizations.

Credit exposure, which is essentially an economic exposure or an expected future physical exposure, is permanently monitored and subject to sensitivity measures.

Credit risk is mitigated by the systematic use of industry standard contractual frameworks that permit netting, enable requiring added security in case of adverse change in the counterparty risk, and allow for termination of the contract upon occurrence of certain events of default.

About the Professionals and Retail Gas and Power Sales activities, credit risk management policy is adapted to the type of customer either through the use of procedures of prepayments and appropriate collection, especially for mass customers or through credit insurances and sureties/guarantees obtaining. For the Professionals segment, the segregation of duties between the commercial and financial teams allows an "a priori" control of risks.

Renewables and Carbon Neutrality Businesses (CNB)

Internal procedures for the Renewables division and the Carbon Neutrality Business division include rules on credit risk management. Procedures to monitor customer risk are defined at the local level, especially for SunPower, Saft and Greenflex (rules for the approval of credit limits, use of guarantees, monitoring and assessment of the receivables portfolio,...).

#### Refining & Chemicals segment

#### Refining & Chemicals activities

Credit risk is primarily related to commercial receivables. Internal procedures of Refining & Chemicals include rules for the management of credit describing the fundamentals of internal control in this domain. Each Business Unit implements the procedures of the activity for managing and provisioning credit risk according to the size of the subsidiary and the market in which it operates. The principal elements of these procedures are:

- implementation of credit limits with different authorization schemes;
- use of insurance policies or specific guarantees (letters of credit);
- regular monitoring and assessment of overdue accounts (aging balance), including dunning procedures.

Counterparties are subject to credit assessment and approval prior to any transaction being concluded. Regular reviews are made for all active counterparties including a re-appraisal and renewing of the granted credit limits. The limits of the counterparties are assessed based on quantitative and qualitative data regarding financial standing, together with the review of any relevant third party and market information, such as that provided by rating agencies and insurance companies.

#### Trading & Shipping activities

Trading & Shipping deals with commercial counterparties and financial institutions located throughout the world. Counterparties to physical and derivative transactions are primarily entities involved in the oil and gas industry or in the trading of energy commodities, or financial institutions. Credit risk coverage is arranged with financial institutions, international banks and insurance groups selected in accordance with strict criteria.

The Trading & Shipping division applies a strict policy of internal delegation of authority in order to set up credit limits by country and counterparty and approval processes for specific transactions. Credit exposures contracted under these limits and approvals are monitored on a daily basis.

Potential counterparties are subject to credit assessment and approval prior to any transaction being concluded and all active counterparties are subject to regular reviews, including re-appraisal and approval of granted limits. The creditworthiness of counterparties is assessed based on an analysis of quantitative and qualitative data regarding financial standing and business risks, together with the review of any relevant third party and market information, such as ratings published by Standard & Poor's, Moody's Investors Service and other agencies.

Contractual arrangements are structured so as to maximize the risk mitigation benefits of netting between transactions wherever possible and additional protective terms providing for the provision of security in the event of financial deterioration and the termination of transactions on the occurrence of defined default events are used to the greatest permitted extent.

Credit risks in excess of approved levels are secured by means of letters of credit and other guarantees, cash deposits and insurance arrangements. In respect of derivative transactions, risks are secured by margin call contracts wherever possible.

## Marketing & Services segment

Internal procedures for the Marketing & Services division include rules on credit risk that describe the basis of internal control in this domain, including the separation of authority between commercial and financial operations.

Credit policies are defined at the local level and procedures to monitor customer risk are implemented (credit committees at the subsidiary level, the creation of credit limits for corporate customers, etc.). Each entity also implements monitoring of its outstanding receivables. Risks related to credit may be mitigated or limited by subscription of credit insurance and/or requiring security or guarantees.

## 16) Financial instruments related to commodity contracts

## 16.1) Financial instruments related to commodity contracts

## **Accounting policies**

Financial instruments related to commodity contracts, including crude oil, petroleum products, gas, and power purchase/sales contracts within the trading activities, together with the commodity contract derivative instruments such as energy contracts and forward freight agreements, are used to adjust the Group's exposure to price fluctuations within global trading limits. According to the industry practice, these instruments are considered as held for trading. Changes in fair value are recorded in the statement of income. The fair value of these instruments is recorded in "Other current assets" or "Other creditors and accrued liabilities" depending on whether they are assets or liabilities.

The valuation methodology is to mark-to-market all open positions for both physical and paper transactions. The valuations are determined on a daily basis using observable market data based on organized and over the counter (OTC) markets. In particular cases when market data is not directly available, the valuations are derived from observable data such as arbitrages, freight or spreads and market corroboration. For valuation of risks which are the result of a calculation, such as options for example, commonly known models are used to compute the fair value.

#### As of December 31, 2020

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| (M\$)   | Gross value<br>before offsetting be<br>- assets | Gross value efore offsetting - liabilities | Amounts<br>offset<br>- assets <sup>(c)</sup> | Amounts<br>offset<br>- liabilities <sup>(c)</sup> | Net balance<br>sheet value<br>presented | Net balance<br>sheet value a<br>presented |    | Net carrying amount | Fair<br>value <sup>(b)</sup> |
|---|---|--|--|---|---|---|----|---------------------|------------------------------|
| Assets / (Liabilities) Crude oil, petroleum products and freight rates activities |   |  |  |   | - assets                                | - liabilities                             |    |                     |                              |
| Petroleum products, crude oil and freight rate swaps                              | 302   | (443)                                      | (207)  | 207   | 95                                      | (236)                                     | -  | (141)               | (141)                        |
| Forwards <sup>(a)</sup>   | 158   | (297)                                      | (13)   | 13  | 145                                     | (284)                                     | -  | (139)               | (139)                        |
| Options   | 113   | (125)                                      | (68)   | 68  | 45                                      | (57)                                      | -  | (12)                | (12)                         |
| Futures   | -   | -  | -  | -   | -                                       | -   | -  | -                   | -                            |
| Options on futures  | 117   | (135)                                      | (117)  | 117   | -                                       | (18)                                      | -  | (18)                | (18)                         |
| Other / Collateral  | -   | -  | -  | -   | -                                       | -   | 43 | 43                  | 43                           |
| Total crude oil,<br>petroleum products and<br>freight rates                       | 690   | (1,000)                                    | (405)  | 405   | 285                                     | (595)                                     | 43 | (267)               | (267)                        |
| Integrated Gas,<br>Renewables & Power<br>activities                               |   |  |  |   |   |   |    |                     |                              |
| Swaps   | 10  | (71)                                       | -  | -   | 10                                      | (71)                                      | -  | (61)                | (61)                         |
| Forwards <sup>(a)</sup>   | 1,372   | (3,113)                                    | (186)  | 186   | 1,186                                   | (2,927)                                   | -  | (1,741)             | (1,741)                      |
| Options   | (61)  | (75)                                       | (13)   | 13  | (74)                                    | (62)                                      | -  | (136)               | (136)                        |
| Futures   | 42  | (32)                                       | (21)   | 21  | 21                                      | (11)                                      | -  | 10                  | 10                           |
| Other / Collateral  | -   | -  | -  | -   | -                                       | -   | 22 | 22                  | 22                           |
| Total Integrated Gas, Renewables & Power  | 1,363   | (3,291)                                    | (220)  | 220   | 1,143                                   | (3,071)                                   | 22 | (1,906)             | (1,906)                      |
| Total   | 2,053   | (4,291)                                    | (625)  | 625   | 1,428                                   | (3,666)                                   | 65 | (2,173)             | (2,173)                      |

Total of fair value non recognized in the balance sheet

<sup>(</sup>a) Forwards: contracts resulting in physical delivery are accounted for as derivative commodity contracts and included in the amounts shown.

<sup>(</sup>b) When the fair value of derivatives listed on an organized exchange market (futures, options on futures and swaps) is offset with the margin call received or paid in the balance sheet, this fair value is set to zero.

<sup>(</sup>c) Amounts offset in accordance with IAS 32.

#### As of December 31, 2019

(M\$)

| Assets / (Liabilities)  | Gross value<br>before offsetting b<br>- assets | Gross value<br>efore offsetting<br>- liabilities | Amounts<br>offset<br>- assets <sup>(c)</sup> | Amounts<br>offset<br>- liabilities <sup>(c)</sup> | Net balance<br>sheet value<br>presented<br>- assets |         | amounts not offset | Net carrying amount | Fair<br>value <sup>(b)</sup> |
|---|--|--|--|---|---|---------|--------------------|---------------------|------------------------------|
| Crude oil, petroleum<br>products and freight<br>rates activities<br>Petroleum products, crude |  |  |  |   |   |         |                    |                     |                              |
| oil and freight rate swaps  | 152  | (244)  | (73)   | 73  | 79  | (171)   | -                  | (92)                | (92)                         |
| Forwards <sup>(a)</sup>   | 300  | (297)  | (3)  | 3   | 297   | (294)   | -                  | 3                   | 3                            |
| Options   | 73   | (106)  | -  | -   | 73  | (106)   | -                  | (33)                | (33)                         |
| Futures   | -  | -  | -  | -   | -   | -       | -                  | -                   | -                            |
| Options on futures  | -  | (160)  | -  | -   | -   | (160)   | -                  | (160)               | (160)                        |
| Other / Collateral  | -  | -  | -  | -   | -   | -       | 147                | 147                 | 147                          |
| Total crude oil,<br>petroleum products and<br>freight rates                                   | 525  | (807)  | (76)   | 76  | 449   | (731)   | 147                | (135)               | (135)                        |
| Integrated Gas,<br>Renewables & Power<br>activities   |  |  |  |   |   |         |                    |                     |                              |
| Swaps   | 469  | 9  | 39   | (39)  | 508   | (30)    | -                  | 478                 | 478                          |
| Forwards <sup>(a)</sup>   | 4,080  | (4,831)  | (296)  | 296   | 3,784   | (4,535) | -                  | (751)               | (751)                        |
| Options   | 76   | (37)   | (28)   | 28  | 48  | (9)     | -                  | 39                  | 39                           |
| Futures   | 17   | (43)   | (15)   | 15  | 2   | (28)    | -                  | (26)                | (26)                         |
| Other / Collateral  | -  | _  | -  | -   | -   | -       | (772)              | (772)               | (772)                        |
| Total Integrated Gas,<br>Renewables & Power   | 4,642  | (4,902)  | (300)  | 300   | 4,342   | (4,602) | (772)              | (1,032)             | (1,032)                      |
| Total   | 5,167  | (5,709)  | (376)  | 376   | 4,791   | (5,333) | (625)              | (1,167)             | (1,167)                      |

Total of fair value non recognized in the balance sheet

<sup>(</sup>a) Forwards: contracts resulting in physical delivery are accounted for as derivative commodity contracts and included in the amounts shown.

<sup>(</sup>b) When the fair value of derivatives listed on an organized exchange market (futures, options on futures and swaps) is offset with the margin call received or paid in the balance sheet, this fair value is set to zero.

<sup>(</sup>c) Amounts offset in accordance with IAS 32.

#### As of December 31, 2018

| (M\$)   | Gross value<br>before offsetting be<br>- assets | Gross value efore offsetting | Amounts<br>offset<br>- assets <sup>(c)</sup> | Amounts<br>offset<br>- liabilities <sup>(c)</sup> | Net balance<br>sheet value<br>presented | Net balance<br>sheet value<br>presented | Other amounts not offset | Net carrying amount | Fair<br>value <sup>(b)</sup> |
|---|---|------------------------------|--|---|---|---|--------------------------|---------------------|------------------------------|
| Assets / (Liabilities)                                |   |                              |  |   | - assets                                | - liabilities                           |                          |                     |                              |
| Crude oil, petroleum products and freight             |   |                              |  |   |   |   |                          |                     |                              |
| rates activities                                      |   |                              |  |   |   |   |                          |                     |                              |
| Petroleum products, crude                             |   |                              |  |   |   |   |                          |                     |                              |
| oil and freight rate swaps                            | 389   | (272)                        | (140)  | 140   | 249                                     | (132)                                   | -                        | 117                 | 117                          |
| Forwards <sup>(a)</sup>                               | 243   | (373)                        | (59)   | 59  | 184                                     | (314)                                   | -                        | (130)               | (130)                        |
| Options   | 243   | (363)                        | (156)  | 156   | 87                                      | (207)                                   | -                        | (120)               | (120)                        |
| Futures   | 10  | -                            | -  | -   | 10                                      | -                                       | -                        | 10                  | 10                           |
| Options on futures                                    | 529   | (689)                        | (529)  | 529   | -                                       | (160)                                   | -                        | (160)               | (160)                        |
| Other / Collateral                                    | =   | =                            | -  | -   | -                                       |   | (118)                    | (118)               | (118)                        |
| Total crude oil, petroleum products and freight rates | 1,414   | (1,697)                      | (884)  | 884   | 530                                     | (813)                                   | (118)                    | (401)               | (401)                        |
| Integrated Gas,<br>Renewables & Power<br>activities   |   |                              |  |   |   |   |                          |                     |                              |
| Swaps   | 18  | (624)                        | (6)  | 6   | 12                                      | (618)                                   | -                        | (606)               | (606)                        |
| Forwards <sup>(a)</sup>                               | 2,492   | (2,285)                      | (316)  | 316   | 2,176                                   | (1,969)                                 | -                        | 207                 | 207                          |
| Options   | 3   | (20)                         | (18)   | 18  | (15)                                    | (2)                                     | -                        | (17)                | (17)                         |
| Futures   | 126   | (125)                        | (98)   | 98  | 28                                      | (27)                                    | -                        | 1                   | 1                            |
| Other / Collateral                                    | -   | -<br>-                       | -  | -   | -                                       | -                                       | 445                      | 445                 | 445                          |
| Total Integrated Gas,<br>Renewables & Power           | 2,639   | (3,054)                      | (438)  | 438   | 2,201                                   | (2,616)                                 | 445                      | 30                  | 30                           |
| Total   | 4,053   | (4,751)                      | (1,322)                                      | 1,322   | 2,731                                   | (3,429)                                 | 327                      | (371)               | (371)                        |

Total of fair value non recognized in the balance sheet

Commitments on crude oil and refined products have, for the most part, a short-term maturity (less than one year).

The changes in fair value of financial instruments related to commodity contracts are detailed as follows:

| For the year ended December 31, (M\$)                      | Fair value<br>as of January 1, | •     | Settled contracts | Other | Fair value<br>as of December<br>31, |
|--|--------------------------------|-------|-------------------|-------|-------------------------------------|
| Crude oil, petroleum products and freight rates activities |                                |       |                   |       | - <u>,</u>                          |
| 2020   | (282)                          | 3,813 | (3,841)           | -     | (310)                               |
| 2019   | (283)                          | 4,189 | (4,188)           | -     | (282)                               |
| 2018   | (223)                          | 2,689 | (2,749)           | -     | (283)                               |
| Integrated Gas, Renewables & Power activities              |                                |       |                   |       |                                     |
| 2020   | (260)                          | 676   | (2,348)           | 4     | (1,928)                             |
| 2019   | (415)                          | 1,588 | (686)             | (747) | (260)                               |
| 2018   | 416                            | 1,220 | (2,057)           | 6     | (415)                               |

In 2019, the Other column mainly included the acquisition of Toshiba's LNG portfolio, for which financial instruments related to commodity contracts had been recognized for the amount of treasury received.

<sup>(</sup>a) Forwards: contracts resulting in physical delivery are accounted for as derivative commodity contracts and included in the amounts shown.

<sup>(</sup>b) When the fair value of derivatives listed on an organized exchange market (futures, options on futures and swaps) is offset with the margin call received or paid in the balance sheet, this fair value is set to zero.

<sup>(</sup>c) Amounts offset in accordance with IAS 32.

The fair value hierarchy for financial instruments related to commodity contracts is as follows:

| As of December 31, 2020<br>(M\$)                           | Quoted prices<br>in active markets for<br>identical<br>assets (level 1) | Prices based on<br>observable data<br>(level 2) | Prices based on<br>non observable<br>data (level 3) | Total   |
|--|---|---|---|---------|
| Crude oil, petroleum products and freight rates activities | 10  | (320)   | -   | (310)   |
| Integrated Gas, Renewables & Power activities              | (159)   | (361)   | (1,408)   | (1,928) |
| Total  | (149)   | (681)   | (1,408)   | (2,238) |

| As of December 31, 2019 (M\$)                              | Quoted prices<br>in active markets for<br>identical<br>assets (level 1) | Prices based on<br>observable data<br>(level 2) | Prices based on<br>non observable<br>data (level 3) | Total |
|--|---|---|---|-------|
| Crude oil, petroleum products and freight rates activities | (182)   | (172)   | 72  | (282) |
| Integrated Gas, Renewables & Power activities              | 392   | 2,054   | (2,706)   | (260) |
| Total  | 210   | 1,882   | (2,634)   | (542) |

| As of December 31, 2018 (M\$)                              | Quoted prices<br>in active markets for<br>identical<br>assets (level 1) | Prices based on<br>observable data<br>(level 2) | Prices based on<br>non observable<br>data (level 3) | Total |
|--|---|---|---|-------|
| Crude oil, petroleum products and freight rates activities | (303)   | 20  | -   | (283) |
| Integrated Gas, Renewables & Power activities              | 424   | (638)   | (201)   | (415) |
| Total  | 121   | (618)   | (201)   | (698) |

Financial instruments classified as level 3 are mainly composed of long-term liquefied natural gas purchase and sale contracts which relate to the trading activity.

For the purpose of valuation and accounting of LNG contracts, the Group refers to the active management horizon for trading positions which corresponds to 12 months in 2019 and in 2020. The management of positions being carried out on a net value of LNG purchase and sale commitments, the applied valuation method is the contractual portfolio method based mostly on observable market data such as the prices of energy commodities forward contracts.

Concerning the period beyond the management horizon, a sensitivity analysis is carried out to verify that no liability should be recognized. The assumptions used are based on internal assumptions such as the oil and gas price trajectories adopted by the Group, prices renegotiation clauses included in long-term contracts, uncertainties related to contracts execution and flexibilities included in LNG contracts.

This sensitivity analysis highlights that the valuation method of the LNG contracts is sensitive to market risks, and more specifically to the price risk resulting from the volatility of oil and natural gas prices on North American, Asian, and European markets, and to the valuation of flexibilities, and that beyond the active management horizon of 12 months, a 10% change of the spread between gas prices in the US and Asia would have an estimated annual impact of +/- 0.1 B\$ on the margin of the contractual portfolio for the following year.

The description of each fair value level is presented in Note 15 to the Consolidated Financial Statements.

## Cash Flow hedge

The impact on the statement of income and other comprehensive income of the hedging instruments related to commodity contracts and qualified as cash flow hedges is detailed as follows:

#### As of December 31

| (M\$)  | 2020 | 2019 | 2018 |
|--|------|------|------|
| Profit (Loss) recorded in other comprehensive income of the period         | 14   | (14) | 3    |
| Recycled amount from other comprehensive income to the income statement of |      |      |      |
| the period   | (1)  | -    | (3)  |

These financial instruments are mainly one year term Henry Hub derivatives and European gas, power and CO<sub>2</sub> emission rights derivatives.

As of December 31, 2020, the ineffective portion of these financial instruments is nil (in 2019 and in 2018 the ineffective portion of these financial instruments was nil).

### 16.2) Oil, Gas and Power markets related risks management

Due to the nature of its business, the Group has significant oil and gas trading activities as part of its day-to-day operations in order to optimize revenues from its oil and gas production and to obtain favorable pricing to supply its refineries.

In its international oil trading business, the Group follows a policy of not selling its future production. However, in connection with this trading business, the Group, like most other oil companies, uses energy derivative instruments to adjust its exposure to price fluctuations of crude oil, refined products, natural gas, and power. The Group also uses freight rate derivative contracts in its shipping business to adjust its exposure to freight-rate fluctuations. To hedge against this risk, the Group uses various instruments such as futures, forwards, swaps and options on organized markets or over-the-counter markets. The list of the different derivatives held by the Group in these markets is detailed in Note 16.1 to the Consolidated Financial Statements.

The Trading & Shipping division measures its market risk exposure, *i.e.* potential loss in fair values, on its crude oil, refined products and freight rates trading activities using a "value-at-risk" technique. This technique is based on an historical model and makes an assessment of the market risk arising from possible future changes in market values over a 24-hour period. The calculation of the range of potential changes in fair values is based on the end-of-day exposures and historical price movements of the last 400 business days for all traded instruments and maturities. Options are systematically re-evaluated using appropriate models.

The "value-at-risk" represents the most unfavorable movement in fair value obtained with a 97.5% confidence level. This means that the Group's portfolio result is likely to exceed the value-at-risk loss measure once over 40 business days if the portfolio exposures were left unchanged.

#### Trading & Shipping: "value-at-risk with" a 97.5% probability

#### As of December 31,

| (M\$) | High | Low | Average | Year end |
|-------|------|-----|---------|----------|
| 2020  | 30   | 6   | 15      | 19       |
| 2019  | 28   | 9   | 17      | 21       |
| 2018  | 21   | 5   | 12      | 7        |

As part of its gas and power trading activity, the Group also uses derivative instruments such as futures, forwards, swaps and options in both organized and over-the-counter markets. In general, the transactions are settled at maturity date through physical delivery. The Gas division measures its market risk exposure, i.e. potential loss in fair values, on its trading business using a "value-at-risk" technique. This technique is based on an historical model and makes an assessment of the market risk arising from possible future changes in market values over a one-day period. The calculation of the range of potential changes in fair values takes into account a snapshot of the end-of-day exposures and the set of historical price movements for the past two years for all instruments and maturities in the global trading business.

#### Integrated Gas, Renewables & Power division trading: "value-at-risk" with a 97.5% probability

#### As of December 31,

| (M\$) | High | Low | Average | Year end |
|-------|------|-----|---------|----------|
| 2020  | 51   | 6   | 21      | 27       |
| 2019  | 83   | 10  | 20      | 64       |
| 2018  | 20   | 3   | 10      | 10       |

The Group has implemented strict policies and procedures to manage and monitor these market risks. These are based on the separation of control and front-office functions and on an integrated information system that enables real-time monitoring of trading activities.

Limits on trading positions are approved by the Group's Executive Committee and are monitored daily. To increase flexibility and encourage liquidity, hedging operations are performed with numerous independent operators, including other oil companies, major energy producers or consumers and financial institutions. The Group has established counterparty limits and monitors outstanding amounts with each counterparty on an ongoing basis.

## 17) Post closing events

There was no post closing event.

## 18) Consolidation scope

As of December 31, 2020, 1,118 entities are consolidated of which 146 are accounted for under the equity method (E).

The table below presents a comprehensive list of the Group consolidated entities:

| usiness segment<br>xploration & Production | _  |   |          |  |   |
|--|--|---|----------|--|---|
| xploration & Production                    | Statutory corporate name   | % Group interest  | Method   | Country of incorporation   | Country of operations   |
|  | Abu Dhabi Gas Industries Limited   | 15,00%  | E        | United Arab Emirates   | United Arab Emirates  |
|  | Abu Dhabi Marine Areas Limited   | 33,33%  | E        | United Kingdom   | United Arab Emirates  |
|  | Angola Block 14 B.V.   | 50,01%  | -        | Netherlands  | Angola  |
|  | Angola LNG Supply Services, LLC  | 13,60%<br>15,00%  | -        | United States  | United States   |
|  | Bonny Gas Transport Limited Brass Holdings B.V.  | 100,00%   | _        | Bermuda<br>Netherlands   | Nigeria<br>Nigeria  |
|  | Brass LNG Limited  | 20,48%  | F        | Nigeria  | Nigeria   |
|  | Deer Creek Pipelines Limited   | 75,00%  | _        | Canada   | Canada  |
|  | Dolphin Energy Limited   | 24,50%  | F        | United Arab Emirates   | United Arab Emirates  |
|  | E.F. Oil And Gas Limited   | 100,00%   | _        | United Kingdom   | United Kingdom  |
|  | Elf E&P  | 100,00%   |          | France   | France  |
|  | Elf Exploration UK Limited   | 100,00%   |          | United Kingdom   | United Kingdom  |
|  | Elf Petroleum Iran   | 100,00%   |          | France   | Iran  |
|  | Elf Petroleum UK Limited   | 100,00%   |          | United Kingdom   | United Kingdom  |
|  | Gas Investment and Services Company Limited  | 10,00%  | E        | Bermuda  | Oman  |
|  | Mabruk Oil Operations  | 49,02%  |          | France   | Libya   |
|  | Moattama Gas Transportation Company Limited  | 31,24%  | E        | Bermuda  | Myanmar   |
|  | Norpipe Oil A/S  | 34,93%  | E        | Norway   | Norway  |
|  | Norpipe Petroleum UK Limited   | 45,22%  | E        | United Kingdom   | Norway  |
|  | Norpipe Terminal Holdco Limited  | 45,22%  | E        | United Kingdom   | Norway  |
|  | Norsea Pipeline Limited  | 45,22%  | E        | United Kingdom   | Norway  |
|  | North Oil Company  | 30,00%  | E        | Qatar  | Qatar   |
|  | Novatek  | 19,40%  | E        | Russia   | Russia  |
|  | Pars LNG Limited   | 40,00%  | E        | Bermuda  | Iran  |
|  | Petrocedeno  | 30,32%  | E        | Venezuela  | Venezuela   |
|  | Private Oil Holdings Oman Limited  | 10,00%  | E        | United Kingdom   | Oman  |
|  | Stogg Eagle Funding B.V.   | 100,00%   |          | Netherlands  | Nigeria   |
|  | Tepkri Sarsang A/S   | 100,00%   |          | Denmark  | Iraq  |
|  | Termokarstovoye S.A.S.   | 100,00%   |          | France   | France  |
|  | Terneftegaz JSC (a)  | 58,89%  | E        | Russia   | Russia  |
|  | Total (BTC) B.V.   | 100,00%   |          | Netherlands  | Azerbaijan  |
|  | Total Abu Al Bu Khoosh   | 100,00%   |          | France   | United Arab Emirates  |
|  | Total Austral  | 100,00%   |          | France   | Argentina   |
|  | Total Brazil Services B.V.   | 100,00%   |          | Netherlands  | Netherlands   |
|  | Total Danmark Pipelines A/S  | 100,00%   |          | Denmark  | Denmark   |
|  | Total Denmark ASW Pipeline ApS   | 100,00%   |          | Denmark  | Denmark   |
|  | Total Denmark ASW, Inc.  | 100,00%   |          | United States  | Denmark   |
|  | Total Dolphin Midstream  | 100,00%   |          | France   | France  |
|  | Total E&P Chissonga  | 100,00%   |          | France   | Angola  |
|  | Total E&P Absheron B.V.  | 100,00%   |          | Netherlands  | Azerbaijan  |
|  | Total E&P Al Shaheen A/S   | 100,00%   |          | Denmark  | Qatar   |
|  | Total E&P Algerie  | 100,00%   |          | France   | Algeria   |
|  | Total E&P Algerie Berkine A/S  | 100,00%   |          | Denmark  | Algeria   |
|  | Total E&P Americas, LLC  | 100,00%   |          | United States  | United States   |
|  | Total E&P Anchor, LLC  | 100,00%   |          | United States  | United States   |
|  | Total E&P Angola   | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 15/06   | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 16  | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 16 Holdings   | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 17.06   | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 25  | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 32  | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 33  | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 39  | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 40  | 100,00%   |          | France   | Angola  |
|  | Total E&P Angola Block 48 B.V.   | 100,00%   |          | Netherlands  | Angola  |
|  | Total E&P Angola Blocks 20-21  | 100,00%   |          | France   | Angola  |
|  | Total E&P Aruba B.V.   | 100,00%   |          | Netherlands  | Aruba   |
|  | Total E&P Asia Pacific Pte. Limited  | 100,00%   |          | Singapore  | Singapore   |
|  | Total E&P Azerbaijan B.V.  | 100,00%   |          | Netherlands  | Azerbaijan  |
|  | Total E&P Bolivie  | 100,00%   |          | France   | Bolivia   |
|  | Total E&P Borneo B.V.  | 100,00%   |          | Netherlands  | Brunei  |
|  | Total E&P Bulgaria B.V.  | 100,00%   |          | Netherlands  | Bulgaria  |
|  | Total E&P Cambodge   | 100,00%   |          | France   | Cambodia  |
|  | Total E&P Canada Limited   | 100,00%   |          | Canada   | Canada  |
|  | Total E&P Chine  | 100,00%   |          | France   | China   |
|  | Total E&P Colombie   | 100,00%   |          | France   | Colombia  |
|  | Total E&P Congo  | 85,00%  | <b>—</b> | Congo  | Congo   |
|  | Total E&P Cote d'Ivoire  | 100,00%   | <b>—</b> | France   | Côte d'Ivoire   |
|  | Total E&P Cote d'Ivoire CL - 514   | 100,00%   |          | France   | Côte d'Ivoire   |
|  | Total E&P Cote d'Ivoire CI - 515 Total E&P Cote d'Ivoire B.V.  | 100,00%<br>100,00%  |          | France<br>Netherlands  | Côte d'Ivoire<br>Côte d'Ivoire  |
|  | Total E&P Cyprus B.V.  | 100,00%   |          | Netherlands<br>Netherlands   |   |
|  |  | 100,00%   |          | recordina a  | Cyprus<br>Denmark   |
|  | Total F&P Danmark A/S - CPH  | 100 000/  |          | Denmark  |   |
|  | Total E&P Danmark A/S - CPH Total E&P Danmark A/S - FRI  | 100,00%   |          | Denmark<br>Denmark   |   |
|  | Total E&P Danmark A/S -EBJ   | 100,00%   |          | Denmark  | Denmark   |
|  | Total E&P Danmark A/S -EBJ<br>Total E&P Do Brasil Ltda   | 100,00%<br>100,00%  |          | Denmark<br>Brazil  | Denmark<br>Brazil   |
|  | Total E&P Danmark A/S -EBJ   | 100,00%<br>100,00%<br>100,00%   |          | Denmark<br>Brazil<br>France  | Denmark<br>Brazil<br>Qatar  |
|  | Total E&P Danmark A/S -EBJ Total E&P Do Brasii Ltda Total E&P Dolphin Upstream Total E&P Dunga GmbH  | 100,00%<br>100,00%<br>100,00%<br>100,00%  |          | Denmark<br>Brazil<br>France<br>Germany   | Denmark<br>Brazil<br>Qatar<br>Kazakhstan  |
|  | Total E&P Danmark A/S -EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream   | 100,00%<br>100,00%<br>100,00%   |          | Denmark<br>Brazil<br>France<br>Germany<br>Netherlands  | Denmark<br>Brazil<br>Qatar<br>Kazakhstan<br>Egypt   |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dunga GmbH Total E&P East El Burullus Offshore B.V. Total E&P Egypt Block 2 B.V.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   |          | Denmark<br>Brazil<br>France<br>Germany   | Denmark<br>Brazil<br>Qatar<br>Kazakhstan<br>Egypt<br>Egypt  |
|  | Total E&P Danmark A/S -EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dunga GmbH Total E&P East El Burullus Offshore B.V.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  |          | Denmark<br>Brazil<br>France<br>Germany<br>Netherlands<br>Netherlands   | Denmark<br>Brazil<br>Qatar<br>Kazakhstan<br>Egypt   |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dunga GmbH Total E&P East El Burullus Offshore B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypte  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   |          | Denmark Brazil France Germany Netherlands Netherlands France   | Denmark<br>Brazil<br>Qatar<br>Kazakhstan<br>Egypt<br>Egypt<br>Egypt   |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Eagn E Burulius Offshore B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypte Total E&P Egypte  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   |          | Denmark Brazil France Germany Netherlands Netherlands France United Kingdom  | Denmark Brazil Qatar Kazakhstan Egypt Egypt Egypt United Kingdom  |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dunga GmbH Total E&P East El Burullus Offshore B.V. Total E&P Egyt Block 2 B.V. Total E&P Egyt Block 2 B.V. Total E&P Egyte Block 2 B.V. Total E&P Egyte Block 2 B.V. Total E&P Egyte Block 2 B.V.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   |          | Denmark Brazil France Germany Netherlands Netherlands France United Kingdom France   | Denmark Brazil Qatar Kazakhstan Egypt Egypt Egypt United Kingdom France   |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dolphin Upstream Total E&P Dunga GmbH Total E&P East El Burullus Offshore B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypte Total E&P Egypte Total E&P France Total E&P France Total E&P Folice   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  |          | Denmark Brazii France Germany Netherlands Netherlands France United Kingdom France France France   | Denmark Brazil Qatar Kazakhstan Egypt Egypt Egypt United Kingdom France Qatar   |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dunga Gmbre Total E&P East El Burullus Offshore B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypte Total E&P Egypte Total E&P France  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  |          | Denmark Brazil France Germany Netherlands Netherlands France United Kingdom France France Netherlands  | Denmark Brazil Qatar Kazakhstan Egypt Egypt United Kingdom France Qatar Greece  |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dunga GmbH Total E&P Egypt Block 2 B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypt Block 3 B.V. Total E&P Egypte Total E&P Egypte Total E&P Egrope Total E&P Erance Total E&P Greece B.V. Total E&P Greece B.V. Total E&P Greece B.V.  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   |          | Denmark Brazil France Germany Netherlands Netherlands United Kingdom France France France Netherlands France France Netherlands Netherlands  | Denmark Brazil Qatar Kazakhstan Egypt Egypt United Kingdom France Qatar Greece Guyana   |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dolphin Upstream Total E&P Date EBP Burd EBP Bur | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  |          | Denmark Brazil France Germany Netherlands Netherlands France United Kingdom France France Netherlands France France France Netherlands Netherlands Netherlands Netherlands France  | Denmark Brazil Qatar Kazakhstan Egypt Egypt United Kingdom France Qatar Greece Guyana France  |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dolphin Upstream Total E&P Cast El Burullus Offshore B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypte Total E&P Egypte Total E&P Europe and Central Asia Limited Total E&P France Total E&P France Total E&P Forece B.V. Total E&P Golfe Limited Total E&P Greece B.V. Total E&P Guyana B.V. Total E&P Glyvane Francaise Total E&P Holdings Russia   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  |          | Denmark Brazil France Germany Netherlands Netherlands France United Kingdom France France Netherlands Netherlands France  | Denmark Brazil Qatar Kazakhstan Egypt Egypt United Kingdom France Qatar Greece Guyana France France France  |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dolphin Upstream Total E&P Burglius Offshore B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypt Eypte Total E&P Egypte Total E&P Errope and Central Asia Limited Total E&P France Total E&P Fornce Total E&P Fornce Total E&P France Total E&P France Total E&P Golfe Limited Total E&P Greece B.V. Total E&P Guyana B.V. Total E&P Guyane Francaise Total E&P Holdings Hussia Total E&P Holdings Hussia Total E&P Holdings UAE B.V.  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   |          | Denmark Brazil France Germany Netherlands Netherlands France United Kingdom France France Netherlands Netherlands France France Netherlands Netherlands France Netherlands Netherlands France France France Netherlands  | Denmark Brazil Qatar Kazakhstan Egypt Egypt United Kingdom France Qatar Greece Guyana France United Arab Emirates   |
|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dolphin Upstream Total E&P Dolphin Upstream Total E&P East El Burullus Offshore B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypte Total E&P Europe and Central Asia Limited Total E&P France Total E&P France Total E&P Greece B.V. Total E&P Golfe Limited Total E&P Greece B.V. Total E&P Glyana B.V. Total E&P Glyana B.V. Total E&P Holdings Russia Total E&P Holdings L&P B.V. Total E&P Holdings UAE B.V. Total E&P Holdings UAE B.V. Total E&P Holdings UAE B.V.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  |          | Denmark Brazil France Germany Netherlands Netherlands France United Kingdom France France Netherlands France France France Netherlands Netherlands Netherlands Netherlands France Netherlands France Netherlands France Netherlands France Netherlands France Netherlands France Netherlands   | Denmark Brazil Qatar Kazakhstan Egypt Egypt Egypt United Kingdom France Qatar Greece Guyana France France United Arab Emirates Kenya  |
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|  | Total E&P Danmark A/S - EBJ Total E&P Do Brasil Ltda Total E&P Dolphin Upstream Total E&P Dolphin Upstream Total E&P Dolphin Upstream Total E&P East El Burullus Offshore B.V. Total E&P Egypt Block 2 B.V. Total E&P Egypte Total E&P Egypte Total E&P Egrope and Central Asia Limited Total E&P France Total E&P France Total E&P Greece B.V. Total E&P Guyana B.V. Total E&P Globyana B.V. Total E&P Holdings Nussia Total E&P Holdings Nussia Total E&P Holdings UAE B.V. Total E&P International K1 Limited Total E&P International K3 Limited Total E&P International K3 Limited Total E&P International Limited Total E&P Ry Intelnation Limited Total E&P Ry Intelnation Limited Total E&P Ry Razakhstan Total E&P Karakhstan Region of Iraq (Harir) B.V. Total E&P Kurdistan Region of Iraq (Barir) B.V.  | 100,00%                         |          | Denmark Brazil France Germany Netherlands Netherlands France United Kingdom France France Netherlands Kenya United Kingdom France Netherlands Kenya United Kingdom France Netherlands  | Denmark Brazil Qatar Kazakhstan Egypt Egypt United Kingdom France Qatar Greece Guyana France United Arab Emirates Kenya Kenya Kenya Kenya Iraq Ireland Italy United States Denmark Kazakhstan Kenya Iraq Iraq Iraq Iraq Iraq Iraq Iraq Ira  |
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| March Colored Service   March Service   Marc   |                                    | Total F&P Lower 7akum R V  |  | Netherlands  |  |
|--|------------------------------------|--|--|--|--|
| Test in Property   19,000  |                                    |  |  |  |  |
|  |                                    |  |  |  |  |
| Page 12   Page   |                                    |  |  |  |  |
|  |                                    |  |  |  |  |
| Teach Principles   Content   |                                    |  |  |  |  |
| Transport   Tran   |                                    |  |  | Netherlands  | Mauritania   |
| Dec. 1714 Accounts of 1  |                                    | Total E&P Mauritanie   | 100,00%  | France   | Mauritania   |
| Section  |                                    | Total E&P Mexico S.A. de C.V.  | 100,00%  | Mexico   | Mexico   |
| Secretary Content  |                                    | Total E&P Mozambique B.V.  | 100,00%  | Netherlands  | Mozambique   |
| Valid Street (1985)  |                                    | Total E&P Myanmar  | 100,00%  | France   | Myanmar  |
| Page 20   Page   |                                    | Total E&P Namibia B.V.   | 100,00%  | Netherlands  | Namibia  |
| SOLIT   Print   Company   Activate   Solit   |                                    | Total E&P Nederland B.V.   | 100,00%  | Netherlands  | Netherlands  |
| SOLIT   Print   Company   Activate   Solit   |                                    | Total E&P New Ventures Inc.  | 100,00%  | United States  | United States  |
| TOTAL PROPERTY CONTROL CONTROL  TOTAL STATES AND CONTROL  TO   |                                    |  |  |  |  |
| Description of the Committee of the Co   |                                    |  |  |  |  |
| The company of the  |                                    | ů .  |  |  |  |
| Description of Control (1998)   1999   199   |                                    |  |  |  |  |
| The Following Segment Carelles (1996)   |                                    |  |  |  |  |
| Ent 15 Yeap Company of 1 Person   1,000   20 Person  |                                    |  |  |  |  |
| Decision   Control   Con   |                                    |  |  |  |  |
| Description   1900  |                                    |  |  |  |  |
| Description   Company  |                                    | Total E&P Nigeria Deepwater H Limited  | 100,00%  | Nigeria  | Nigeria  |
| Test   Mary  |                                    | Total E&P Nigeria Limited  | 100,00%  | Nigeria  | Nigeria  |
| Designation   Company  |                                    | Total E&P Nigeria S.A.S.   | 100,00%  | France   | France   |
| Test of Content  |                                    | Total E&P Norge AS   | 100,00%  | Norway   | Norway   |
| Test of Content  |                                    |  |  |  |  |
| Column   C   |                                    |  |  |  |  |
| Description   1.00  |                                    |  |  |  |  |
| Description   19,000   19,00   |                                    |  |  |  |  |
| Post 16   Post Company   Post Comp   |                                    |  |  |  |  |
| Foot 16th Recent Section (1997   1998   19   | 1                                  |  |  |  |  |
| The Company of Compa   | 1                                  |  |  |  |  |
| Model Affect Sections and Prompts N.   1,000,000   1   | 1                                  |  |  |  |  |
| Description of the Company Land   1990   1   | 1                                  | Total E&P Russie   | 100,00%  | France   | Russia   |
| Description of the Company Land   1990   1   | 1                                  | Total E&P Sao Tome and Principe B.V.   | 100,00%  | Netherlands  | Angola   |
| Total Act   Section Change content   1,000,000   1,0   | 1                                  |  |  |  |  |
| Land Lab Search Maries & 19   19   19   19   19   19   19   19   | 1                                  | ·  |  |  |  |
| Section of Section (1997)   1997  | 1                                  |  |  |  |  |
| March 16 Section Name  | 1                                  |  |  |  |  |
| Part of the Seath Seat   | 1                                  |  |  |  |  |
| Test of Extraction B.V.   100,000  | 1                                  |  |  |  |  |
| Total Call Park   1900.000   19   | 1                                  | Total E&P South Sudan  | 100,00%  |  | Republic of South Sudan  |
| Test CR3 Farm   Section  | 1                                  | Total E&P Suriname B.V.  | 100,00%  | Netherlands  | Suriname   |
| Test (24 Fightest 9 \)   | 1                                  |  |  | France   |  |
| Teal CLAP Trained   100,000   1  | 1                                  |  |  |  |  |
| Teal CEAP Trees PELLY.   100,000   Netherlands   0xel  |                                    |  |  |  |  |
| Test CEAP Trans Perdonn LLC  |                                    |  |  |  |  |
| Total EP LACE Deconnection Size SV   100,000   Referenceds   Special Control   |                                    |  |  |  |  |
| Foot LEAF Upperdix S.V.   1900.000   Implementary   1900.000   Imple   |                                    |  |  |  |  |
| Total 28 U. U. (missed   100,000   |                                    | Total E&P UAE Unconventional Gas B.V.  | 100,00%  | Netherlands  | United Arab Emirates   |
| Total ARP Union Start Base X   |                                    | Total E&P Uganda B.V.  | 100,00%  | Netherlands  | Uganda   |
| Total ARP Union Start Base X   |                                    | Total E&P UK Limited   | 100,00%  | United Kingdom   | United Kingdom   |
| Trail ERD Unapage NV.   160,000  |                                    |  |  |  |  |
| Trail Face   Unique of Control   Unique   Uniq   |                                    |  |  |  |  |
| Trout EAP US WAR CONSISTANT LEST 150,000 (1) United States   1,000,000 (1) United States   1,000   |                                    |  |  |  |  |
| Total Ref USA Not.   1900.000   United States   Ontered   |                                    |  |  |  |  |
| Total Earl U.S.O. of Database 10.00   Total Earl Well Registered   Total Earl Well Earl Earl Earl Earl Earl Earl Earl Ea  |                                    |  |  |  |  |
| Total 15th With a temple   100,000   Cymen Rilands   Dipp  |                                    | Total E&P USA Inc.   | 100,00%  | United States  | United States  |
| Total ESP Well Response  |                                    | Total E&P USA Oil Shale, LLC   | 100,00%  | United States  | United States  |
| Total EAP Formers   100,000%   Note   Terriers   Total EAR Africa Michigen M.V.   100,000%   Note  |                                    | Total E&P Waha Limited   | 100,00%  | Cayman Islands   | Libya  |
| Total EAR Prement Biol 2 No.   100,000   Netherbreich   Prement   Total Early (Medical Limited   100,000   Netherbreich   Oppored   Op   |                                    | Total E&P Well Response  | 100,00%  | France   | France   |
| Total EAR Prement Biol 2 No.   100,000   Netherbreich   Prement   Total Early (Medical Limited   100,000   Netherbreich   Oppored   Op   |                                    | Total E&P Yemen  | 100.00%  | France   | Yemen  |
| Total Farra Mirca Mircarema EV   100,000   |                                    |  |  |  |  |
| Total Energy (Messal, Unimede  |                                    |  |  |  |  |
| Total Exploration Millings   Total Exploration Millings   Total Guides Management BV.   100,000   Netherlands  |                                    |  |  |  |  |
| Total facilities Management BV.  Total Gabon  58,281  Gabon  58,281  Gabon  58,281  Gabon  58,281  Fold Gasts Handel Roga AS  Total Gasts Handel Roga AS  100,000  Fold Gast Handel Roga AS  Total Gasts Handel Roga AS  Total Gasts Handel Roga AS  Total Gast Handel Roga AS  Total Gast Handel Ro   |                                    |  |  |  |  |
| Total Gashon   |                                    | Total Exploration M'Bridge   |  | Netherlands  |  |
| Total Gass Handel Ronge AS  Total Searmagnort Nederland BLV.  Total Soldings Nederland BLV.   |                                    | Total Facilities Management B.V.   | 100,00%  | Netherlands  | Netherlands  |
| Total Gastramsport Hederland B.V.   100,000   Netherlands   Netherlands   Netherlands   Tenance   France   Tenance   France   F   |                                    | Total Gabon  | 58 28%   | Gabon  | Gabon  |
| Total Gastramsport Hederland B.V.   100,000   Netherlands   Netherlands   Netherlands   Tenance   France   Tenance   France   F   |                                    | Total Gass Handel Norge AS   |  |  | Norway   |
| Total Holding Dolphin Amont   100,007k   Strance   France   Fran   | Ī                                  |  | 100,00%  | Norway   |  |
| Total Holdings Nederland B.V.   100,00%   Setherlands   Netherlands  |                                    |  |  |  |  |
| Total Holdings, Nederland International B.V.   100,00%   Netherlands   Netherlands   Total IVK Supply, Services USA Inc.   100,00%   Netherlands   Total IVK Supply, Services USA Inc.   100,00%   Netherlands   Total IVK Supply, Services USA Inc.   100,00%   Finance   Total Coll and Gas Venerate B B V.   100,00%   Finance   Total Coll and Gas Venerate B B V.   100,00%   United States   United St   |                                    | Total Gastransport Nederland B.V.  | 100,00%  | Netherlands  | Netherlands  |
| Total Iran BV   100.00%   Netherlands   100.00%   Inited States   United Sta   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont  | 100,00%<br>100,00%   | Netherlands<br>France  | Netherlands<br>France  |
| Total ING Supply Services USA Inc.   100,00%   France   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V.  | 100,00%<br>100,00%<br>100,00%  | Netherlands<br>France<br>Netherlands   | Netherlands<br>France<br>Netherlands   |
| Total Oil and Gas South America   100,00%   Netherlands   Yenceucia  |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V.  | 100,00%<br>100,00%<br>100,00%<br>100,00%   | Netherlands<br>France<br>Netherlands<br>Netherlands  | Netherlands<br>France<br>Netherlands<br>Netherlands  |
| Total Oil and Gas South America   100,000%   Netherlands   Vanezuela   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iron B.V.  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Netherlands France Netherlands Netherlands Netherlands   | Netherlands<br>France<br>Netherlands<br>Netherlands<br>Iran  |
| Total Oli and Cas Venezuela B.V.   100,00%   Netherlands   Venezuela   Total Oli Gli Dimided   100,00%   United Kingdom   United Castar   Unit   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iron B.V.  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Netherlands France Netherlands Netherlands Netherlands   | Netherlands<br>France<br>Netherlands<br>Netherlands<br>Iran  |
| Total Oli B Limited  |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total LNG Supply Services USA Inc.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   | Netherlands France Netherlands Netherlands Netherlands United States   | Netherlands France Netherlands Netherlands Iran United States  |
| Total Oll UK Limited   100,00%   United Kingdom   United Kingdom   Total P&C do Beast Lifa   100,00%   France   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total ING Supply Services USA Inc. Total ING Supply Services USA Inc. Total Oil and Gas South America  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France  | Netherlands France Netherlands Netherlands Iran United States France   |
| Total P8 (d. 6 Brasil Ltda   100,000   France   France   France   Total Petroleum Angola   100,000   France   Gatar   100,000   France   Gatar   100,000   France   Gatar   100,000   France   Gatar   100,000   Gatar   100   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Oli and Gas South America Total Oli and Gas Venezuela B.V.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands  | Netherlands France Netherlands Netherlands Iran United States France Venezuela   |
| Total Pers LING  |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Iran Gasyphy Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gb Limited   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United States France Netherlands United Mingdom  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom  |
| Total Profile Petrolleurs   100,00%   France   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total ING Supphy Services USA Inc. Total ING Supphy Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gb Limited Total Oil Ut Limited   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom   |
| Total Perfulis Petrollers  |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total ING Supply Services USA Inc. Total ING Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gb Limited Total Oil Gb Limited Total P&G do Brasil Ltda  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil  |
| Total South Pars   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Oli and Gas South America Total Oli and Gas South America Total Oli and Gas Venezuela B.V. Total Oli Gb Limited Total Oli UK Limited Total Pars LNG  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom Brazil France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France   |
| Total Upstream Danmark A/S   100,00%   Prance   Iran   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total LING Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil oil and Gas Venezuela B.V. Total Oil Oil Limited Total Oil Gi Limited Total Oil B.V. Limited Total P&G do Brasil Itda Total Petroleum Angola  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France France France France   | Netherlands France Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola  |
| Total Upstream Danmark A/S   100,00%   Denmark   Denmark   Nigeria   Nigeria   Nigeria   Nigeria   Nigeria   Nigeria   Nigeria   Total Upstream UK Limited   100,00%   United Kingdom   United  |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V.  Total Oli Supply Services USA Inc. Total Oli and Gas South America Total Oli Jand Gas Venezuela B.V. Total Oli Jand Gas Venezuela B.V. Total Oli Jb Limited Total Oli UK Limited Total P&G do Brasil Ltda Total PArs LNG Total Pers LNG Total Pers LNG Total Persoleum Angola Total Perfolis Petrollers   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France France France France France France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France   |
| Total Upstream Namark A/S   100,00%   Denmark   Denmark   Denmark   Total Upstream Nilgeria Limited   100,00%   Nilgeria   Nilgeria   Nilgeria   Nilgeria   Nilgeria   Nilgeria   Nilgeria   Total Upstream Uk Limited   100,00%   United Kingdom  |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total I I I I I I I I I I I I I I I I I I I  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France France France France France France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France   |
| Total Upstream Nigeria Limited   100,00%   Nigeria   Nigeria   Nigeria   Total Upstream Nigeria Limited   100,00%   United Kingdom   United Kingdom   United Kingdom   United Kingdom   United Kingdom   United States   United Colorado Resources, ILC   66,67%   United States   United Arab Emirates   United States   U   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total I I I I I I I I I I I I I I I I I I I  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France France France France France France France  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar   |
| Total Upstream UK Umited   100,00%   United Kingdom   United Kingdom   United Kingdom   Total Venezuela   100,00%   France   France   France   Unitath Colorado Resources, LLC   66,67%   United States   United Arab Emirates   United States   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total ING Supply Services USA Inc. Total ING Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gi Interd Total Oil UK Limited Total Oil UK Limited Total PaG do Brasil Itda Total Perolis Perolis NG Total Petroleum Angola Total Petroleum Angola Total Porfils Petroliers Total Otal Cartar Total Otal Cartar Total South Pars   | 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France   | Netherlands France Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran  |
| Total Venezuela   100,00%   France   France   France   United States   Unite   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total LNG Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gas Wenezuela B.V. Total Oil Gb Limited Total Oil K Limited Total P&G do Brasil Ltda Total P&G do Brasil Ltda Total Pars LNG Total Pers LNG Total Pers LNG Total Pers LNG Total Persoleum Angola Total Profils Petrollers Total Quatar Total South Pars Total Outh Pars Total Outh Pars  | 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France France France France France France France France France Denmark  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran  |
| Unitab Colorado Resources, LLC   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Una Gas South America Total Oil and Gas South America Total Oil and Gas South America Total Oil Gb Limited Total Oil Gb Limited Total P&G do Brasil Ltda Total PArs LNG Total Oil Total Professer General  | 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria  |
| Unitah Colorado Resources II, LLC Yergas S. A.  Integrated Gas, Renewables & Power  Abu Dabi Gas Liquefaction Company Limited 5,00% E United Arab Emirates  Adani Gas Limited AGL Adani Green Energy Twenty Three Limited 5,00% E Adani Gas Limited AGL Adani Green Energy Twenty Three Limited 6,00% E India India India India Adani Total Private Limited (e) 5,00% E India  |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total ING Supply Services USA Inc. Total ING Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Seveneuel B.V. Total Oil Gi Interd Total Oil Oil Hold Limited Total Oil UK Limited Total Oil UK Limited Total P&G do Brasil Itda Total Peroleum Angola Total Perrolis Petroliers Total Question Services USA Inc. Total South Pars Total Question Services USA Inc. Total South Pars Total Upstream Danmark A/S Total Upstream Nigeria Limited Total Upstream Wileria Limited Total Upstream Wileria Limited   | 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom France  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom   |
| No.   Spain   Amber Solar Power Dieckeis, S.L.   65,00%   Spain   Sp   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V.  Total Iran B.V.  Total Iran B.V.  Total Oli and Gas Supply Services USA Inc. Total Oli and Gas South America  Total Oli and Gas Venezuela B.V. Total Oli Gb Limited  Total Oli B. Limited  Total PB.G do Brasil Ltda  Total Pars LNG  Total Pers LNG  Total Persil Petroliers  Total Quatar  Total Suth Pers  Total Upstream Danmark A/S  Total Upstream Nigeria Limited  Total Upstream Nigeria Limited  Total Upstream UK Limited   | 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom Inted Kingdom Iran  |
| Integrated Gas, Renewables & Power Adani Gas Liquefaction Company Limited  |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Union Gas South America Total Oil and Gas South America Total Oil and Gas Sente Sente Gas  | 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil France France France France France France France France France United Kingdom  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom France United Kingdom Denmark Nigeria United Kingdom France United Kingdom   |
| Adani Gas Limited AGL       37,40% E       India       India         Adani Green Energy Tuenty Three Limited       50,00% E       India       India         Adani Total Private Limited (e)       50,00% E       India       India         Advanced Thermal Batteries Inc.       49,99% E       United States       United States         Aerospatiale Batteries (ASB)       49,99% E       France       France         Aerowatt Energies       65,00% E       France       France         Aerowatt Energies 2       51,00% E       France       France         Abarloar Solar, S.L.U.       100,00% Spain       Spain       Spain         Alcad AB       99,99% Sweden       Sweden       Sweden         Alicante       50,00% E       France       France       France         Alicante 2       50,00% E       France       France       France         All Kharsa Solar Holdings B.V.       49,00% E       Netherlands       Netherlands         Amber Solar Power Cinco, S.L.       65,00% E       Spain       Spain         Amber Solar Power Cinco, S.L.       65,00% E       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% E       Spain       Spain         Amber Solar Power Dieciseis, S.L.       6   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total Ular B.V. Total Ular Gas South America Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gb Limited Total P&G do Brasil Ltda Total P&G do Brasil Ltda Total P&S do Brasil Ltda Total Petroleum Angola Total Petroleum Angola Total Petroleum Angola Total Postis Petrolers Total Quatar Total South Pars Total Upstream Danmark A/S Total Upstream Nigeria Limited Total Upstream Wigeria Limited Total Upstream Wigeria Limited Total Venezuela Ulintah Colorado Resources, LLC Unitah Colorado Resources II, LLC  | 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom France United Kingdom   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom France United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom France United States United States   |
| Adani Green Energy Twenty Three Limited       50,00% €       India       India         Adani Total Private Limited (e)       50,00% €       India       India         Advanced Thermal Batteries Inc.       49,99% €       United States       United States         Aerospatiale Batteries (ASB)       49,99% €       France       France         Aerowatt Energies Aerowatt Energies 2       65,00% €       France       France         Abarloar Solar, S.L.U.       100,00% €       Spain       Spain         Alcad AB       99,99% €       Sweden       Sweden         Alicante       50,00% €       France       France         Alicante 2       50,00% €       France       France         Al Kharsaa Solar Holdings B.V.       49,00% €       Netherlands       Netherlands         Amber Solar Power Custro, S.L.       65,00% €       Spain       Spain         Amber Solar Power Custro, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% €   |                                    | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Oil and Gas Suphy Services USA Inc. Total Oil and Gas Senth America Total Oil Gas Venezuela B.V. Total Oil Gas Venezuela B.V. Total Oil Gas Venezuela B.V. Total Oil B. Limited Total P&G do Brasil Ltda Total Pars LNG Total Petroleum Angola Total Porofils Petroliers Total Qatar Total Quatar Total South Pars Total Upstream Nigeria Limited Total Upstream Nigeria Limited Total Upstream Uk Limited Total Venezuela Uintah Colorado Resources, LLC Unitah Colorado Resources II, LLC Vpergas S.A.   | 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom Brazil France France France France France France United Kingdom France France France France France France United Kingdom  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom United Kingdom Brazil France Angola France United States United States Venezuela   |
| Adani Green Energy Twenty Three Limited       50,00% €       India       India         Adani Total Private Limited (e)       50,00% €       India       India         Advanced Thermal Batteries Inc.       49,99% €       United States       United States         Aerospatiale Batteries (ASB)       49,99% €       France       France         Aerowatt Energies 2       65,00% €       France       France         Aerowatt Energies 2       51,00% €       France       France         Abarloar Solar, S.L.U.       100,00% €       Spain       Spain         Alicad AB       99,99% €       Sweden       Sweden         Alicante       50,00% €       France       France         Alicante 2       50,00% €       France       France         Al Kharsaa Solar Holdings B.V.       49,00% €       Netherlands       Netherlands         Amber Solar Power Ciutro, S.L.       65,00% €       Spain       Spain         Amber Solar Power Cutro, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% €       Spain   | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Oil and Gas Suphy Services USA Inc. Total Oil and Gas Senth America Total Oil Gas Venezuela B.V. Total Oil Gas Venezuela B.V. Total Oil Gas Venezuela B.V. Total Oil B. Limited Total P&G do Brasil Ltda Total Pars LNG Total Petroleum Angola Total Porofils Petroliers Total Qatar Total Quatar Total South Pars Total Upstream Nigeria Limited Total Upstream Nigeria Limited Total Upstream Uk Limited Total Venezuela Uintah Colorado Resources, LLC Unitah Colorado Resources II, LLC Vpergas S.A.   | 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom Brazil France France France France France France United Kingdom France France France France France France United Kingdom  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom United Kingdom Brazil France Angola France United States United States Venezuela   |
| Adani Total Private Limited (e)       50,00% €       India       India         Advanced Thermal Batteries Inc.       49,99% €       United States       United States         Aerowatt Energies       49,99% €       France       France         Aerowatt Energies 2       51,00% €       France       France         Abrioar Solar, S.L.U.       100,00% €       Spain       Spain         Alcad AB       99,99% €       Sweden       Sweden         Alicante       50,00% €       France       France         Alicante 2       50,00% €       France       France         Al Kharsaa Solar Holdings B.V.       49,00% €       Netherlands       Netherlands         Amber Solar Power Cinco, S.L.       65,00% €       Spain       Spain         Amber Solar Power Cinco, S.L.       65,00% €       Spain       Spain         Amber Solar Power Diecisels, S.L.       65,00% €       Spain       Spain         Amber Solar Power Diecisels, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieck, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieck, S.L.       65,00% €       Spain       Spain         Amber Solar Power Dieck, S.L.       65,00% €       Spain       Spain   | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V.  Total Oli and Gas South America Total Oli and Gas South America Total Oli John Gas Venezuela B.V. Total Oli Gb Limited Total Oli Mc Limited Total P&G do Brasil Ltda Total P&G do Brasil Ltda Total PArs LNG Total Pers LNG Total Pers LNG Total Pers LNG Total Pers LNG Total Persem Angola Total Persem Angola Total Profils Petrollers Total Outher Persem Total Outher Persem Nigeria Limited Total Upstream Diagraic Limited Total Upstream UK Limited Total Upstreavella Lintah Colorado Resources, LLC Lintah Colorado Resources, LLC Lintah Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited  | 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom Brazil France France France France France France United Kingdom United Kingdom France United Kingdom United Kingdom France United Kingdom France United Kingdom France United States United States United States United Arab Emirates   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom Brazil France Angola France Qatar Iran United Kingdom United Kingdom United Kingdom United Kingdom Brazil France United Kingdom Brazil France United Kingdom Brazil France United Kingdom Brazil France United Kingdom France United Kingdom France United Kingdom France United States United States Venezuela United Arab Emirates   |
| Advanced Thermal Batteries Inc.       49,99% E       United States       United States         Aerospatiale Batteries (ASB)       49,99% E       France       France         Aerowatt Energies       65,00% E       France       France         Aerowatt Energies 2       51,00% E       France       France         Abarloar Solar, S.L.U.       100,00% E       Spain       Spain         Alcad AB       99,99% Sweden       Sweden         Alicante       50,00% E       France       France         Alicante 2       50,00% E       France       France         Alikharsaa Solar Holdings B.V.       49,00% E       Netherlands       Netherlands         Amber Solar Power Cinco, S.L.       65,00% E       Spain       Spain         Amber Solar Power Cuatro, S.L.       65,00% E       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% E       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% E       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% E       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% E       Spain       Spain         Amber Solar Power Dieciseis, S.L.       65,00% E       Spain       Spain <td>Integrated Gas, Renewables &amp; Power</td> <td>Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Union Gas South America Total Oil and Gas South America Total Oil and Gas South America Total Oil Gb Limited Total Oil Gb Limited Total Pars Lind Total Pars Lind Total Perroleum Angola Total Perroleum Angola Total Perroleum Angola Total South Pars Total Unitar Gas South America Total Unitar Gas South America Total Unitar Gas South America Unitar Colorado Resources, LLC Unitah Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adain Gas Limited AGL</td> <td>100,00% 100,00%</td> <td>Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil France France France France France France United Kingdom France United Kingdom France United Kingdom</td> <td>Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom United Kingdom Brazil France Angola France Venezuela United States United States Venezuela United States Venezuela United Arab Emirates India</td> | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Union Gas South America Total Oil and Gas South America Total Oil and Gas South America Total Oil Gb Limited Total Oil Gb Limited Total Pars Lind Total Pars Lind Total Perroleum Angola Total Perroleum Angola Total Perroleum Angola Total South Pars Total Unitar Gas South America Total Unitar Gas South America Total Unitar Gas South America Unitar Colorado Resources, LLC Unitah Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adain Gas Limited AGL  | 100,00%  | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil France France France France France France United Kingdom France United Kingdom France United Kingdom   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom United Kingdom Brazil France Angola France Venezuela United States United States Venezuela United States Venezuela United Arab Emirates India  |
| Aerospatiale Batteries (ASB)       49,99% E       France       France         Aerowatt Energies       65,00% E       France       France         Aerowatt Energies 2       51,00% E       France       France         Abarloar Solar, S.L.U.       100,00%       Spain       Spain         Alcad AB       99,99%       Sweden       Sweden         Allicante       50,00% E       France       France         Allicante 2       50,00% E       France       France         All Kharsaa Solar Holdings B.V.       49,00% E       Netherlands       Netherlands         Amber Solar Power Cinco, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diectosis, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diectseis, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diect, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diect, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diect, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diect, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diect, S.L.       65,00% E       Spain       Spain  | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Oil and Gas Suphy Services USA Inc. Total Oil and Gas Senth America Total Oil and Gas Venezuela B.V. Total Oil Gas Venezuela B.V. Total Oil B. Limited Total P8G do Brasil Itda Total Pars LNG Total Pars LNG Total Petroleum Angola Total Porofils Petroliers Total Qatar Total South Pars Total Upstream Damanark A/S Total Upstream Damanark A/S Total Upstream Nigeria Limited Total Venezuela Uintah Colorado Resources, LLC Uintah Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gase Energy Twenty Three Limited   | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom Brazil France France France France France United Kingdom France France France France France France United Kingdom United Kingdom United Kingdom United Kingdom United France United States United States United States United States United Arab Emirates India India   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom Brazil France United States  |
| Aerowatt Energies         65,00% E         France         France           Aerowatt Energies 2         51,00% E         France         France           Abarloar Solar, S.L.U.         100,00%         Spain         Spain           Alcad AB         99,99%         Sweden         Sweden           Alicante         50,00% E         France         France           Alicante 2         50,00% E         France         France           Al Kharsaa Solar Holdings B.V.         49,00% E         Netherlands         Netherlands           Amber Solar Power Cinco, S.L.         65,00% E         Spain         Spain           Amber Solar Power Cutaro, S.L.         65,00% E         Spain         Spain           Amber Solar Power Diecisels, S.L.         65,00% E         Spain         Spain           Amber Solar Power Dieck, S.L.         65,00% E         Spain         Spain           Amber Solar Power Nueve, S.L.         65,00% E         Spain         Spain           Amber Solar Power Nueve, S.L.         65,00% E         Spain         Spain           Amber Solar Power Nueve, S.L.         65,00% E         Spain         Spain           Amber Solar Power Nueve, S.L.         65,00% E         Spain         Spain  | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Oli Supply Services USA Inc. Total Oli Supply Services USA Inc. Total Oli Josephy Services USA Inc. Total Profiles Petroliers Total Profiles Petroliers Total Opatra Upstream Namark A/S Total Upstream Nigeria Limited Total Upstream UK Limited Total Venezuela Uintah Colorado Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources II, LLC Yepergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Green Energy Twenty Three Limited Adani Green Energy Twenty Three Limited Adani Green Energy Twenty Three Limited   | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom Brazil France France France France France United Kingdom United Kingdom United Kingdom France United Kingdom France United Kingdom France United States United States United States United Arab Emirates India India India   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil France United Kingdom France United States United States United States United Arab Emirates India India India   |
| Aerowatt Energies 2         51,00% E         France         France           Abarloar Solar, S.L.U.         100,00% Spain         Spain           Alcad AB         99,99% Sweden         Sweden           Alicante         50,00% E         France         France           Alicante 2         50,00% E         France         France           Al Kharsaa Solar Holdings B.V.         49,00% E         Netherlands         Netherlands           Amber Solar Power Clinco, S.L.         65,00% E         Spain         Spain           Amber Solar Power Cluatro, S.L.         65,00% E         Spain         Spain           Amber Solar Power Dieciseis, S.L.         65,00% E         Spain         Spain           Amber Solar Power Dieciseis, S.L.         65,00% E         Spain         Spain           Amber Solar Power Nieve, S.L.         65,00% E         Spain         Spain           Amber Solar Power Quince, S.L.         65,00% E         Spain         Spain           Amber Solar Power Quince, S.L.         65,00% E         Spain         Spain  | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Unit Gast South America Total Oil and Gas South America Total Oil and Gas South America Total Oil Gi bi Limited Total Oil B.V. Total Oil Gast South America Total Pars Unit Limited Total Pars Unit Limited Total Pars Unit Limited Total Perfolis Petroliers Total Otalar Total Pars Iran South Pars Total Osuth Pars Total Upstream Angola Total Perfolis Petroliers Total Upstream Namark A/S Total Upstream Wit Limited Total Upstream Wit Limited Total Venezuela Unitah Colorado Resources II, LLC Ypergas S. A. Abu Dhabi Gas Liquefaction Company Limited Adani Total Frivate Limited ole Adani Total Private Limited ole Advanced Thermal Batteries Inc.  | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom United Kingdom Brazil France France France France France United Kingdom France France France France France France Indie United Kingdom United Kingdom India United States United States United States United States United India India India United States  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil Iran Denmark Nigeria United States United States United States United Arab Emirates India India India United States  |
| Abarloar Solar, S.L.U.         100,00%         Spain         Spain           Alcad AB         99,99%         Sweden         Sweden           Allcante         50,00% E         France         France           Allcante 2         50,00% E         France         France           Al Kharsaa Solar Holdings B.V.         49,00% E         Netherlands         Netherlands           Amber Solar Power Cinco, S.L.         65,00% E         Spain         Spain           Amber Solar Power Custro, S.L.         65,00% E         Spain         Spain           Amber Solar Power Dieciseis, S.L.         65,00% E         Spain         Spain           Amber Solar Power Dieciseis, S.L.         65,00% E         Spain         Spain           Amber Solar Power Dieciseis, S.L.         65,00% E         Spain         Spain           Amber Solar Power Dieciseis, S.L.         65,00% E         Spain         Spain           Amber Solar Power Dieciseis, S.L.         65,00% E         Spain         Spain           Amber Solar Power Quirce, S.L.         65,00% E         Spain         Spain           Amber Solar Power Quirce, S.L.         65,00% E         Spain         Spain   | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iros Supply Services USA Inc. Total US Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gil and Gas Venezuela B.V. Total Oil Gil Imited Total P&G do Brasil Itda Total P&G do Brasil Itda Total Petroleum Angola Total Petroleum Angola Total Porofils Petrolers Total Quatar Total South Pars Total Upstream Damark A/S Total Upstream Damark A/S Total Upstream Nigeria Limited Total Upstream Uk Limited Total Upstream Uk Limited Total Upstream Uk Limited Total Upstream Uk Limited Total Upstream Oardon Resources, ILC Unitah Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gas Limited AGL Adani Gas Limited AGL Adani Green Energy Twenty Three Limited Adani Green Energy Twenty Three Limited Adavanced Thermal Batteries Inc. Aerospatiale Batteries (ASB)  | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom Brazil France France France France France United Kingdom France France France France France France France India United Kingdom Inited Kingdom I | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Qatar Iran Denmark Nigeria United Kingdom United Kingdom Irance Qatar Iran Denmark Nigeria United States United States United States Venezuela United States Venezuela United States Venezuela India India India India United States France   |
| Alcad AB       99,99%       Sweden       Sweden         Allcante       50,00% E       France       France         All Kharsaa Solar Holdings B.V.       49,00% E       Netherlands       Netherlands         Amber Solar Power Cinco, S.L.       65,00% E       Spain       Spain         Amber Solar Power Lutaro, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diecisels, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diez, S.L.       65,00% E       Spain       Spain         Amber Solar Power Nueve, S.L.       65,00% E       Spain       Spain         Amber Solar Power Nueve, S.L.       65,00% E       Spain       Spain         Amber Solar Power Quince, S.L.       65,00% E       Spain       Spain         Amber Solar Power Quince, S.L.       65,00% E       Spain       Spain   | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Oli Supply Services USA Inc. Total Oli Jos Supply Services USA Inc. Total Oli Jus Hometed Total Oli Jus Limited Total Oli Jus Limited Total PoRG do Brasil Ltda Total Profils Petroliers Total Portileum Angola Total Profils Petroliers Total Outh Pars Total Upstream Nigeria Limited Total Upstream Nigeria Limited Total Upstream UK Limited Total Upstream Services ILC Unitah Colorado Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources IL LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Green Energy Twenty Three Limited Adani Green Energy Twenty Three Limited Adani Total Private Limited (e) Advanced Thermal Batteries Inc. Aerospatiale Batteries (ASB) Aerowatt Energies   | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom France France France United Kingdom France United Kingdom France United Kingdom France United States United States United States United Arab Emirates India India India United States France France France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom France United Kingdom Iran Denmark Nigeria United Kingdom France United States Venezuela United States India India India India India United States France France  |
| Alcad AB       99,99%       Sweden       Sweden         Allcante       50,00% E       France       France         All Kharsaa Solar Holdings B.V.       49,00% E       Netherlands       Netherlands         Amber Solar Power Cinco, S.L.       65,00% E       Spain       Spain         Amber Solar Power Lutaro, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diecisels, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diez, S.L.       65,00% E       Spain       Spain         Amber Solar Power Nueve, S.L.       65,00% E       Spain       Spain         Amber Solar Power Nueve, S.L.       65,00% E       Spain       Spain         Amber Solar Power Quince, S.L.       65,00% E       Spain       Spain         Amber Solar Power Quince, S.L.       65,00% E       Spain       Spain   | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Oli and Gas South America Total Oli and Gas South America Total Oli John Gas Venezuela B.V. Total Oli John Gas Venezuela B.V. Total Oli John Uk Limited Total P&G do Brasil Ltda Total Pars LNG Total Pars LNG Total Petroleum Angola Total Petroleum Angola Total Profils Petroliers Total Qustream Nagola Total Upstream Nagola Total Upstream Nagoria Limited Total Upstream Nigeria Limited Total Upstream W.K Limited Total Vupstream W.K Limited Total Vupstream U.K Limited Total Vupstream S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gas Limited AGL Adani Total Private Limited (e) Advanced Thermal Batteries Inc. Aerowatt Energies Aerowatt Energies Aerowatt Energies   | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil France France France France France United Kingdom France France France France France India United States France France France France France France France France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom France United Kingdom Iran Denmark Nigeria United Kingdom France United States Venezuela United States India India India India India United States France France  |
| Alicante   S0,00%   E   France   France  | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Oli and Gas South America Total Oli and Gas South America Total Oli John Gas Venezuela B.V. Total Oli John Gas Venezuela B.V. Total Oli John Uk Limited Total P&G do Brasil Ltda Total Pars LNG Total Pars LNG Total Petroleum Angola Total Petroleum Angola Total Profils Petroliers Total Qustream Nagola Total Upstream Nagola Total Upstream Nagoria Limited Total Upstream Nigeria Limited Total Upstream W.K Limited Total Vupstream W.K Limited Total Vupstream U.K Limited Total Vupstream S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gas Limited AGL Adani Total Private Limited (e) Advanced Thermal Batteries Inc. Aerowatt Energies Aerowatt Energies Aerowatt Energies   | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil France France France France France United Kingdom France France France France France India United States France France France France France France France France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom Iran Denmark Nigeria United Kingdom United Kingdom Iran Denmark Nigeria United Kingdom Iran United Kingdom Iran United Kingdom Iran United Kingdom Iran Iran United Kingdom Irance United States United States United States United States India India India India United States France France France France   |
| Allcante 2 50,00% E France France  Al Kharsaa Solar Holdings B.V. 49,00% E Netherlands Netherlands  Amber Solar Power Cinco, S.L. 65,00% E Spain Spain  Amber Solar Power Diecisels, S.L. 65,00% E Spain Spain  Amber Solar Power Diecisels, S.L. 65,00% E Spain Spain  Amber Solar Power Diecisels, S.L. 65,00% E Spain Spain  Amber Solar Power Diecisels, S.L. 65,00% E Spain Spain  Amber Solar Power Nieve, S.L. 65,00% E Spain Spain  Amber Solar Power Nieve, S.L. 65,00% E Spain Spain  Amber Solar Power Nieve, S.L. 65,00% E Spain Spain  Amber Solar Power Nieve, S.L. 65,00% E Spain Spain  Amber Solar Power Nieve, S.L. 65,00% E Spain Spain   | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total ING Supply Services USA Inc. Total IOS Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil I Supply Services USA Inc. Total Oil I and Gas Venezuela B.V. Total Oil Oil I Chimited Total Oil I W. Limited Total Oil UK Limited Total P&G do Brasil Itda Total Pors LNG Total Petroleum Angola Total Porofils Petroleurs Total Quatar Total South Pars Total Upstream Dammark A/S Total Upstream Dammark A/S Total Upstream Dammark A/S Total Upstream Dammark A/S Total Upstream Migeria Limited Total Venezuela Uintah Colorado Resources, ILC Unitah Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gas Limited AGL Adani Green Energy Twenty Three Limited Adani Green Energy Twenty Three Limited Advanced Thermal Batteries Inc. Aerosyatiale Batteries (ASB) Aerowatt Energies 2 Abarloar Solar, S.L.U.   | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France France France France France France United Kingdom United Kingdom Brazil France France France France France France France France France India United Kingdom France United States United States United States United States France France France France France France France France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United States Venezuela United France Qatar Iran Denmark Nigeria United Kingdom France United States United States Venezuela United States Venezuela United States India India India India United States France  |
| Al Kharsaa Solar Holdings B.V. 49,00% E Netherlands Netherlands  Amber Solar Power Cinco, S.L. 65,00% E Spain Spain  Amber Solar Power Cutro, S.L. 65,00% E Spain Spain  Amber Solar Power Diecisels, S.L. 65,00% E Spain Spain  Amber Solar Power Diecisels, S.L. 65,00% E Spain Spain  Amber Solar Power Diez, S.L. 65,00% E Spain Spain  Amber Solar Power Nueve, S.L. 65,00% E Spain Spain  Amber Solar Power Nueve, S.L. 65,00% E Spain Spain  Amber Solar Power Nueve, S.L. 65,00% E Spain Spain  Amber Solar Power Nueve, S.L. 65,00% E Spain Spain   | Integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Oil Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gas Venezuela B.V. Total Oil Gb Limited Total Oil B. Limited Total Oil B. Limited Total PRG do Brasil Ltda Total Pars LNG Total Petroleum Angola Total Petroleum Angola Total Petroleum Angola Total Potrile Petroleum Angola Total South Pars Total Upstream Danmark A/S Total Upstream Nigeria Limited Total Upstream UK Limited Total Upstream UK Limited Total Upstream UK Limited Total Upstream UK Limited Total Venezuela Uintah Colorado Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Green Energy Twenty Three Limited Adani Green Ene | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom France France France United Kingdom United Kingdom United Kingdom France United Kingdom France United States United States United States United States United Arab Emirates India India India United States France  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom Iran Denmark Nigeria United States United States United States United States Venezuela United States Venezuela United States France India India India India United States France  |
| Amber Solar Power Cinco, S.L.       65,00% E       Spain       Spain         Amber Solar Power Ductor, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diez, S.L.       65,00% E       Spain       Spain         Amber Solar Power Diez, S.L.       65,00% E       Spain       Spain         Amber Solar Power Nueve, S.L.       65,00% E       Spain       Spain         Amber Solar Power Quince, S.L.       65,00% E       Spain       Spain  | Integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total LING Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gab Limited Total Oil Gb Limited Total Oil Gb Limited Total Pars LING Total Pars LING Total Pers LING Total Personal Services Usa Inc. Total Outpersonal Limited Total Personal Limited Total Personal Limited Total Upstream Nigeria Limited Total Upstream Nigeria Limited Total Venezuela Uintah Colorado Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources, LLC Adani Gas Limited AGL Adani Gas Limited AGL Adani Gas Limited AGL Adani Green Energy Twenty Three Limited Adani Total Private Limited (e) Advanced Thermal Batteries Inc. Aerospatiale Batteries (ASB) Aerowatt Energies Aerowatt Energies Aerowatt Energies Aerowatt Energies Aerowatt Energies Alcad AB Alicante  | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil France France France France France France United Kingdom United Kingdom United Kingdom India United Kingdom France United States France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom Iran Denmark Nigeria United Kingdom Ivited States Ivited States Ivited States Ivited States Ivited States Ivited States Ivited France Ivited States Ivited France  |
| Amber Solar Power Cuatro, S.L.         65,00% E         Spain         Spain           Amber Solar Power Dieciseis, S.L.         65,00% E         Spain         Spain           Amber Solar Power Diez, S.L.         65,00% E         Spain         Spain           Amber Solar Power Nueve, S.L.         65,00% E         Spain         Spain           Amber Solar Power Quince, S.L.         65,00% E         Spain         Spain  | Integrated Gas, Renewables & Power | Total Gastransport Nederland B.V. Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total ING Supply Services USA Inc. Total IOS Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Seath America Total Oil Ind Gas Venezuela B.V. Total Oil Oil and Gas Venezuela B.V. Total Oil Gil UK Limited Total P&G do Brasil Ltda Total Pors LNG Total Petroleum Angola Total Porofils Petroleurs Total Quatar Total South Pars Total Upstream Dammark A/S Total Upstream Damonark A/S Total Upstream Oak Limited Total Venezuela Uintah Colorado Resources, LLC Uintah Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gas Limited AGL Adani Gas Limited AGL Adani Gas Limited AGL Adani Gas Liquefaction Company Limited Adani Ga | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom Brazil France France France France France France United Kingdom United Kingdom Brazil France France France France France France France France France Denmark Nigeria United Kingdom France United Kingdom France United Kingdom France France France France France France United States United States Venezuela United States France France France France France France France France France Spalin Sweden France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom France United States United France Qatar Iran Denmark Nigeria United Kingdom France France United States Venezuela United States Venezuela United States Venezuela United States France   |
| Amber Solar Power Dieciseis, S.L.         65,00% E         Spain         Spain           Amber Solar Power Diez, S.L.         65,00% E         Spain         Spain           Amber Solar Power Queve, S.L.         65,00% E         Spain         Spain           Amber Solar Power Quince, S.L.         65,00% E         Spain         Spain  | Integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Oil Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gas Venezuela B.V. Total Oil Gas Venezuela B.V. Total Oil B. Limited Total P.R.G. do Brasil Ltda Total P.R.G. do Brasil Ltda Total Pars L.N.G Total Petroleum Angola Total Petroleum Angola Total Petroleum Angola Total Potrile Petroleum Angola Total South Pars Total Outh Pars Total Outstream Nigeria Limited Total Upstream Nigeria Limited Total Upstream UK Limited Total Upstream UK Limited Total Upstream UK Limited Total Upstream B.L. L.C Vpergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Green Energy Twenty Three Limited Adani Green Energy T | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States United Kingdom France United States Venezuela United States France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom Iran Denmark Nigeria United Kingdom France United States United States United States Venezuela United States Venezuela United States France  |
| Amber Solar Power Diez, S.L.         65,00% E         Spain         Spain           Amber Solar Power Nueve, S.L.         65,00% E         Spain         Spain           Amber Solar Power Quince, S.L.         65,00% E         Spain         Spain   | Integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Oil and Gas South America Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gas Wenzuela B.V. Total Oil M. Limited Total P&G do Brasil Ltda Total P&G do Brasil Ltda Total PARS Mo Total Pers LMG Total Perseman Angola Total Profils Petroliers Total Outh Pars Total Upstream Danmark A/S Total Upstream Nigeria Limited Total Upstream W.K. Limited Total Upstream U.K. Limited Total Venezuela Uintah Colorado Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources II, LLC Yepregas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Green Energy Twenty Three Limited Adani Green Energy Twenty Three Limited Adani Total Private Limited (e) Advanced Thermal Batteries Inc. Aerosyatiale Batteries (ASB) Aerowatt Energies Aerowatt Energies Aerowatt Energies Aerowatt Energies 2 Abarloar Solar, S.L.U. Allcad AB Allcante All Kharsaa Solar Holdings B.V. Amber Solar Power Cinco, S.L.  | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil France France France France France United Kingdom France Denmark Nigeria United Kingdom France United States United States United States United States United States France United States France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom Iran Denmark Nigeria United Kingdom Iran Denmark Nigeria United Kingdom France United States United States United States United States United States France  |
| Amber Solar Power Diez, S.L.         65,00% E         Spain         Spain           Amber Solar Power Nueve, S.L.         65,00% E         Spain         Spain           Amber Solar Power Quince, S.L.         65,00% E         Spain         Spain   | Integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Iran B.V. Total Oil and Gas South America Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gas Wenzuela B.V. Total Oil M. Limited Total P&G do Brasil Ltda Total P&G do Brasil Ltda Total PARS Mo Total Pers LMG Total Perseman Angola Total Profils Petroliers Total Outh Pars Total Upstream Danmark A/S Total Upstream Nigeria Limited Total Upstream W.K. Limited Total Upstream U.K. Limited Total Venezuela Uintah Colorado Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources II, LLC Yepregas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Green Energy Twenty Three Limited Adani Green Energy Twenty Three Limited Adani Total Private Limited (e) Advanced Thermal Batteries Inc. Aerosyatiale Batteries (ASB) Aerowatt Energies Aerowatt Energies Aerowatt Energies Aerowatt Energies 2 Abarloar Solar, S.L.U. Allcad AB Allcante All Kharsaa Solar Holdings B.V. Amber Solar Power Cinco, S.L.  | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Brazil France France France France France United Kingdom France Denmark Nigeria United Kingdom France United States United States United States United States United States France United States France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom United Kingdom Iran Denmark Nigeria United Kingdom Iran Denmark Nigeria United Kingdom France United States United States United States United States United States France  |
| Amber Solar Power Nueve, S.L.         65,00% E         Spain         Spain           Amber Solar Power Quince, S.L.         65,00% E         Spain         Spain   | integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total ING Supply Services USA Inc. Total IOS Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil John Gas Venezuela B.V. Total Oil Gil Imted Total Oil UK Limited Total Oil UK Limited Total P&G do Brasil Itda Total P&G do Brasil Itda Total PexG do Brasil Itda Total Petroleum Angola Total Porofils Petrolers Total Upstream Osamark A/S Total Upstream Damark A/S Total Upstream Damark A/S Total Upstream Nigeria Limited Total Venezuela Uintah Colorado Resources, ILC Unitah Colorado Resources II, ILC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gas Limited AGL Adani Green Energy Twenty Three Limited Adani Green Energies Aerowatt Energies 2 Abarloar Solar, S.L.U. Alicanta 2 Alicante 2 Ali Kharsaa Solar Holdings B.V. Amber Solar Power Cunco, S.L. Amber Solar Power Cunco, S.L. Amber Solar Power Cunco, S.L.  | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France France France France France France United Kingdom France Denmark Nigeria United Kingdom France United States United States United States United States France United States France United States France France France Spain Sweden France   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom United Kingdom Brazil France Angola France Angola France United Kingdom United Kingdom United Kingdom Brazil France Angola France United States United States United Kingdom France United Kingdom France United States United States Venezuela United States Venezuela United States France   |
| Amber Solar Power Quince, S.L. 65,00% E Spain Spain  | Integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total IVA Supply Services USA Inc. Total IVA Supply Services USA Inc. Total IVA Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil UK Limitted Total P&G do Brasil Ltda Total Pars LNG Total Petroleum Angola Total Perolise Petroliers Total Optal Petroleum Angola Total Porfils Petroliers Total Outh Pars Total Upstream Danmark A/S Total Upstream Nigeria Limited Total Upstream VK Limited Total Upstream UK Limited Total Upstream Oxida Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources, LLC Vpergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gase Liquefaction Company Limited Adani Green Energy Twenty Three Limit | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom Brazil France France France France France United Kingdom France France France France France France France France United Kingdom France United States United States United States United States United States Venezuela United Arab Emirates India India India United States France Netherlands Spain Spain   | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom France Qatar Iran Denmark Nigeria United States United States United States United States Venezuela United States Venezuela United States France Netherlands Spain Spain   |
|  | integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total Iran B.V. Total Oil Supply Services USA Inc. Total Oil Gapply Services USA Inc. Total Oil and Gas South America Total Oil Iran Gas Venezuela B.V. Total Oil Gas Venezuela B.V. Total Oil Gb Limited Total Oil K Limited Total Oil K Limited Total PRG do Brasil Ltda Total Prast ING Total Persolum Angola Total Profils Petroliers Total Qustar Total Petroleum Angola Total Profils Petroliers Total Upstream Danmark A/S Total Upstream Nigeria Limited Total Upstream Nigeria Limited Total Upstream W.K Limited Total Upstream W.K Limited Total Venezuela Uintah Colorado Resources, LLC Unitah Colorado Resources, LLC Unitah Colorado Resources, LLC Adani Green Energy Twenty Three Limited Adani Gas Limited AGL Adani Green Energy Twenty Three Limited Adani Total Private Limited (e) Advanced Thermal Batteries Inc. Aerospatiale Batteries (ASB) Aerowatt Energies Aerowatt Energies Aerowatt Energies 2 Abarioar Solar, S.L.U. Alicante Alicante Alicante Alicante Alicante Alicante Power Cinco, S.L. Amber Solar Power Cinco, S.L. Amber Solar Power Diez, S.L. Amber Solar Power Diez, S.L.   | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom In the  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom Hrace United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom France United States United States Venezuela United States Venezuela United States France |
| Amber solar Power Ires, S.L. 65,00% E Spain Spain  | Integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total ING Supply Services USA Inc. Total IOS Supply Services USA Inc. Total IOS Supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Gil and Gas Venezuela B.V. Total Oil Gil Imited Total P8G do Brasil Itda Total P7G/IS Petrollers Total Patrolleum Angola Total P7G/IS Petrollers Total Upstream Oil Total P7G/IS Petrollers Total Upstream Damark A/S Total Upstream Damark A/S Total Upstream Nigeria Limited Total Venezuela Uintal Colorado Resources, LLC Unital Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gas Liquefaction Company Limited Adani Gas Liquefaction Company Limited Adani Green Energy Twenty Three Limited Adani Adani Total Private Limited (e) Advanced Thermal Batteries Inc. Aerospatiale Batteries (ASB) Aerowatt Energies 2 Abarloar Solar, S.L.U. Alicante 2 Ali Kansaa Solar Holdings B.V. Amber Solar Power Cinco, S.L. Amber Solar Power Cuco, S.L. Amber Solar Power Pieciseis, S.L. Amber Solar Power Nueve, S.L.  | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom Brazil France France France France France France United Kingdom France France France France France France France France Denmark Nigeria United Kingdom France United Kingdom France United Kingdom France France France France United States Venezuela United States Venezuela United States France Spain Sweden France France France France France France Spain Spain Spain  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom United Kingdom Brazil France Angola France Angola France United Kingdom United Kingdom United Kingdom Brazil France Angola France United States Venezuela United States Venezuela United States France   |
|  | Integrated Gas, Renewables & Power | Total Holding Dolphin Amont Total Holdings Nederland B.V. Total Holdings Nederland B.V. Total Holdings Nederland International B.V. Total Holdings Nederland International B.V. Total IVIS supply Services USA Inc. Total IVIS supply Services USA Inc. Total Oil and Gas South America Total Oil and Gas Venezuela B.V. Total Oil Ut Limited Total P&G do Brasil Ltda Total Pars LNG Total Petroleum Angola Total Perofils Petroliers Total Quatar Total South Pars Total Upstream Danmark A/S Total Upstream Nigeria Limited Total Upstream W.K Limited Total Venezuela Uintah Colorado Resources, LLC Uintah Colorado Resources II, LLC Ypergas S.A. Abu Dhabi Gas Liquefaction Company Limited Adani Gase Limited AGL Adani Green Energy Twenty Three Limited Adani Green Energy Twenty Three Limited Adani Green Energy Twenty Three Limited Adani Charles Batteries (ASB) Aerowatt Energies 2 Abarloar Solar, S.L.U. Alcad AB Alicante Alicante Alicante Alicante Alicante Power Dieciseis, S.L. Amber Solar Power Ouero, S.L.   | 100,00% 100,00 | Netherlands France Netherlands Netherlands Netherlands United States France Netherlands United Kingdom United Kingdom United Kingdom Brazil France France France France France France United Kingdom France France France France France France France France Denmark Nigeria United States United States United States United States United States Venezuela United Arab Emirates India India India India United States France Spain Sweden France Netherlands Spain Spain Spain Spain  | Netherlands France Netherlands Netherlands Iran United States France Venezuela United Kingdom United Kingdom Brazil France Angola France Qatar Iran Denmark Nigeria United Kingdom France United States United States Venezuela United States Venezuela United States United States Venezuela United States France France France France France France France France France Spain Sweden France Netherlands Spain Spain Spain Spain   |

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|--|---|---|---|
| Amber Solar Power Uno, S.L.  | 65,00% E  | Spain   | Spain   |
| Anayet Solar, S.L.U. Armada Solar, S.L.U.  | 100,00%<br>100,00%  | Spain<br>Spain  | Spain   |
| Amura Solar, S.L.U.  | 100,00%   | Spain   | Spain<br>Spain  |
| Angola LNG Limited   | 13,60% E  | Bermuda   | Angola  |
| Arbotante Solar, S.L.U.  | 100,00%   | Spain   | Spain   |
| Arctic LNG 2 LLC (b) ATJV Offshore   | 21,64% E<br>50,00% E  | Russia<br>Singapore   | Russia<br>Singapore                                   |
| Automotive Cells Company, S.E.   | 49,99% E  | France  | France  |
| Baser Comercializadora de Referencia   | 100,00%   | Spain   | Spain   |
| Bassin Du Capiscol   | 100,00%   | France  | France  |
| Beauce Oratorienne Biogaz Breuil   | 100,00%<br>100,00%  | France<br>France  | France<br>France                                      |
| Biogaz Chatillon   | 100,00%   | France  | France  |
| Biogaz Corcelles   | 100,00%   | France  | France  |
| Biogaz Epinay  | 100,00%   | France  | France  |
| Biogaz Libron Biogaz Milhac  | 100,00%<br>100,00%  | France<br>France  | France<br>France                                      |
| Biogaz Soignolles  | 100,00%   | France  | France  |
| Biogaz Torcy   | 100,00%   | France  | France  |
| Biogaz Vert Le Grand   | 100,00%   | France  | France  |
| Biogaz Viriat Borrowed Sunshine II Parent, LLC   | 100,00%<br>51,61%   | France United States  | France United States                                  |
| Borrowed Sunshine II, LLC  | 51,61%  | United States  United States                                | United States   |
| BSP Class B Member HoldCo, LLC   | 51,61%  | United States   | United States   |
| BSP Class B Member, LLC  | 51,61%  | United States   | United States   |
| BSP Holding Company, LLC   | 51,61%  | United States   | United States   |
| BSP II Parent, LLC Cameron LNG Holdings LLC  | 51,61%<br>16,60% E  | United States United States                                 | United States United States                           |
| Centrale Eolienne Ploumoguer   | 100,00%   | France  | France  |
| Centrale Eolienne De Goulien   | 100,00%   | France  | France  |
| Centrale Eolienne De La Vallee Gentillesse   | 74,80%  | France  | France  |
| Centrale Hydrolique Alas Centrale Hydrolique Ardon   | 100,00%<br>90,00%   | France<br>France  | France<br>France                                      |
| Centrale Hydrolique Arvan  | 100,00%   | France<br>France  | France  |
| Centrale Hydrolique Barbaira   | 100,00%   | France  | France  |
| Centrale Hydrolique Bonnant  | 100,00%   | France  | France  |
| Centrale Hydrolique Gavet  | 100,00%   | France  | France  |
| Centrale Hydrolique La Buissiere Centrale Hydrolique Miage   | 100,00%<br>100,00%  | France<br>France  | France<br>France                                      |
| Centrale Hydrolique Previnquieres  | 100,00%   | France  | France  |
| Centrale Photovoltaique De Merle Sud   | 40,58% E  | France  | France  |
| Centrale Photovoltaique Du Seneguier   | 100,00%   | France  | France  |
| Centrale Photovoltaique Le Barou   | 100,00%   | France  | France  |
| Centrale Solaire 2 Centrale Solaire Autoprod   | 100,00%<br>100,00%  | France<br>France  | France<br>France                                      |
| Centrale Solaire Base 112  | 100,00%   | France  | France  |
| Centrale Solaire Beauce Val de Loire   | 100,00%   | France  | France  |
| Centrale Solaire Briffaut  | 100,00%   | France  | France  |
| Centrale Solaire Centre Ouest 2  | 100,00%   | France  | France  |
| Centrale Solaire Cet De Hesse Centrale Solaire Chauveau  | 100,00%<br>100,00%  | France<br>France  | France<br>France                                      |
| Centrale Solaire Chemin De Melette   | 100,00%   | France  | France  |
| Centrale Solaire De Cazedarnes   | 75,00%  | France  | France  |
| Centrale Solaire de la Med   | 100,00%   | France  | France  |
| Centrale Solaire Dom Centrale Solaire Du Centre Ouest  | 100,00%<br>100,00%  | France<br>France  | France<br>France                                      |
| Centrale Solaire Du Lavoir   | 60,00%  | France  | France  |
| Centrale Solaire Estarac   | 35,00% E  | France  | France  |
| Centrale Solaire Ficon   | 100,00%   | France  | France  |
| Centrale Solaire Forum Laudun Centrale Solaire Gare de Boussens  | 100,00%<br>100,00%  | France<br>France  | France<br>France                                      |
| Centrale Solaire Golbey  | 100,00%   | France  | France  |
| Centrale Solaire Guinots   | 100,00%   | France  | France  |
| Centrale Solaire Heliovale   | 59,63% E  | France  | France  |
| Centrale Solaire La Fenasse Centrale Solaire La Metairie   | 100,00%<br>100,00%  | France  | France  |
| Centrale Solaire La Potence  | 100,00%   | France<br>France  | France<br>France                                      |
| Centrale Solaire La Sauteirane   | 100,00%   | France  | France  |
| Centrale Solaire La Tastere  | 100,00%   | France  | France  |
| Centrale Solaire Le Castellet  | 100,00%   | France  | France  |
| Centrale Solaire Les Ancizes Centrale Solaire Les Aspres   | 100,00%<br>100,00%  | France<br>France  | France<br>France                                      |
| Centrale Solaire Les Canebieres  | 100,00%   | France  | France  |
| Centrale Solaire Les Cordeliers  | 83,98%  | France  | France  |
| Centrale Solaire Les Cordeliers 2 Centrale Solaire Les Galliennes  | 100,00%   | France  | France  |
| Centrale Solaire Les Galliennes Centrale Solaire Lodes   | 100,00%<br>50,00% E   | France<br>France  | France<br>France                                      |
| Centrale Solaire Lyreco  | 100,00%   | France  | France  |
| Centrale Solaire Manosque Ombriere   | 100,00%   | France  | France  |
| Centrale Solaire Mazeran Lr  | 50,00% E  | France  | France  |
| Centrale Solaire Mazeran Paca Centrale Solaire Olinoca   | 100,00%<br>10,00% E   | France<br>France  | France<br>France                                      |
| Centrale Solaire Olinoca Centrale Solaire Ombrieres Cap Agathois   | 10,00% E<br>83,98%  | France<br>France  | France<br>France                                      |
| Centrale Solaire Ombrieres De Blyes  | 100,00%   | France  | France  |
| Centrale Solaire Ombrieres P5  | 100,00%   | France  | France  |
| Centrale Solaire Pezenas   | 100,00%   | France  | France  |
| Centrale Solaire Piennes Centrale Solaire Plateau De Pouls   | 100,00%<br>51,00%   | France<br>France  | France<br>France                                      |
| Centrale Solaire Pont Sur Sambre   | 100,00%   | France  | France  |
| Centrale Solaire Quadrao   | 100,00%   | France  | France  |
| Centrale Solaire Quinipily 2   | 100,00%   | France  | France  |
| Centrale Solaire Sainte-Marie La Mare Centrale Solaire SPW2  | 100,00%<br>100,00%  | France<br>France  | France<br>France                                      |
| Centrale Solaire Srw2 Centrale Solaire Supdevenergie   | 100,00%   | France  | France  |
|  | 100,00%   | France  | France  |
| Centrale Solaire Toiture Josse   |   | France  | France  |
| Centrale Solaire TQ1   | 100,00%   |   | France  |
| Centrale Solaire TQ1<br>Centrale Solaire Valorbi   | 100,00%   | France<br>France  | 1   |
| Centrale Solaire TQ1<br>Centrale Solaire Valorbi<br>Centrale Solaire Zabo  | 100,00%<br>100,00%  | France  | France  |
| Centrale Solaire TQ1<br>Centrale Solaire Valorbi   | 100,00%   |   |   |
| Centrale Solaire TQ1 Centrale Solaire Valorbi Centrale Solaire Zabo Centrale Solaire Zabo 2 Cerezo Solar, S.L.U. Cidra Solar, S.L.U.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%                                   | France<br>France<br>Spain<br>Spain                          | France<br>France<br>Spain<br>Spain                    |
| Centrale Solaire TQ1 Centrale Solaire Valorbi Centrale Solaire Zabo Centrale Solaire Zabo Centrale Solaire Zabo 2 Cerezo Solar, S.L.U. Cidra Solar, S.L.U. Co Biogaz                               | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>26,00%                         | France<br>France<br>Spain<br>Spain<br>France                | France<br>France<br>Spain<br>Spain<br>France          |
| Centrale Solaire TQ1 Centrale Solaire Valorbi Centrale Solaire Zabo Centrale Solaire Zabo 2 Cerezo Solar, S.L.U. Cidra Solar, S.L.U. Cidra Solar, S.L.U. Co Biogaz Cogenra Solar, Inc.             | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>26,00% E<br>51,61%             | France France Spain Spain France United States              | France Spain Spain France United States               |
| Centrale Solaire TQ1 Centrale Solaire Valorbi Centrale Solaire Zabo Centrale Solaire Zabo Centrale Solaire Zabo 2 Cerezo Solar, S.L.U. Cidra Solar, S.L.U. Co Biogaz                               | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>26,00%                         | France<br>France<br>Spain<br>Spain<br>France                | France<br>France<br>Spain<br>Spain<br>France          |
| Centrale Solaire TQ1 Centrale Solaire Valorbi Centrale Solaire Zabo Centrale Solaire Zabo 2 Cerezo Solar, S.L.U. Cidra Solar, S.L.U. Co Biogaz Cogerra Solar, Inc. Colón LNG Marketing S. de R. L. | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>26,00% E<br>51,61%<br>50,00% E | France France Spain Spain Spain France United States Panama | France France Spain Spain France United States Panama |

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| DAJA 154<br>DAJA 160   | 100,00%<br>100,00%  | France<br>France   | France<br>France   |
| ECA LNG Holdings B.V.  | 16,60% E  | Netherlands  | Netherlands  |
| Eclipse Solar SPA  | 100,00%   | Chile  | Chile  |
| Edelweis Solar, S.L.U.   | 100,00%   | Spain  | Spain  |
| EDP Comercializadora S.A.U. EDP Energia S.A.U.   | 100,00%<br>100,00%  | Spain<br>Spain   | Spain<br>Spain   |
| Electricite Solaire De Molleges  | 100,00%   | France   | France   |
| Energie Developpement  | 50,00% E  | France   | France   |
| Eole Boin  | 100,00%   | France   | France   |
| Eole Champagne Conlinoise  | 66,00% E  | France   | France   |
| Eole Cote Du Moulin Eole Fonds Caraibes  | 100,00%<br>100,00%  | France<br>France   | France<br>France   |
| Eole Grand Maison  | 100,00%   | France   | France   |
| Eole La Montagne   | 87,60%  | France   | France   |
| Eole La Perriere S.A.R.L.  | 100,00%   | France   | France   |
| Eole Les Buissons Eole Morne Carriere  | 100,00%<br>100,00%  | France<br>France   | France   |
| Eole Morne Constant  | 100,00%   | France   | France<br>France   |
| Eole Moulin Tizon  | 100,00%   | France   | France   |
| Eole Pierrefitte Es Bois   | 100,00%   | France   | France   |
| Eole Sorbon II   | 100,00%   | France   | France   |
| Eole Yate Eoliennes Arques 3   | 100,00%<br>100,00%  | France<br>France   | France<br>France   |
| Eoliennes Du Champ Chardon   | 100,00%   | France   | France   |
| Eolmed   | 20,00% E  | France   | France   |
| Falla Solar, S.L.U.  | 100,00%   | Spain  | Spain  |
| Fast Jung KB   | 99,99%  | Sweden   | Sweden   |
| Finansol 1 Finansol 2  | 100,00%<br>100,00%  | France<br>France   | France<br>France   |
| Finansol 3   | 100,00%   | France   | France   |
| Fluxsol  | 100,00%   | France   | France   |
| Frieman & Wolf Batterietechnick GmbH   | 99,99%  | Germany  | Germany  |
| Gas Del Litoral SRLCV  | 25,00% E  | Mexico   | Mexico United States   |
| Gfs I Holding Company, LLC Glaciere De Palisse   | 51,61%<br>100,00%   | United States France   | United States France   |
| Global Energy Armateur SNC   | 100,00%   | France   | France   |
| Global LNG Armateur S.A.S.   | 100,00%   | France   | France   |
| Global LNG Downstream S.A.S.   | 100,00%   | France   | France   |
| Global LNG North America Corporation Global LNG S.A.S.   | 100,00%<br>100,00%  | United States  | United States  |
| Global LNG S.A.S. Global LNG UK Limited  | 100,00%   | France United Kingdom  | France United Kingdom  |
| Go Electric  | 99,99%  | United States  | United States  |
| Golden Fields Solar I, LLC   | 51,61%  | United States  | United States  |
| Goodfellow Solar Construction, LLC   | 51,61%  | United States  | United States  |
| Goodfellow Solar III, LLC  | 51,61%  | United States  | United States  |
| Goodfellow Solar III, LLC Gray Whale Offshore Wind Power No.1 Co., Ltd   | 51,61%<br>50,00% E  | United States South Korea  | United States South Korea  |
| Gray Whale Offshore Wind Power No.2 Co., Ltd   | 50,00% E  | South Korea  | South Korea  |
| Greenflex Actirent Group, S.L.   | 100,00%   | Spain  | Spain  |
| Greenflex S.A.S.   | 99,99%  | France   | France   |
| GridVault DR1, LLC   | 51,61%  | United States  | United States  |
| Grillete Solar, S.L.U. Gulf Total Tractebel Power Company PSJC   | 100,00%<br>20,00% E   | Spain United Arab Emirates   | Spain United Arab Emirates   |
| Helio 100 Kw   | 100,00%   | France   | France   |
| Helio 21   | 100,00%   | France   | France   |
| Helio 974 Sol 1  | 100,00%   | France   | France   |
| Helio 974 Toitures   |   |  |  |
|  | 100,00%   | France   | France   |
| Helio 974 Toiture 2  | 100,00%   | France   | France   |
|  |   |  |  |
| Helio 974 Toiture 2<br>Helio Bakia   | 100,00%<br>50,00% E<br>50,00% E<br>50,00% E   | France<br>France   | France<br>France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes   | 100,00%<br>50,00% E<br>50,00% E<br>50,00% E<br>100,00%  | France France France France France France  | France France France France France France France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac  | 100,00%<br>50,00% E<br>50,00% E<br>50,00% E<br>100,00%<br>50,00% E  | France France France France France France France France  | France France France France France France France France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio L'R  | 100,00%<br>50,00% E<br>50,00% E<br>50,00% E<br>100,00%<br>50,00% E<br>100,00%   | France  | France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac  | 100,00%<br>50,00% E<br>50,00% E<br>50,00% E<br>100,00%<br>50,00% E  | France France France France France France France France  | France France France France France France France France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Kelio Helio Kelio | 100,00%<br>50,00% E<br>50,00% E<br>50,00% E<br>100,00% E<br>100,00% E<br>100,00% E<br>100,00% E   | France   | France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Kumac Helio Vira Helio Moindah Helio Piin Patch Helio Pinia des Gaiacs Helio Popidery  | 100,00%<br>50,00% E<br>50,00% E<br>50,00% E<br>100,00%<br>50,00% E<br>100,00%<br>100,00%<br>100,00%<br>50,00% E<br>100,00%  | France  | France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio L'R Helio Mindah Helio Piin Patch Helio Popidery Helio Reunion   | 100,00%   50,00%   E   50,00%   E   50,00%   E   100,00%  | France   | France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Kumac Helio Vira Helio Moindah Helio Piin Patch Helio Pinia des Gaiacs Helio Popidery  | 100,00%<br>50,00% E<br>50,00% E<br>50,00% E<br>100,00%<br>50,00% E<br>100,00%<br>100,00%<br>100,00%<br>50,00% E<br>100,00%  | France  | France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio Piin Patch Helio Piin Patch Helio Piin Patch Helio Popidery Helio Reunion Helio Saint Benoit Helio Rema   | 100,00%   50,00%   E   50,00%   E   50,00%   E   100,00%   50,00%   E   \$0.00%   E | France   | France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Komac Helio L'R Helio Moindah Helio L'R Helio Moindah Helio Plaine des Gaiacs Helio Popidery Helio Plaine Helio Fonds Helio Saint Benoit Helio Saint Benoit Helio Tamoa Helio Tamoa Helio Temala Helio Tomoat   | 100,00% 50,00% E 50,00% E 50,00% E 100,00% 50,00% E  | France  | France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Kumac Helio Kumac Helio Kimac Helio Via Helio Moindah Helio Pin Patch Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Parine Helio Sint Benoit Helio Tamoa Helio Tamoa Helio Temala Helio Temala Helio Tottouta Helio Wabbealo  | 100,00% 50,00% E 50,00% E 50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E 100,00% 50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00%  | France  | France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Komac Helio L'R Helio Moindah Helio L'R Helio Moindah Helio Plaine des Gaiacs Helio Popidery Helio Plaine Helio Fonds Helio Saint Benoit Helio Saint Benoit Helio Tamoa Helio Tamoa Helio Temala Helio Tomoat   | 100,00% 50,00% E 50,00% E 50,00% E 100,00% 50,00% E  | France  | France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio Piin Patch Helio Piane des Gaiacs Helio Popidery Helio Reunion Helio Saint Benoit Helio Temala Helio Temala Helio Tontouta Helio Tontouta Helio Tontouta Helio Project III, LLC   | 100,00% 50,00% E 50,00% E 50,00% E 100,00% 100,00% 100,00% 100,00% 50,00% E 50,00% E   | France   | France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Killia Helio Filia Helio Moindah Helio Pliin Patch Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Tamoa Helio Tamoa Helio Tamoa Helio Tontouta Helio Tontouta Helio Tontouta Helio Tontouta Helio Yopject III, LLC Helix Project V, LLC Helix Project V, LLC Helix Froject V, LLC  | 100,00% 50,00% E 50,00% E 50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E 50,00% E 50,00% E 50,00% E 50,00% E 100,00%  | France United States France   | France United States France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Fine Patch Helio Pin Patch Helio Pin Patch Helio Pin Patch Helio Pine Patch Helio Popidery Helio Reunion Helio Saint Benoit Helio Tontouta Helio Tontouta Helio Tontouta Helio Tontouta Helio Wabaalo  | 100,00%   50,00%   E   50,00%   E   50,00%   E   100,00%  | France United States France   | France United States France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio L'R Helio Moindah Helio Plaine des Gaiacs Helio Palaine des Gaiacs Helio Popidery Helio Reunion Helio Sant Benoit Helio Tamoa Helio Temala Helio Tontouta Helio Temala Helio Tontouta   | 100,00% 50,00% E 50,00% E 50,00% E 100,00% 50,00% E 100,00% 100,00% 100,00% 100,00% 50,00% E 100,00% 50,00% E 100,00% 100,00% 50,00% E 100,00% 100,00% 51,61% 51,61% 51,61% 51,61% 51,61% 50,00% E  | France  | France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Fine Patch Helio Pin Patch Helio Pin Patch Helio Pin Patch Helio Pine Patch Helio Popidery Helio Reunion Helio Saint Benoit Helio Tontouta Helio Tontouta Helio Tontouta Helio Tontouta Helio Wabaalo  | 100,00%   50,00%   E   50,00%   E   50,00%   E   100,00%  | France United States France   | France United States France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio L'R Helio Moindah Helio Plaine des Gaiacs Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Saint Benoit Helio Tamoa Helio Tamoa Helio Temala  | 100,00% 50,00% E 50,00% E 50,00% E 100,00% 50,00% E 100,00% 100,00% 100,00% 50,00% E 100,00% 100,00% 50,00% E 100,00%   | France  | France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio Kumac Helio Kimac Helio Mindah Helio Pin Patch Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Pine Testin Helio Saint Benoit Helio Tamoa Helio Tamoa Helio Temala Helio Tontouta Helio Tontouta Helio Tontouta Helio Wabealo Helix Project III, LLC Helix Project V, LLC Helix TY Holding Eole 2018 Hydro Tinee Hydromons Ichthys LNG PTY Limited Institut Photovoltaique D'ile De France (IPVF) Ise Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC  | 100,00% 50,00% E 50,00% E 50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E 100,00% 100,00% 100,00% 50,00% E 100,00% 100,00% 100,00% 50,00% E 100,00% 50,00% E 100,00% 100,00% 50,00% E 100,00% 100,00% 50,00% E 100,00% 51,61% 100,00% 50,00% E 100,00% 51,61% 100,00% 50,00% E 100,00%  | France Australia France Japan United States  | France Junited States  United States  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Fine Helio Koumac Helio Pin Patch Helio Mindah Helio Pin Patch Helio Pin Patch Helio Pin Patch Helio Panac des Gaiacs Helio Popidery Helio Reunion Helio Panac Helio Tamaa Helio Tamaa Helio Tamaa Helio Tontouta Helio Tontouta Helio Tontouta Helio Tortouta Helio Melio Koumac Helio Tontouta Helio Melio Koumac Helio Tontouta Helio To | 100,00%   50,00%   E   50,00%   E   50,00%   E   100,00%  | France Julied States United States France Australia France Japan United States China  | France United States United States France Lustralia France Japan United States China   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio Kumac Helio Kumac Helio L'R Helio Moindah Helio Platch Helio Platch Helio Platch Helio Platch Helio Platch Helio Patch Helio Popidery Helio Reunion Helio Saint Benoit Helio Tamoa Helio Tamoa Helio Tamoa Helio Tamoa Helio Temala Helio Tontouta Helio Wabealo Helix Project III, LLC Hettry Holding Eole 2018 Hydro Tinee Hydromons Ichthys ING PTY Limited Institut Photovoltaique D'ile De France (IPVF) Ise Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jimcp  | 100,00%   50,00%   E   50,00%   E   100,00%   | France Junited States United States France  | France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Fine Helio Koumac Helio Pin Patch Helio Mindah Helio Pin Patch Helio Pin Patch Helio Pin Patch Helio Panac des Gaiacs Helio Popidery Helio Reunion Helio Panac Helio Tamaa Helio Tamaa Helio Tamaa Helio Tontouta Helio Tontouta Helio Tontouta Helio Tortouta Helio Melio Koumac Helio Tontouta Helio Melio Koumac Helio Tontouta Helio To | 100,00%   50,00%   E   50,00%   E   50,00%   E   100,00%  | France Julied States United States France Australia France Japan United States China  | France United States United States France Lustralia France Japan United States China   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Kouma Helio Kouma Helio Kuma Helio Kuma Helio Kuma Helio Kuma Helio Platch Helio Patch Helio Patch Helio Fanca Helio Fondery Helio Saint Benoit Helio Tamoa Helio Saint Benoit Helio Tamoa Helio Tomaa Helio Tomala Helio Tomotuta Helio Tomeal Helio Tomeal Helio Tomotuta Helio Tomotuta Helio Wabealo Helix Project IV, LLC HETTY Holding Eole 2018 Hydro Timee Hydromons Ichthys ING PTY Limited Institut Photovoltaique D'ile De France (IPVF) Ise Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jincp JOBS Tugboat, LLC Komundo Offshore Wind Power Co., Ltd LA Basin Solar I, LLC   | 100,00%   50,00%   E   50,00%   E   100,00%   | France South Korea United States South Korea United States  | France Japan United States China France United States  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio Koumac Helio TR Helio Moindah Helio Pilane des Gaiacs Helio Popidery Helio Reunion Helio Pilane des Gaiacs Helio Popidery Helio Reunion Helio Tamoa Helio Tamoa Helio Tamoa Helio Tamoa Helio Temala Helio Temala Helio Temala Helio Temala Helio Temala Helio Tomoa Helio Temala Helio Tomoa   | 100,00%   50,00%   E  | France Junited States China France United States China France United States South Korea United States  | France United States Gould Nove   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio Kumac Helio Vir Helio Moindah Helio Plane des Gaiacs Helio Popidery Helio Reunion Helio Patch Helio Saint Benoit Helio Tamoa Helio Tamoa Helio Tamoa Helio Temala Helio Tontouta Helio Tontouta Helio Tontouta Helio Wabealo Helix Project III, LLC Helix Project V, LLC Helix Project V, LLC Helix Try Holding Eole 2018 Hydro Tinee Hydromons Ichthys LNG PTY Limited Institut Photovoltaique D'lle De France (IPVF) Isse Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jimcp JOBS Tugboat, LLC Komundo Offshore Wind Power Co., Ltd La Compagnie Electrique de Bretagne La Ompagnie Electrique de Bretagne La Ompagnie Electrique de Bretagne   | 100,00%   50,00%   E   50,00%   E   50,00%   E   100,00%  | France South Grea United States South Korea United States France France France France France Lipan Lipted States China France Lipted States South Korea United States France  | France United States United States United States United States United States United States France France France France France France France United States China France United States China France United States South Korea United States France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio Killer Helio Moindah Helio Plane des Gaiacs Helio Plane des Gaiacs Helio Popidery Helio Reunion Helio Saint Benoit Helio Saint Benoit Helio Saint Benoit Helio Tamoa Helio Tomoa  | 100,00%   50,00%   E   50,00%   E   100,00%   | France Japan United States China France John Morea United States United States China France John Morea United States France United States France   | France United States United States France South Korea United States United States China France United States China France United States South Korea United States France United States France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Tomac Helio Tamac Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Tamac Helio Tamac Helio Tamac Helio Tamac Helio Temala Helio Temala Helio Tomac Helio Toma | 100,00%   50,00%   E   50,00%   E   50,00%   E   100,00%  | France South Grea United States South Korea United States France France France France France Lipan Lipted States China France Lipted States South Korea United States France  | France United States United States United States France France France France France France France France Japan Junted States China France United States China France United States China France Japan United States China France Japan United States China France Japan United States China France United States France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Kumac Helio Kumac Helio L'R Helio Moindah Helio Plath Helio Plath Helio Plath Helio Plath Helio Plath Helio Plath Helio Path Helio Path Helio Path Helio Path Helio Remion Helio Saint Benoit Helio Saint Benoit Helio Saint Benoit Helio Tamoa Helio Tomoa  | 100,00%   50,00%   E   50,00%   E   100,00%   | France Iapan United States China France United States China France   | France United States United States United States France Intel States United States France France France Japan United States United States China France United States France United States France United States France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio L'R Helio Moindah Helio Plaine des Gaiacs Helio Piaine des Gaiacs Helio Popidery Helio Reunion Helio Saint Benoit Helio Tamoa Helio Tamoa Helio Tamoa Helio Temala Helio Temala Helio Temala Helio Temala Helio Tomota Helio Temala Helio Tomoa Helio Temala Helio Tomota Helio Wabealo Helix Project III, LLC HETTY Holding Eole 2018 Hydro Tinee Hydromons Ichthys ING PTY Limited Institut Photovoltaique D'Ile De France (IPVF) Ise Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jimcp JOBS Tugboat, LLC Komundo Offshore Wind Power Co., Ltd La Basin Solar I, LLC La Compagnie Electrique de Bretagne La Metarire Neuve La Seauve Lampiris S.A. Lanuza Solar, S.L.U. Lemoore Stratford Land Holdings IV, LLC Les Vents De Nivillac   | 100,00%   50,00%   E  | France Japan United States China France Japan United States France France France France France France Belgium Spain United States France Belgium Spain United States France  | France Belgium Spain United States France Belgium Spain United States   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio TR Helio Moindah Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Pini Patch Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Tamoa Helio Tamoa Helio Tamoa Helio Tamoa Helio Temala Helio Temala Helio Temala Helio Temala Helio Tomota Helio Temala Helio Tomota Helio Wabealo Helix Project III, LLC Helix Project V, LLC LES Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jingdan New Energy investment | 100,00%   50,00%   E   50,00%   E   100,00%   E   E   E   E   E   E   E   E   E   | France Australia France Louited States China France United States China France France United States France France France France France France France United States South Korea United States France  | France United States United States France Jupan United States United States France Junited States France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio L'R Helio Moindah Helio Plaine des Gaiacs Helio Piaine des Gaiacs Helio Popidery Helio Reunion Helio Saint Benoit Helio Tamoa Helio Tamoa Helio Tamoa Helio Temala Helio Temala Helio Temala Helio Temala Helio Tomota Helio Temala Helio Tomoa Helio Temala Helio Tomota Helio Wabealo Helix Project III, LLC HETTY Holding Eole 2018 Hydro Tinee Hydromons Ichthys ING PTY Limited Institut Photovoltaique D'Ile De France (IPVF) Ise Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jimcp JOBS Tugboat, LLC Komundo Offshore Wind Power Co., Ltd La Basin Solar I, LLC La Compagnie Electrique de Bretagne La Metarire Neuve La Seauve Lampiris S.A. Lanuza Solar, S.L.U. Lemoore Stratford Land Holdings IV, LLC Les Vents De Nivillac   | 100,00%   50,00%   E  | France Japan United States China France Japan United States China France Japan United States France  | France Belgium Spain United States France Belgium Spain United States   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio L'R Helio Moindah Helio Plath Helio Path Helio Path Helio Rominon Helio Saint Benoit Helio Saint Benoit Helio Saint Benoit Helio Tamoa Helio Tontouta Helio Tontouta Helio Tontouta Helio Trenala Helio Trone Helio Trone Helix Project IV, LLC HETTY Holding Eole 2018 Hydro Tinee Hydromons Ichthys LNG PTY Limited Institut Photovoltaique D'lle De France (IPVF) Ise Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jincp JOBS Tigboat, LLC La Compagnie Electrique de Bretagne La Metairic Neuve La Seauve Lampris S.A. Lanuza Solar, S.L.U. Lemoore Stratford Land Holdings IV, LLC Les Vents De Rivisi De Ranes Leuret  | 100,00%   50,00%   E  | France Australia France Louited States China France United States China France France United States France France France France France France France United States South Korea United States France  | France United States United States United States France Interest States United States France France France France France Japan United States United States France United States France United States France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Komac Helio L'R Helio Moindah Helio L'R Helio Moindah Helio Plaine des Gaiacs Helio Popidery Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Saint Benoit Helio Saint Benoit Helio Saint Benoit Helio Tamoa Helio Tomala Helio | 100,00%   50,00%   50,00%   50,00%   50,00%   100,00%   50,00%   100,00%   50,00%   100,00%   50,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   100,00%   51,61%   51,61%   50,00%   100,00%   | France Beglum Spain United States France  | France Japan United States China France United States France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio L'R Helio Moindah Helio Plaine des Gaiacs Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Saine Benoit Helio Tamoa Helio Tamoa Helio Temala Helio Tamoa Helio Temala Helio Tontouta Helio Wabealo Helix Project III, LLC HETTY Holding Eole 2018 Hydro Tinee Hydromons Ichthys ING PTY Limited Institut Photovoltaique D'Ile De France (IPVF) Ise Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jingdan New Energy investment (Shanghai) Co. Ltd LA Basin Solar I, LLC La Compagnie Electrique de Bretagne La Metairie Neuve La Seauve Lampiris S.A. Lanuza Solar, S.L.U. Lemoore Strafford Land Holdings IV, LLC Les Vents De Ranes Leuret Lincoln Solar Star, LLC Luce Solar SPA Luminora Solar Cost. S.L. Luminora Solar Cost, S.L. Luminora Solar Scar, LLC Luricoln Solar Star, LLC Luricoln Luricoln Solar Star, LLC Luric | 100,00%   50,00%   E  | France Japan United States South Korea United States France   | France Japan United States China France United States France   |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Kumac Helio L'R Helio Moindah Helio Plaine des Gaiacs Helio Papidery Helio Reunion Helio Path Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Saine Benoit Helio Tamoa Helio Temala Helio Tomotat Helio Wabealo Helix Project III, LLC HETTY Holding Eole 2018 Hydro Tinee Hydromons Ichthys ING PTY Limited Institut Photovoltaique D'ile De France (IPVF) Isse Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jimpp JOBS Tugboat, LLC Komundo Offshore Wind Power Co., Ltd La Basin Solar I, LLC La Compagnie Electrique de Bretagne La Metairie Neuve La Mesair Solar, S.L.U. Lemoore Stratford Land Holdings IV, LLC Les Vents De Nivillac Les Vents De Ranes Leuret Lincoln Solar Star, LLC Lurinora Solar Tes, S.L. Luminora Solar Tes, S.L. Luminora Solar Tes, S.L. Luminora Solar Tes, S.L.  | 100,00%   50,00%   E  | France Begunt Spain United States France Belgium Spain United States France  | France Junited States United States United States United States South Korea United States France United States France  |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Komac Helio L'R Helio Moindah Helio Plane des Gaiacs Helio Plaine des Gaiacs Helio Plaine des Gaiacs Helio Plaine des Gaiacs Helio Popidery Helio Reunion Helio Saint Benoit Helio Tamoa Helio Tomala Helio Tomala Helio Tomotuta Helio Tomela Hydromons Ichthys LNG PTY Limited Institut Photovoltaique D'lle De France (IPVF) Ise Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jingch JOBS Tugboat, LLC Komundo Offshore Wind Power Co., Ltd LA Basin Solar I, LLC La Compagnie Electrique de Bretagne La Metairie Neuve La Seauve Lamura Solar, S.L.U. Lemoore Stratford Land Holdings IV, LLC Les Vents De Nivillac Les Vents De Ranes Leuret Lincoln Solar Star, LLC Luminora Solar Tres, S.L. Margeriaz Energie   | 100,00%   50,00%   50,00%   50,00%   100,00%   50,00%   100,00%   50,00%   100,00%   100,00%   50,00%   100,00%   | France Iupited States United States United States China France United States France | France Japan United States United States France United States France Fra |
| Helio 974 Toiture 2 Helio Bakia Helio Boulouparis Helio Boulouparis 2 Helio Fonds Caraibes Helio Koumac Helio Koumac Helio L'R Helio Moindah Helio Plaine des Galacs Helio Plaine des Galacs Helio Popidery Helio Reunion Helio Saint Benoit Helio Tamoa Helio Tamoa Helio Tamoa Helio Tamoa Helio Temala Helio Tomala Helio Tomela Helio Project IV, LLC HETTY Holding Eole 2018 Hydromons Ichthys LNG PTY Limited Institut Photovoltaique D'lie De France (IPVF) Ses Total Nanao Power Plant G.K. JDA Overseas Holdings, LLC Jingdan New Energy investment (Shanghai) Co. Ltd Jingdan New Energy investment (Shanghai) Co. Ltd Jingdan New Energy investment (Shanghai) Co. Ltd Jingdan Sela Sain, LLC La Sasin Solari, LLC La Sasin Solari, LLC La Seauve Lampiris S.A. Lanuza Solar, S.L.U. Lemoore Stratford Land Holdings IV, LLC Leve Vents De Ranes Leuret Lincoln Solar Star, LLC Luncoln Solar Star, LLC Luncoln Solar Star, LLC Luminora Solar Courto, S.L. Luminora Solar Courto, S.L. Luminora Solar Courto, S.L. Luminora Solar Toes, S.L. Luminora Solar Toes, S.L. Luminora Solar Toes, S.L. Luminora Solar Tres, S.L.   | 100,00%   50,00%   E  | France Begunt Spain United States France Belgium Spain United States France  | France United States China France France United States South Korea United States France United States France  |

| <u></u>  | <u> </u>            |                                    |                             |
|--|---------------------|------------------------------------|-----------------------------|
| Maxeon Solar Technologies, Pte. Ltd.   | 36,40% E            | Singapore                          | Singapore                   |
| Messigaz SNC<br>Methanergy   | 100,00%<br>100,00%  | France<br>France                   | France<br>France            |
| Missiles & Space Batteries Limited   | 49,99% E            | United Kingdom                     | United Kingdom              |
| Miyagi Osato Solar Park G.K.   | 45,00% E            | Japan                              | Japan                       |
| Miyako Kuzakai Solarpark G.K.<br>Mojave Solar Investment, LLC  | 50,00% E<br>51,61%  | Japan<br>United States             | Japan<br>United States      |
| Moz LNG1 Financing Company Ltd   | 26,50%              | United States United Arab Emirates | United Arab Emirates        |
| Moz LNG1 Holding Company Ltd   | 26,50%              | United Arab Emirates               | United Arab Emirates        |
| Mozambique MOF Company S.A.  | 26,50%              | Mozambique                         | Mozambique                  |
| Mozambique LNG Marine Terminal Company S.A.  Mulilo Prieska PV (RF) Proprietary Limited                          | 26,50%<br>27,00% E  | Mozambique<br>South Africa         | Mozambique<br>South Africa  |
| National Gas Shipping Company Limited  | 5,00% E             | United Arab Emirates               | United Arab Emirates        |
| NEM Solar Targetco, LLC  | 51,61%              | United States                      | United States               |
| Nevada Joint Union High School District Solar, LLC   | 51,61%              | United States                      | United States               |
| Nigeria LNG Limited  | 15,00% E<br>51,61%  | Nigeria<br>United States           | Nigeria United States       |
| NorthStar Energy Management, LLC NorthStar Energy Management Nevada, LLC   | 51,61%              | United States United States        | United States United States |
| Nouvelle Centrale Eolienne de Lastours   | 50,00% E            | France                             | France                      |
| Nuza Solar, S.L.U.   | 100,00%             | Spain                              | Spain                       |
| Nyk Armateur S.A.S.  | 50,00% E            | France                             | France                      |
| Oman LNG, LLC Parc Eolien Nordex III   | 5,54% E<br>50,00% E | Oman<br>France                     | Oman<br>France              |
| Parc Eolien Nordex XXIX  | 50,00% E            | France                             | France                      |
| Parc Eolien Nordex XXX   | 50,00% E            | France                             | France                      |
| Parc Solaire De Servian  | 100,00%             | France                             | France                      |
| Parc Solaire De Servian 2 Parque Fotovoltaico Alicahue Solar SPA   | 100,00%<br>100,00%  | France<br>Chile                    | France<br>Chile             |
| Parque Fotovoltaico Santa Adriana Solar SPA  | 100,00%             | Chili                              | Chili                       |
| Partrederiet Bw Gas Global LNG   | 49,00% E            | Norway                             | Norway                      |
| Perpetual Sunhine Solar Program I, LLC   | 51,61%              | United States                      | United States               |
| Perpetual Sunshine I, LLC Pilastra Solar, S.L.U.   | 51,61%<br>100,00%   | United States Spain                | United States Spain         |
| Portalon Solar, S.L.U.   | 100,00%             | Spain                              | Spain                       |
| Pos  | 100,00%             | France                             | France                      |
| Pos Production Ii  | 60,00%              | France                             | France                      |
| Pos Production Iii Pos Production Iv   | 70,00%<br>70,00%    | France<br>France                   | France<br>France            |
| Pos Production IV Pos Production V   | 70,00%              | France<br>France                   | France<br>France            |
| Postigo Solar, S.L.U.  | 100,00%             | Spain                              | Spain                       |
| Qatar Liquefied Gas Company Limited  | 10,00% E            | Qatar                              | Qatar                       |
| Qatar Liquefied Gas Company Limited (II)   | 16,70% E            | Qatar                              | Qatar                       |
| Quadrica Quilla Solar, S.L.U.  | 51,00% E<br>100,00% | France<br>Spain                    | France<br>Spain             |
| RLA Solar SPA  | 100,00%             | Chile                              | Chile                       |
| Rosamond Raven Holdings, LLC   | 51,61%              | United States                      | United States               |
| Saft (Zhuhai FTZ) Batteries Company Limited  | 99,99%              | China                              | China                       |
| Saft (Zhuhai) Energy Storage Co<br>Saft AB   | 99,99%<br>99,99%    | China                              | China                       |
| Saft Acquisition S.A.S.  | 99,99%              | Sweden<br>France                   | Sweden<br>France            |
| Saft America Inc.  | 99,99%              | United States                      | United States               |
| Saft AS  | 99,99%              | Norway                             | Norway                      |
| Saft Australia PTY Limited   | 99,99%              | Australia                          | Australia                   |
| Saft Batterias SL Saft Batterie Italia S.R.L.  | 99,99%<br>99,99%    | Spain<br>Italy                     | Spain<br>Italy              |
| Saft Batterien GmbH  | 99,99%              | Germany                            | Germany                     |
| Saft Batteries Pte Limited   | 99,99%              | Singapore                          | Singapore                   |
| Saft Batteries PTY Limited   | 99,99%              | Australia                          | Australia                   |
| Saft Batterijen B.V.<br>Saft Do Brasil Ltda  | 99,99%<br>99,99%    | Netherlands<br>Brazil              | Netherlands<br>Brazil       |
| Saft EV S.A.S.   | 99,99%              | France                             | France                      |
| Saft Ferak AS  | 99,99%              | Czech Republic                     | Czech Republic              |
| Saft Groupe S.A.   | 99,99%              | France                             | France                      |
| Saft Hong Kong Limited Saft India Private Limited  | 99,99%<br>99,99%    | Hong Kong<br>India                 | Hong Kong<br>India          |
| Saft Japan KK  | 99,99%              | Japan                              | Japan                       |
| Saft Limited   | 99,99%              | United Kingdom                     | United Kingdom              |
| Saft LLC   | 99,99%              | Russia                             | Russia                      |
| Saft Nife ME Limited   | 99,99%              | Cyprus                             | Cyprus                      |
| Saft S.A.S. Seagreen HoldCo 1 Limited  | 99,99%<br>51,00% E  | France United Kingdom              | France United Kingdom       |
| SGS Antelope Valley Development, LLC   | 51,61%              | United States                      | United States               |
| Shams Power Company PJSC   | 20,00% E            | United Arab Emirates               | United Arab Emirates        |
| Societe Champenoise d'Energie  | 16,00% E            | France                             | France                      |
| Societe d'exploitation de centrales photovoltaiques 1 Societe Economie Mixte Production Energetique Renouvelable | 25,86%<br>35,92% E  | France<br>France                   | France<br>France            |
| Solar Carport NJ, LLC  | 51,61%              | United States                      | United States               |
| Solar Energies   | 65,00% E            | France                             | France                      |
| Solar Sail, LLC  | 51,61%              | United States                      | United States               |
| Solar Sail Commercial DevCo I, LLC Solar Sail Commercial Holdings, LLC   | 51,61%<br>51,61%    | United States United States        | United States United States |
| Solar Sail Commercial Holdings, LLC Solar Sail Commercial MPW DevCo, LLC   | 51,61%              | United States United States        | United States United States |
| Solar Star Always Low Prices Ct, LLC   | 51,61%              | United States                      | United States               |
| Solar Star Always Low Prices Hi, LLC   | 51,61%              | United States                      | United States               |
| Solar Star Always Low Prices Ma, LLC Solar Star Arizona HMR-I, LLC   | 51,61%<br>51,61%    | United States United States        | United States United States |
| Solar Star Arizona III, LLC  | 51,61%              | United States United States        | United States United States |
| Solar Star Arizona VII, LLC  | 51,61%              | United States                      | United States               |
| Solar Star Bay City 2, LLC   | 51,61%              | United States                      | United States               |
| Solar Star Bear Creek, LLC Solar Star Big Apple CDG, LLC   | 51,61%<br>51,61%    | United States                      | United States United States |
| Solar Star Big Apple CDG, LLC Solar Star Big Apple BTM, LLC  | 51,61%<br>51,61%    | United States United States        | United States United States |
| Solar Star California I, LLC   | 51,61%              | United States                      | United States               |
| Solar Star California IV, LLC  | 51,61%              | United States                      | United States               |
| Solar Star California LXXV, LLC  | 51,61%              | United States                      | United States               |
| Solar Star California LXXVI, LLC Solar Star California XXXV, LLC   | 51,61%<br>51,61%    | United States United States        | United States United States |
| Solar Star California XXXV, LLC Solar Star California XXXVI, LLC   | 51,61%              | United States United States        | United States United States |
| Solar Star California XXXVIII, LLC   | 51,61%              | United States                      | United States               |
| Solar Star Co Co 1, LC   | 51,61%              | United States                      | United States               |
| Solar Star Co Co 2, LLC Solar Star Coastal Pirate, LLC   | 51,61%              | United States                      | United States               |
| NOTICE OUR COURTER FILET. LLC  | 51,61%              | United States                      | United States               |
|  | 51.61%              | United States                      | United States               |
| Solar Star Colorado II, LLC<br>Solar Star CRC Kern Front, LLC  | 51,61%<br>51,61%    | United States United States        | United States United States |
| Solar Star Colorado II, LLC Solar Star CRC Kern Front, LLC Solar Star CRC Yowlumne 1 North, LLC                  | 51,61%<br>51,61%    | United States United States        | United States United States |
| Solar Star Colorado II, LLC<br>Solar Star CRC Kern Front, LLC  | 51,61%              | United States                      | United States               |

|  |  | _  | _  |
|--|--|--|--|
| Solar Star CRC Pier A West, LLC  | 51,61%   | United States  | United States  |
| Solar Star CRC Mt. Poso, LLC<br>Solar Star Deer Island, LLC  | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star Energy Center, LLC  | 51,61%   | United States United States  | United States  United States   |
| Solar Star Golden Empire, LLC  | 51,61%   | United States  | United States  |
| Solar Star Harbor, LLC   | 51,61%   | United States  | United States  |
| Solar Star HD Maryland, LLC<br>Solar Star HD New Jersey, LLC   | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star HD New York, LLC  | 51,61%   | United States  | United States  |
| Solar Star Healthy 1, LLC  | 51,61%   | United States  | United States  |
| Solar Star Healthy Lake, LLC   | 51,61%   | United States  | United States  |
| Solar Star Hernwood, LLC Solar Star Kale 1, LLC  | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star Khsd, LLC   | 51,61%   | United States  | United States  |
| Solar Star LA County High Desert, LLC  | 51,61%   | United States  | United States  |
| Solar Star LCR Culver City, LLC  | 51,61%   | United States  | United States  |
| Solar Star LCR Irvine, LLC<br>Solar Star LCR LA 1, LLC   | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star LCR LA 2, LLC   | 51,61%   | United States  | United States  |
| Solar Star LCR Split 1, LLC  | 51,61%   | United States  | United States  |
| Solar Star LCR Split 2, LLC  | 51,61%   | United States  | United States  |
| Solar Star Lincoln School, LLC<br>Solar Star MA - Tewksbury, LLC   | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star Massachusetts II, LLC   | 51,61%   | United States United States  | United States  United States   |
| Solar Star Massachusetts III, LLC  | 51,61%   | United States  | United States  |
| Solar Star Maxx 1, LLC   | 51,61%   | United States  | United States  |
| Solar Star Meridian Park West, LLC   | 51,61%   | United States  | United States  |
| Solar Star Parent CRC Kern Front, LLC Solar Star Parent CRC Mt. Poso, LLC  | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star Parent CRC North Shafter, LLC   | 51,61%   | United States  United States   | United States United States  |
| Solar Star Parent CRC Pier A West, LLC   | 51,61%   | United States  | United States  |
| Solar Star Parent CRC Yowlumne 1 North, LLC  | 51,61%   | United States  | United States  |
| Solar Star Parent CRC Yowlumne 2 South, LLC Solar Star Parkton, LLC  | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star Parkton, LLC<br>Solar Star Prairie Holding, LLC   | 51,61%   | United States United States  | United States United States  |
| Solar Star Prime 2, LLC  | 51,61%   | United States  | United States  |
| Solar Star Prime 3, LLC  | 51,61%   | United States  | United States  |
| Solar Star Prime 4, LLC<br>Solar Star Prime SCK3, LLC  | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star Rancho CWD I, LLC   | 51,61%   | United States United States  | United States United States  |
| Solar Star River, LLC  | 51,61%   | United States  | United States  |
| Solar Star Track, LLC  | 51,61%   | United States  | United States  |
| Solar Star Track Anacostia, LLC  | 51,61%   | United States  | United States  |
| Solar Star Track Cheverly, LLC Solar Star Track Southern Ave 1, LLC  | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star Track Southern Ave 2, LLC   | 51,61%   | United States United States  | United States  |
| Solar Star Track Southern Ave Bus, LLC   | 51,61%   | United States  | United States  |
| Solar Star Tranquility, LLC  | 51,61%   | United States  | United States  |
| Solar Star Unkety Brook, LLC Solar Star Urbana Landfill Central, LLC   | 51,61%   | United States United States  | United States United States  |
| Solar Star Urbana Landfill East, LLC   | 51,61%<br>51,61%   | United States United States  | United States United States  |
| Solar Star Vegas 1, LLC  | 51,61%   | United States  | United States  |
| Solar Star Woodlands St Cr, LLC  | 51,61%   | United States  | United States  |
| SolarBridge Technologies Inc.  |  |  |  |
|  | 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC   | 51,61%   | United States  | United States  |
|  |  |  |  |
| Solarstar Billerica I, LLC<br>Solarstar Ma I, LLC  | 51,61%<br>51,61%   | United States United States  | United States United States United States United States United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Prime I, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC  | 51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%   | United States United States United States United States United States United States  | United States United States United States United States United States United States  |
| Solarstar Billerica I, LLC Solarstar Pan I, LLC Solarstar Prime I, LLC Solarstorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund B, LLC  | 51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Pime I, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC  | 51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%   | United States United States United States United States United States United States  | United States United States United States United States United States United States  |
| Solarstar Billerica I, LLC Solarstar Prime I, LLC Solarstar Prime I, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U.   | 51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>8,35% E<br>100,00%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Pime I, LLC Solarstorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC  | 51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>8,35% E<br>100,00%<br>51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Pime I, LLC Solarstorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spimaker Solar, S.L.U. SPWR SS J, LLC SPWR SS J, LLC SPWR SURStorage LLC   | 51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>61,61%<br>100,00%<br>51,61%<br>51,61%  | United States  | United States United Kingdom Spain United States United States United States   |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Pime I, LLC Solarstorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC  | 51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>51,61%<br>8,35% E<br>100,00%<br>51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Pime I, LLC Solarstorage Fund A, LLC Solarstorage Fund B, LLC Solarstorage Fund C, LLC Solarstorage Fund D, LLC Solarstorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SJ, LLC SPWR SunStrong Holdings, LLC SSCA XLI Holding Company, LLC SunPower Rasetto, LLC SunPower Bobcat Solar, LLC   | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61%  | United States  | United States United Kingdom Spain United States   |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Fine I, LLC Solarstar Fine I, LLC Solarstorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS I, LLC SPWR SUNStrong Holdings, LLC SSCA KLI Holding Company, LLC SunPower AssetCo, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC   | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SPWR SS 1, LLC SPWR SS 1, LLC SUPOwer AssetCo, LLC SunPower AssetCo, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC   | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 61,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61%  | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC Solarstorage Fund B, LLC Solarstorage Fund C, LLC Solarstorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS I, LLC SPWR SunStrong Holdings, LLC SSCA KLI Holding Company, LLC SunPower AssetCo, LLC SunPower AssetCo, LLC SunPower Capital Services, LLC  | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC Solarstorage Fund B, LLC Solarstorage Fund C, LLC SOLAR LAGING SOLAR SOL | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 61,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund B, LLC SPWR SS J, LLC SPWR SS J, LLC SPWR SUnStrong Holdings, LLC SSCA XLI Holding Company, LLC SunPower AssetCo, LLC SunPower AssetCo, LLC SunPower Gapital Services, LLC SunPower Capital, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Corporation   | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund B, LLC SolarStorage Fund B, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR S3, LLC SPWR SunStrong Holdings, LLC SPWR SunStrong Holdings, LLC SSCA XLI Holding Company, LLC SunPower Rebotat Solar, LLC SunPower Capital Services, LLC SunPower Capital LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Corporation SunPower Corporation, Systems  | 51,61%  | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Man I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS J, LLC SUP SPWR SS LLC SUP SPWR SS SUPPOWER CASE SUPPOWER CASE SUPPOWER CASE SUPPOWER COMMERCIAL FUE SUPPO | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC Solarstorage Fund A, LLC Solarstorage Fund B, LLC Solarstorage Fund C, LLC Solarstorage Fund D, LLC Solarstorage Fund D, LLC Solarstorage Fund D, LLC Solarstorage Fund B, LLC SOLAR HOOK LLC SUPPOWS SOLAR LLC SUNPOWER SOLAR LLC SUNPOWER Capital Services, LLC SunPower Capital Services, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Corporation SunPower Corporation, Systems SunPower DevCo, LLC SunPower DevCo, LLC SunPower Energia SPA   | 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SSI, LLC SPWR SSI, LLC SPWR SSI, LLC SPWR SURStrong Holdings, LLC SSCA KLI Holding Company, LLC SUNPOWER ASSETCO, LLC SUNPOWER ASSETCO, LLC SUNPOWER Capital Services, LLC SUNPOWER Capital, LLC SUNPOWER COMMERCIAL FIE CONSTRUCTION, LLC SUNPOWER COMMERCIAL FIE CONSTRUCTION, LLC SUNPOWER COMMERCIAL Holding Company FTB SLB Parent, LLC SUNPOWER COMMERCIAL Holding Company FTB SLB, LLC SUNPOWER COMMERCIAL HOLDING COMPANY FTB SLB, LLC SUNPOWER CORPORATION, Systems SUNPOWER CORPORATION, Systems SUNPOWER Electrical of New York, LLC SUNPOWER Electrical of New York, LLC SUNPOWER Energia SPA  | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC Solarstorage Fund A, LLC Solarstorage Fund A, LLC Solarstorage Fund C, LLC Solarstorage Solar, SLLU SPWR SS I, LLC SPWR SS I, LLC SPWR SUNStrong Holdings, LLC SSCA XLI Holding Company, LLC SunPower Bobcat Solar, LLC SunPower Capital Services, LLC SunPower Capital, LLC SunPower Commercial Folding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Comporation SunPower Devoc, LLC SunPower Energia SPA SunPower Energy Systems Canada Corporation   | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 61,61% 51,61%  | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SSI, LLC SPWR SSI, LLC SPWR SSI, LLC SPWR SURStrong Holdings, LLC SSCA KLI Holding Company, LLC SUNPOWER ASSETCO, LLC SUNPOWER ASSETCO, LLC SUNPOWER Capital Services, LLC SUNPOWER Capital, LLC SUNPOWER COMMERCIAL FIE CONSTRUCTION, LLC SUNPOWER COMMERCIAL FIE CONSTRUCTION, LLC SUNPOWER COMMERCIAL Holding Company FTB SLB Parent, LLC SUNPOWER COMMERCIAL Holding Company FTB SLB, LLC SUNPOWER COMMERCIAL HOLDING COMPANY FTB SLB, LLC SUNPOWER CORPORATION, Systems SUNPOWER CORPORATION, Systems SUNPOWER Electrical of New York, LLC SUNPOWER Electrical of New York, LLC SUNPOWER Energia SPA  | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC Solarstorage Fund A, LLC Solarstorage Fund A, LLC Solarstorage Fund C, LLC Solarstorage Solar, S.L.U. SPWR SS 1, LLC SPWR SS 1, LLC SPWR SS 1, LLC SPWR SUNStrong Holdings, LLC SSCA XLI Holding Company, LLC SURPower Bobcat Solar, LLC SunPower Capital Services, LLC SunPower Capital, LLC SunPower Commercial Folding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Comporation SunPower Corporation SunPower Foreparation Systems SunPower Energia SPA SunPower Energy Systems Canada Corporation SunPower Equity Holdings, LLC SunPower Foundation SunPower Foundation SunPower HoldCo, LLC   | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 61,61% 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund B, LLC SolarStorage Fund B, LLC SolarStorage Fund B, LLC Sourh Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS J, LLC SUNPOWER SOLAR SUNCE SUNPOWER CAPITAL SUNCE SUNPOWER CAPITAL SUNCE SUNPOWER CAPITAL SUNCE SUNPOWER COMMERCIAL HOLD SUNPOWER CORPORATION, SYSTEMS SUNPOWER CORPORATION, SYSTEMS SUNPOWER FLOREGIAS PA SUNPOWER FLORE | 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund B, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SSL, LLC SPWR SSL, LLC SPWR SunStrong Holdings, LLC SSCA XLI Holding Company, LLC SUNPOWER SSECO, LLC SUNPOWER SSECO, LLC SUNPOWER Capital, LLC SUNPOWER Capital, LLC SUNPOWER Capital, LLC SUNPOWER Commercial FTB Construction, LLC SUNPOWER Commercial Holding Company FTB SLB Parent, LLC SUNPOWER Commercial Holding Company FTB SLB, LLC SUNPOWER Commercial Holding Company FTB SLB, LLC SUNPOWER CORPORATION, Systems SUNPOWER CORPORATION, Systems SUNPOWER CERTICAL OF NEW YORK, LLC SUNPOWER Fleetrical OF New York, LLC SUNPOWER HoldCo, LLC SUNPOWER HOLD | 51,61%  | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund B, LLC Solarstorage Fund B, LLC Solarstorage Fund C, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SPWR SS 1, LLC SPWR SS 1, LLC SPWR SUnStrong Holdings, LLC SSCA XLI Holding Company, LLC SURPOwer Robotat Solar, LLC SunPower Capital Services, LLC SunPower Capital, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Comprescial Holding Company FTB SLB, LLC SunPower Comporation SunPower Corporation SunPower Foreparation, Systems SunPower Forepa SPA SunPower Fengis SPA SunPower Fengis SPA SunPower Fengis SPA SunPower Fengis Systems Canada Corporation SunPower Equity Holdings, LLC SunPower HoldCo, LLC SunPower HoldCo, LLC SunPower Manufacturing Oregon, LLC SunPower NY CDG 1, LLC SunPower NY CDG 1, LLC   | 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund B, LLC SolarStorage Fund D, LLC SolarStorage Fund B, LLC SolarStorage Fund D, LLC SolarStorage Fund S, LLC SolarStorage Fund S, LLC SolarStorage Fund S, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Comporation, Systems SunPower Edectrical of New York, LLC SunPower Fereigi SPA SunPower Edectrical of New York, LLC SunPower Fendation SunPower Felix I, LLC SunPower HoldCo, LLC SunPower HoldCo, LLC SunPower Manufacturing Oregon, LLC SunPower Manufacturing Oregon, LLC SunPower Manufacturing Oregon, LLC SunPower Manufacturing Oregon, LLC SunPower Nanufacturing LLC SunPower Nanufacturing LLC SunPower Revolver HoldCo I Parent, LLC   | 51,61%  | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund C, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SPWR SS 1, LLC SPWR SS 1, LLC SPWR SUnStrong Holdings, LLC SSCA XLI Holding Company, LLC SURPOwer Bobat Solar, LLC SunPower Capital, LCC SunPower Capital, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Comporation SunPower Corporation SunPower Corporation SunPower Electrical of New York, LLC SunPower Electrical of New York, LLC SunPower Energy Systems Canada Corporation SunPower Energy Systems Canada Corporation SunPower Energy Systems Canada Corporation SunPower Holdings, LLC SunPower Holdico, LLC SunPower Holdico, LLC SunPower Holdico, LLC SunPower Philippines Limited - Regional Operating Headquarters SunPower Revolver Holdico I, LLC SunPower Revolver Holdico I, LLC   | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 61,61% 51,61%  | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SPWR SS 1, LLC SPWR SS 1, LLC SPWR SSUNStrong Holdings, LLC SSCA XLI Holding Company, LLC SunPower AssetCo, LLC SunPower Sobotat Solar, LLC SunPower Fabital Services, LLC SunPower Capital Services, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial FTB Construction, LLC SunPower Comporation SunPower Corporation SunPower Corporation, Systems SunPower DevCo, LLC SunPower Energia SPA SunPower Energia SPA SunPower Energia SPA SunPower Equity Holdings, LLC SunPower Holdico, LLC SunPower Holdico, LLC SunPower Holdico, LLC SunPower Holdico, LLC SunPower Manufacturing Oregon, LLC SunPower Point America, LLC SunPower Point America, LLC SunPower Poilippines Limited - Regional Operating Headquarters SunPower Systems Mexico S. de R.L. de C.V.  | 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund C, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SPWR SS 1, LLC SPWR SS 1, LLC SPWR SUnStrong Holdings, LLC SSCA XLI Holding Company, LLC SURPOwer Bobat Solar, LLC SunPower Capital, LCC SunPower Capital, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Comporation SunPower Corporation SunPower Corporation SunPower Electrical of New York, LLC SunPower Electrical of New York, LLC SunPower Energy Systems Canada Corporation SunPower Energy Systems Canada Corporation SunPower Energy Systems Canada Corporation SunPower Holdings, LLC SunPower Holdico, LLC SunPower Holdico, LLC SunPower Holdico, LLC SunPower Philippines Limited - Regional Operating Headquarters SunPower Revolver Holdico I, LLC SunPower Revolver Holdico I, LLC   | 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 51,61% 61,61% 61,61% 51,61%  | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC Solarstorage Fund A, LLC Solarstorage Fund B, LLC Solarstorage Fund B, LLC Solarstorage Fund D, LLC Solarstorage Fund D, LLC Solarstorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SPWR SS 1, LLC SPWR SS 1, LLC SPWR SSUNStrong Holdings, LLC SSCA XLI Holding Company, LLC SunPower AssetCo, LLC SunPower AssetCo, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial FTB Construction, LLC SunPower Comporation SunPower Corporation SunPower Corporation, Systems SunPower Power, LLC SunPower Comporation Systems SunPower Energia SPA SunPower Energia SPA SunPower Energia SPA SunPower Hold Co, LLC SunPower Hold Co, LLC SunPower Hold Co, LLC SunPower North America, LLC SunPower North America, LLC SunPower Pold I, LLC SunPower Pilippines Limited - Regional Operating Headquarters SunPower Systems Mexico S. de R.L. de C.V. SunPower Systems Mexico S. de R.L. de C.V. SunSunStrong Capital Holdings, LLC SunSunStrong Capital Holdings, LLC SunSunStrong Capital Holdings, LLC SunStrong Capital Holdings, LLC  | 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS J, LLC SUNPOWER SOLAT SOLAT LLC SUNPOWER SOLAT SOLAT LLC SUNPOWER SOLAT SOLAT LLC SUNPOWER Capital FUNCES, LLC SUNPOWER Capital Services, LLC SUNPOWER Commercial Holding Company FTB SLB Parent, LLC SUNPOWER Commercial Holding Company FTB SLB, LLC SUNPOWER Commercial Holding Company FTB SLB, LLC SUNPOWER Comporation SUNPOWER Corporation SUNPOWER Corporation, Systems SUNPOWER DECT, LLC SUNPOWER Electrical of New York, LLC SUNPOWER Electrical of New York, LLC SUNPOWER Fleeting SPA SUNPOWER Fleeting SPA SUNPOWER Fleeting SPA SUNPOWER Fleeting SPA SUNPOWER HOLD, LLC SUNPOWER HOLD, LLC SUNPOWER HOLD, LLC SUNPOWER HOLD, LLC SUNPOWER NOTH America, LLC SUNPOWER NOTH America, LLC SUNPOWER Pollippines Limited - Regional Operating Headquarters SUNPOWER Revolver HoldCo I, LLC SUNPOWER Polital Holdings, LLC SUNSTONG Gapital Acquisition 3, LLC SUNSTONG Gapital Holdings, LLC SUNSTONG Gapital Holdings, LLC SUNSTONG Gapital Holdings, LLC SUNSTONG Gapital Holdings, LLC SUNSTONG Partners, LLC   | 51,61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC Solarstorage Fund A, LLC Solarstorage Fund A, LLC Solarstorage Fund C, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SURPower AssetCo, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC SunPower Capital, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Comporation SunPower Corporation SunPower Electrical of New York, LLC SunPower Electrical of New York, LLC SunPower Energy Systems Canada Corporation SunPower Fenergy Systems Canada Corporation SunPower Fenergy Systems Canada Corporation SunPower Holk I, LLC SunPower Holk I, LLC SunPower Holk I, LLC SunPower Morth America, LLC SunPower North America, LLC SunPower North America, LLC SunPower North America, LLC SunPower Revolver HoldCo I, LLC SunPower Revolver HoldCo I, LLC SunPower Revolver HoldCo I, LLC SunPower Systems Mexico S. de R.L. de C.V. SunPower Systems Mexico S. de R.L. de C.V. SunStrong Capital Holdings, LLC SunStrong Partners, LLC  | 51.61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC Solarstorage Fund A, LLC Solarstorage Fund B, LLC Solarstorage Fund B, LLC Solarstorage Fund C, LLC Solarstorage Fund D, LLC Solarstorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SPWR SSUNStrong Holdings, LLC SSCA XLI Holding Company, LLC SunPower Assetto, LLC SunPower Bobcat Solar, LLC SunPower Capital, LLC SunPower Capital, LLC SunPower Commercial FIB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Compenserial Holding Company FTB SLB, LLC SunPower Comporation SunPower Energia SPA SunPower Energia SPA SunPower Energia SPA SunPower Fengia SPA SunPower Feluity Holdings, LLC SunPower HoldCo, LLC SunPower HoldCo, LLC SunPower HoldCo, LLC SunPower North America, LLC SunPower North America, LLC SunPower North America, LLC SunPower Philippines Limited - Regional Operating Headquarters SunPower Revolver HoldCo I, LLC SunPower Systems Mexico S. de R. L. de C.V. SunPower Technologies Assetto Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Partners, LLC SunStrong Partners, LLC SunStrong Partners, LLC   | \$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%   | United States  | United States  |
| Solarstar Billerica I, LLC SolarStor Ma I, LLC SolarStorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund C, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SURPower AssetCo, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC SunPower Capital, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Comporation, Systems SunPower DevCo, LLC SunPower Corporation SunPower Electrical of New York, LLC SunPower Electrical of New York, LLC SunPower Energy Systems Canada Corporation SunPower Fenergy Systems Canada Corporation SunPower Fenergy Systems Canada Corporation SunPower Holk I, LLC SunPower Hold Co, LLC SunPower Month America, LLC SunPower North America, LLC SunPower North America, LLC SunPower North America, LLC SunPower North America, LLC SunPower Revolver Hold Co I Parent, LLC SunPower Revolver Hold Co I, LLC SunPower Revolver Hold Co I, LLC SunPower Revolver Hold Co I, LLC SunPower Systems Mexico S. de R.L. de C.V. SunPower Systems Mexico S. de R.L. de C.V. SunStrong Capital Holdings, LLC SunStrong Partners, LLC  | 51.61%   | United States  | United States  |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstorage Fund B, LLC Solarstorage Fund B, LLC Solarstorage Fund C, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS 1, LLC SPWR SS 1, LLC SPWR SUnstrong Holdings, LLC SSCA XLL Holding Company, LLC SURPower Assetto, LLC SunPower Assetto, LLC SunPower Capital, LLC SunPower Capital, LLC SunPower Capital, LLC SunPower Commercial FIB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Comparation, Systems SunPower Power Control Company FTB SLB, LLC SunPower Energia SPA SunPower Energy Systems Canada Corporation SunPower Energy Systems Canada Corporation SunPower Foundation SunPower Foundation SunPower HoldCo, LLC SunPower North America, LLC SunPower Revolver HoldCo I, LLC SunStrong Capital Holdings, LLC SunStrong Partners, LLC SunStrong Partners, LLC SunStrong Batteries Limited Temasol   | \$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%  | United States  | United States Un |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS J, LLC SPWR SS J, LLC SPWR SS J, LLC SPWR SS J, LLC SPWR SSUNStrong Holdings, LLC SSCA XLI Holding Company, LLC SunPower AssetCo, LLC SunPower AssetCo, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower DevCo, LLC SunPower DevCo, LLC SunPower Energia SPA SunPower Fellottical of New York, LLC SunPower Helk I, LLC SunPower Helk I, LLC SunPower HoldCo, LLC SunPower Manufacturing Oregon, LLC SunPower Manufacturing Oregon, LLC SunPower Poundation SunPower Hold I, LLC SunPower North America, LLC SunPower Poundation SunPower Hold I, LLC SunPower Revolver HoldCo I Parent, LLC SunPower Revolver HoldCo I Parent, LLC SunPower Revolver HoldCo I Parent, LLC SunPower Revolver HoldCo I, LLC SunPower Systems Mexico S. de R.L de C.V. SunPower Gapital Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Partners, LLC SunStrong Partners, LLC SunStrong Batteries Limited Temasol Tenesol SPV 1   | \$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61% | United States Un | United States Un |
| Solarstar Billerica I, LLC SolarStorage Fund B, LLC SolarStorage Fund B, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC South Hook LNG Terminal Company Limited Sprinaker Solar, S.L.U. SPWR SS 1, LLC SUMPOWER Bobat Solar, LLC SunPower Capital Services, LLC SunPower Capital Services, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Comporation, Systems SunPower DevCo, LLC SunPower Foundation SunPower Electrical of New York, LLC SunPower Energy Systems Canada Corporation SunPower Fenergy Systems Canada Corporation SunPower Fenergy Systems Canada Corporation SunPower Holk I, LLC SunPower Holk I, LLC SunPower Holk I, LLC SunPower Month America, LLC SunPower Month America, LLC SunPower North America, LLC SunPower Power HoldCo, LLC SunPower Power HoldCo I, LLC SunPower Revolver HoldCo I Parent, LLC SunPower Revolver HoldCo I, LLC SunStrong Capital Holdings, LLC SunStrong Partners, LLC SunS | 51.61%  | United States Un | United States Un |
| Solarstar Billerica I, LLC Solarstar Ma I, LLC Solarstar Ma I, LLC Solarstorage Fund A, LLC SolarStorage Fund A, LLC SolarStorage Fund B, LLC SolarStorage Fund C, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC SolarStorage Fund D, LLC South Hook LNG Terminal Company Limited Spinnaker Solar, S.L.U. SPWR SS J, LLC SPWR SS J, LLC SPWR SS J, LLC SPWR SSUNStrong Holdings, LLC SSCA XLI Holding Company, LLC SunPower AssetCo, LLC SunPower Gapital Services, LLC SunPower Gapital Services, LLC SunPower Commercial FTB Construction, LLC SunPower Commercial Holding Company FTB SLB Parent, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower Commercial Holding Company FTB SLB, LLC SunPower DevCo, LLC SunPower DevCo, LLC SunPower DevCo, LLC SunPower Energia SPA SunPower Fundation SunPower Helk I, LLC SunPower Hold Co, LLC SunPower Manufacturing Oregon, LLC SunPower Manufacturing Oregon, LLC SunPower Poundation SunPower Hold Co, LLC SunPower Poundation SunPower Hold Co, LLC SunPower Systems Mexico S. de R.L. de C.V. SunPower Revolver Hold Co I, LLC SunPower Revolver Hold Co I, LLC SunPower Systems Mexico S. de R.L. de C.V. SunPower Revolver Hold Co I, LC SunPower Systems Mexico S. de R.L. de C.V. SunPower Revolver Hold Co I, LC SunStrong Capital Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Capital Holdings, LLC SunStrong Partners, LLC SunStrong Capi | \$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61%<br>\$1,61% | United States Un | United States Un |
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| Total Direct Energie Belgium  Total Direct Energie - Centrale Electrique de Toul   | 100,00%<br>100,00%   | Belgium<br>France  | Belgium<br>France  |
|--|--|--|--|
| Total Direct Energie - Centrale Electrique de Toul  Total Direct Energie Generation  | 100,00%  | France<br>France   | France   |
| Total Direct Energie S.A.  | 100,00%  | France   | France   |
| Total Direct Energie Services  Total Direct Energies Centrale Electrique de Pont Sur Sambres   | 100,00%<br>100,00%   | Belgium<br>France  | Belgium<br>France  |
| Total E&P Angola Developpement Gaz   | 100,00%  | France   | Angola   |
| Total E&P Australia  | 100,00%  | France   | Australia  |
| Total E&P Australia Exploration PTY Limited Total E&P Australia II   | 100,00%<br>100,00%   | Australia<br>France  | Australia<br>Australia   |
| Total E&P Australia III  | 100,00%  | France   | Australia  |
| Total E&P Barnett USA, LLC Total E&P Holding Ichthys   | 100,00%<br>100,00%   | United States<br>France  | United States France   |
| Total E&P Holdings Australia PTY Limited   | 100,00%  | Australia  | Australia  |
| Total E&P Ichthys B.V.   | 100,00%  | Netherlands  | Australia  |
| Total E&P Indonesia Mentawai B.V. Total E&P Indonesie  | 100,00%<br>100,00%   | Netherlands<br>France  | Indonesia<br>Indonesia   |
| Total E&P Mauritius Holding Limited  | 100,00%  | Mauritius Island   | Mauritius Island   |
| Total E&P Mozambique Area 1, Limitada  | 100,00%  | Mozambique   | Mozambique   |
| Total E&P Oman Block 12 B.V. Total E&P Oman Dev. B.V   | 100,00%<br>100,00%   | Netherlands<br>Netherlands   | Oman<br>Oman   |
| Total E&P PNG 2 B.V.   | 100,00%  | Netherlands  | Papua New Guinea   |
| Total E&P PNG 5 B.V.   | 100,00%  | Netherlands  | Papua New Guinea   |
| Total E&P PNG Limited Total E&P Salmanov   | 100,00%<br>100,00%   | Papua New Guinea<br>France   | Papua New Guinea<br>France   |
| Total E&P Sebuku   | 100,00%  | France   | Indonesia  |
| Total E&P Singapore Pte. Ltd.  | 100,00%  | Singapore  | Singapore  |
| Total E&P Yamal Total Energia Italia S.R.L.  | 100,00%<br>100,00%   | France<br>Italy  | France<br>Italy  |
| Total Energie Gas GmbH   | 100,00%  | Germany  | Germany  |
| Total Energy Investments Tianjin   | 100,00%  | China  | China  |
| Total Energy Services Total Energy Ventures Emerging Markets   | 100,00%<br>100,00%   | France<br>France   | France<br>France   |
| Total Eren (c)   | 29,60% E   | France   | France   |
| Total Eren Holding   | 33,86% E   | France   | France   |
| Total Gas & Power Actifs Industriels Total Gas & Power Asia Private Limited  | 100,00%<br>100,00%   | France<br>Singapore  | France<br>Singapore  |
| Total Gas & Power Brazil   | 100,00%  | France   | France   |
| Total Gas & Power Chartering Limited   | 100,00%  | United Kingdom   | United Kingdom   |
| Total Gas & Power Infrastructure Limited Total Gas & Power Limited   | 100,00%<br>100,00%   | United Kingdom United Kingdom  | United Kingdom United Kingdom  |
| Total Gas & Power Limited  Total Gas & Power North America Inc.  | 100,00%  | United States  | United States  |
| Total Gas & Power Services Limited   | 100,00%  | United Kingdom   | United Kingdom   |
| Total Gas and Power Limited, London, Meyrin - Geneva Branch Total Gas Pipeline USA Inc.  | 100,00%<br>100,00%   | Switzerland<br>United States   | Switzerland United States  |
| Total Gas Y Electricidad Argentina S.A.  | 100,00%  | Argentina  | Argentina  |
| Total Gasandes   | 100,00%  | France   | France   |
| Total Gaz Electricite Holdings France Total GLNG Australia   | 100,00%<br>100,00%   | France<br>France   | France<br>Australia  |
| Total GLNG Australia Total GLNG Australia Holdings   | 100,00%  | France   | Australia  |
| Total Investment Management Tianjin  | 100,00%  | China  | China  |
| Total LNG Angola Total Midstream Holdings UK Limited   | 100,00%<br>100,00%   | France United Kingdom  | France United Kingdom  |
| Total Nature Based Solutions   | 100,00%  | France   | France   |
| Total New Energies Limited   | 100,00%  | United Kingdom   | United Kingdom   |
| Total New Energies Ventures USA, Inc. Total Offshore Wind Korea  | 100,00%<br>100,00%   | United States<br>France  | United States France   |
| Total Quadran  |  | France   |  |
|  | 100,00%  | rialice  | France   |
| Total Quadran Caraibes   | 100,00%  | France   | France   |
| Total Quadran Caraibes<br>Total Qadran DK Aps  | 100,00%<br>100,00%   | France<br>Denmark  | France<br>Denmark  |
| Total Quadran Caraibes   | 100,00%  | France   | France   |
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| Total Quadran Caraibes Total Quadran Nogara Total Quadran Nogara Total Quadran Pacific Total Renewables Total Renewables Total Renewables Total Solar Assets FZE Total Solar Assets FZE Total Solar International Total Solar Singapore Pte Ltd Total Solar Thailand) Co., ttd. Total Solar Singapore Pte Ltd Total Solar Singapore Pte Ltd Total Solar Thailand) Co., ttd. Total Solar International, LtC Total Solar Nogara Total Tractebel Emirates O & M Company Total Tractebel Emirates Power Company Total USA International, LtC Total Yemen LNG Company Limited TQN Hydro TQN Solar TQN Solar Nogara TQN Solar Nogara TQN Solar Nogara TQN Solar Nogara TQN Wind Transportadora de Gas del Mercosur S.A. Trofeo Solar, S.L.U. TSGF SpA Tugboat Commercial Pledgor, LtC Ultralight 1 Class B Member, LtC Ultralight 2 Class B Member, LtC Ultralight 2 Mezzanine Borrower, LtC Ultralight 2 Mezzanine Borrower, LtC Ultralight 2 Mezzanine Borrower, LtC Ultralight 2 SolarBloom, LtC Ultralight 2 SolarBloom, LtC Ultralight 2 SolarBloom Pledgor, LtC Valorene Vega Solar 1 S.A.P.I. de C.V. Vega Solar 2 Centrale D'Energie Renouvelables Vents D'Oc Energies Renouvelables   | 100,00% 100,00% 50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E 51,61%  | France Demmark France France France France United States United States United States United States United States France France Chile Singapore Thailand United States Chile France France United States United States Demmuda France France France United States Demmuda France France France France France France United States France France Mexico Mexico France France France France France France France France   | France Denmark France France France France United States United Arab Emirates Spain France France France France Chile Singapore Thailand United States United Arab Emirates United States Bermuda France France France France France United States France  |
| Total Quadran Caraibes Total Quadran Nogara Total Quadran Nogara Total Quadran Nogara Total Quadran Pacific Total Renewables Total Renewables Total Renewables Total Solar Assets FZE Total Solar Assets FZE Total Solar International Total Solar Singapore Pte Ltd Total Solar Dewer Energia S.A. Total Tengab Total Tractebel Emirates O & M Company Total Tractebel Emirates Power Company Total USA International, LtC Total Yemen LNG Company Limited TON Hydro TON Solar TON Solar TON Solar TON Solar TON Solar TON Solar Nogara TON Wind Transportadora de Gas del Mercosur S.A. Trofeo Solar, S.L.U. TSGF SpA Tugboat Commercial Pledgor, LtC Tutralight 2 Class B Member, LtC Ultralight 2 Mezzanine Borrower, LtC Ultralight 2 Mezzanine Borrower, LtC Ultralight 2 Mezzanine Pledgor, LtC Ultralight 2 SolarBloom LtC Ultralight 2 SolarBloom Pledgor, LtC Valorene Vega Solar 1 S.A.P.I. de C.V. Vega Solar 2 S.A.P.I. de C.V. Vega Solar 2 S.A.P.I. de C.V. Vega Solar 2 S.A.P.I. de C.V. Vesa Solar 2 S.A.P.I. de C.V. Vests D'OC Centrale D'Energie Renouvelable 17 Vents D'OC Centrale D'Energie Renouvelable 18   | 100,00% 100,00% \$50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% \$50,00% E \$51,61% \$100,00% 100,00% \$50,00% E \$50                       | France Demmark France France France France United States United Arab Emirates Spain France Chile Singapore Thailand United States Chile France France France France France France France France United States France Mexico France   | France Demmrk France France France France United States United Arab Emirates Spain France Chile Singapore Thailand United States United Arab Emirates United States United Arab Emirates United States United Arab Emirates United Arab Emirates United Arab Emirates United Arab Emirates United States Ghile Indonesia United States France Mexico France  |
| Total Quadran Caraibes Total Quadran Nogara Total Quadran Nogara Total Quadran Pacific Total Renewables Total Renewables Total Renewables Total Solar Assets FZE Total Solar Assets FZE Total Solar International Total Solar Singapore Pte Ltd Total Solar Thaliand) Co., ttd. Total Solar Thaliand) Co., ttd. Total Solar International, LtC Total Sun Power Energia S.A. Total Tractebel Emirates O & M Company Total Tractebel Emirates O & M Company Total Tractebel Emirates Power Company Total USA International, LtC Total Yemen LNG Company Limited TQN Hydro TQN Solar TQN Solar Nogara TQN Unit Solar Nogara TQN Solar Nogara TQN Unit Solar Nogara TQN  | 100,00% 100,00% 50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E 51,61% 51,60%   | France Demmark France France France France United States United Arab Emirates Spain France France France France Chile Singapore Thailand United States Chile France France France France France France France France United States Bermuda France France France United States France France France France France | France Denmark France France France France United States United Arab Emirates Spain France France France Chile Singapore Thailand United States United Arab Emirates United States Bermuda France France France France United States France France France France France France                             |
| Total Quadran Caraibes Total Quadran No K Aps Total Quadran Nogara Total Quadran Nogara Total Quadran Nogara Total Quadran Pacific Total Renewables Total Solar Assets FZE Total Solar Assets FZE Total Solar International Total Solar International Total Solar International Total Solar International Total Solar Singapore Pte Ltd Total Solar Thatiandy Co., ttd. Total Strong, LtC Total Strong, LtC Total Strong, LtC Total Strong LtC Total Strong LtC Total Strong LtC Total Strong LtC Total Tractebel Emirates Power Company Total Tractebel Emirates Power Company Total USA International, LtC Total Yemen LNG Company Limited TQN Hydro TQN Solar TQN Solar TQN Solar TQN Solar Nogara TQN Wind Transportadora de Gas del Mercosur S.A. Trofeo Solar, S.L.U. TSGF SpA Tugboat Commercial Pledgor, LtC TW2 Tugboat Commercial Pledgor, LtC Ultralight 2 Mezzanine Borower, LtC Ultralight 2 Mezzanine Borower, LtC Ultralight 2 Mezzanine Borower, LtC Ultralight 2 Rezanine Borower, LtC Ultralight 2 SolarBloom Pledgor, LtC Valorene Vega Solar 1 S.A.P.I. de C.V. Vega Solar 1 S.A.P.I. de C.V. Vega Solar 2 S.A.P.I. de C.V. Vents D'Oc Energies Renouvelables Ventigo Watt Prox Wintergy   | 100,00% 100,00% \$50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% \$50,00% E \$51,61% 100,00% 100,00% \$50,00% E \$50,61% E \$51,61% E \$51,                        | France Demmark France France France France United States United Arab Emirates Spain France France France France France Thailand United States Chile Singapore Thailand United States Chile France France France France France France France United States Bermuda France United States France   | France Denmark France France France France United States United Arab Emirates United Arab Emirates Bermuda France France France France France United States France  |
| Total Quadran K Aps Total Quadran Nogara Total Quadran Nogara Total Quadran Nogara Total Quadran Nogara Total Quadran Pacific Total Renewables Total Renewables Total Solar Assets FZE Total Solar International Total Solar Singapore Pte Ltd Total Solar Nonewer Energia S.A. Total Tractebel Emirates O & M Company Total Tractebel Emirates O & M Company Total Tractebel Emirates Power Company Total USA International, LtC Total Wennen LNG Company Limited TQN Hydro TQN Solar TQN Solar Nogara TQN Solar Solar Solar LtC Ultralight 1 Solar Nogara LtC Ultralight 2 Class B Member, LtC Ultralight 2 Mezzanine Borrower, LtC Ultralight 2 Mezzanine Borrower, LtC Ultralight 2 Mezzanine Borrower, LtC Ultralight 2 Solar Bloom, LtC Ultralight 2 Solar Solar LtC Vega Solar 1 S.A.P.I. de C.V. Vega Solar 2 S.A.P | 100,00% 100,00% 50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E 51,61% 51,60%   | France Demmark France France France France United States United States United States United States France France France Chile Singapore Thailand United States Chile France France Chile France France France Chile France France United States Demmuda France France United States Bermuda France France France France France United States France  | France Denmark France France France France United States United Arab Emirates Spain France France France Chile Singapore Thaliand United States United Arab Emirates United States Bermuda France France France France United States France  |
| Total Quadran Caraibes Total Quadran Nogara Total Quadran Nogara Total Quadran Nogara Total Quadran Pacific Total Renewables Total Renewables Total Solar International Total Strong, LLC Total SunPower Energia S.A. Total Total Tractebel Emirates O & M Company Total Tractebel Emirates Power Company Total Tractebel Emirates Power Company Total USA International, LLC Total Yemen LNG Company Limited TON Hydro TON Solar TON Solar Nogara TON Wind Transportadora de Gas del Mercosur S.A. Trofeo Solar, S.I.U. TSGF SPA Tugboat, LLC Ultralight 2 Solar Solar, LLC Ultralight 2 Holdco, LLC Ultralight 2 Mezzanine Borrower, LLC Ultralight 2 Mezzanine Borrower, LLC Ultralight 2 Solar Bloom, LLC Ultralight 2 Solar Bloom LLC Ultralight 2 Solar Bloom LLC Ultralight 2 Solar Bloom LLC Ultralight 2 Solar Solar, LL Ultralight 2 Solar Solar LL Vents D'Oc Centrale D'Energie Renouvelable 17 Vents D'Oc Centrale D'Energie Renouvelable 18 Vertigo Watt Prox Winergy WP France 21   | 100,00% 100,00% 50,00% E 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E 51,61% 100,00% 100,00% 100,00% 100,00% 50,00% E 51,61%  | France Demmark France France France France United States United Arab Emirates Spain France Chile Singapore Thailand United States Chile France France France France France France France France United States United States Bermuda France France France France United States Bermuda France United States United States United States United States United States United States France  | France Demmrk France France France France France United States United Arab Emirates Spain France France Chile Singapore Thailand United States United Arab Emirates United States Chile Indonesia United Arab Emirates United Arab Emirates United States France Mexico Mexico France   |

|                      | Zeeland Solar B.V.   | 100,00%   | Mathadanda  | Noth orlands  |
|----------------------|--|---|---|---|
| Refining & Chemicals | Appryl S.N.C   | 50,00%  | Netherlands<br>France   | Netherlands<br>France   |
| •                    | Atlantic Trading and Marketing Financial Inc.  | 100,00%   | United States   | United States   |
|                      | Atlantic Trading and Marketing Inc.  | 100,00%   | United States   | United States   |
|                      | Balzatex S.A.S. Barry Controls Aerospace S.N.C.  | 100,00%<br>100,00%  | France<br>France  | France<br>France  |
|                      | BASF Total Petrochemicals LLC  | 40,00%  | United States   | United States   |
|                      | Bay Junction Inc.  | 100,00%   | United States   | United States   |
|                      | Bayport Polymers LLC Borrachas Portalegre Ltda   | 50,00% E<br>100,00%   | United States Portugal  | United States Portugal  |
|                      | BOU Verwaltungs GmbH   | 100,00%   | Germany   | Germany   |
|                      | Buckeye Products Pileline LP   | 14,66% E  | United States   | United States   |
|                      | Catelsa-Caceres S.A.U. Cie Tunisienne du Caoutchouc S.A.R.L.   | 100,00%<br>100,00%  | Spain<br>Tunisia  | Spain<br>Tunisia  |
|                      | Composite Industrie Maroc S.A.R.L.   | 100,00%   | Morocco   | Morocco   |
|                      | Composite Industrie S.A.   | 100,00%   | France  | France  |
|                      | Cosden, LLC COS-MAR Company  | 100,00%<br>50,00%   | United States United States   | United States United States   |
|                      | Cray Valley (Guangzhou) Chemical Company, Limited  | 100,00%   | China   | China   |
|                      | Cray Valley Czech  | 100,00%   | Czech Republic  | Czech Republic  |
|                      | Cray Valley HSC Asia Limited Cray Valley Italia S.R.L.   | 100,00%<br>100,00%  | China<br>Italy  | Hong Kong<br>Italy  |
|                      | Cray Valley S.A.   | 100,00%   | France  | France  |
|                      | CSSA - Chartering and Shipping Services S.A.   | 100,00%   | Switzerland   | Switzerland   |
|                      | Espa S.A.R.L. Ethylene Est   | 100,00%<br>99,98%   | France<br>France  | France<br>France  |
|                      | Feluy Immobati   | 100,00%   | Belgium   | Belgium   |
|                      | Fina Pipeline Co   | 100,00%   | United States   | United States   |
|                      | FINA Technology, Inc.  | 100,00%   | United States   | United States   |
|                      | Gasket (Suzhou) Valve Components Company, Limited Gasket International S.R.L.  | 100,00%<br>100,00%  | China<br>Italy  | China<br>Italy  |
|                      | Grande Paroisse S.A.   | 100,00%   | France  | France  |
|                      | Gulf Coast Pipeline LP   | 14,66% E  | United States   | United States   |
|                      | Hanwha Total Petrochemical Co. Limited  HBA Hutchinson Brasil Automotive Ltda  | 50,00% E<br>100,00%   | South Korea<br>Brazil   | South Korea<br>Brazil   |
|                      | Hutchinson (UK) Limited  | 100,00%   | United Kingdom  | United Kingdom  |
|                      | Hutchinson (Wuhan) Automotive Rubber Products Company Limited  | 100,00%   | China   | China   |
|                      | Hutchinson Aeronautique & Industrie Limited  | 100,00%<br>100,00%  | Canada  | Canada<br>France  |
|                      | Hutchinson Aeroservices S.A.S. Hutchinson Aerospace & Industry Inc.  | 100,00%   | France<br>United States   | France United States  |
|                      | Hutchinson Aerospace GmbH  | 100,00%   | Germany   | Germany   |
|                      | Hutchinson Aftermarket USA Inc.  | 100,00%   | United States   | United States   |
|                      | Hutchinson Antivibration Systems Inc. Hutchinson Automotive Systems Company, Limited   | 100,00%<br>100,00%  | United States<br>China  | United States China   |
|                      | Hutchinson Autopartes Mexico S.A. de C.V.  | 100,00%   | Mexico  | Mexico  |
|                      | Hutchinson Borrachas de Portugal Ltda  | 100,00%   | Portugal  | Portugal  |
|                      | Hutchinson Corporation Hutchinson d.o.o Ruma   | 100,00%<br>100,00%  | United States<br>Serbia   | United States<br>Serbia   |
|                      | Hutchinson Do Brasil S.A.  | 100,00%   | Brazil  | Brazil  |
|                      | Hutchinson Fluid Management Systems Inc.   | 100,00%   | United States   | United States   |
|                      | Hutchinson GmbH  | 100,00%<br>100,00%  | Germany<br>Germany  | Germany   |
|                      | Hutchinson Holding GmbH<br>Hutchinson Holdings UK Limited  | 100,00%   | United Kingdom  | Germany United Kingdom  |
|                      | Hutchinson Iberia S.A.   | 100,00%   | Spain   | Spain   |
|                      | Hutchinson Industrial Rubber Products (Suzhou) Company, Limited Hutchinson Industrias Del Caucho SAU   | 100,00%<br>100,00%  | China<br>Spain  | China<br>Spain  |
|                      | Hutchinson Industries Inc.   | 100,00%   | United States   | United States   |
|                      | Hutchinson Japan Company Limited   | 100,00%   | Japan   | Japan   |
|                      |  | 100,00%   | South Korea   | South Korea   |
|                      | Hutchinson Korea Limited   |   |   |   |
|                      | Hutchinson Korea Limited Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP 20.0.   | 100,00%<br>100,00%  | Morocco<br>Poland   | Morocco<br>Poland   |
|                      | Hutchinson Maroc S.A.R.L. AU   | 100,00%<br>100,00%<br>100,00%   |   | Poland<br>France  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto  | 100,00%<br>100,00%<br>100,00%<br>100,00%  | Poland<br>France<br>Portugal  | Poland<br>France<br>Portugal  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Porto Hutchinson Precision Sealing Systems Inc.   | 100,00%<br>100,00%<br>100,00%   | Poland<br>France<br>Portugal<br>United States   | Poland<br>France<br>Portugal<br>United States   |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   | Poland<br>France<br>Portugal  | Poland<br>France<br>Portugal  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Porto Hutchinson Precision Sealing Systems Inc. Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Rubber Products Private Limited Inde Hutchinson S.A.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Poland France Portugal United States Singapore India France   | Poland France Portugal United States Singa pore India France  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Precision Sealing Systems Inc. Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson S.A. Hutchinson S.A.  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   | Poland France Portugal United States Singapore India France France  | Poland France Portugal United States Singapore India France France  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Porcision Sealing Systems Inc. Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Rubber Products Private Limited Inde Hutchinson S.A. Hutchinson S.A. Hutchinson S.R.L. (Italie) Hutchinson S.R.L. (Roumanie)  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   | Poland France Portugal United States Singapore India France France Italy Romania  | Poland France Portugal United States Singapore India France France Italy Romania  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Precision Sealing Systems Inc. Hutchinson Research & Innovation Singapore PTE, Limited Hutchinson Rubber Products Private Limited Inde Hutchinson S.A. Hutchinson S.N.C. Hutchinson S.N.C. Hutchinson S.R.L. (Italie) Hutchinson S.R.L. (Roumanie) Hutchinson S.R.E. (Roumanie)   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Poland France Portugal United States Singapore India France France Italy Romania United States  | Poland France Portugal United States Singapore India France France Italy Romania United States  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Porto Hutchinson Perecision Sealing Systems Inc. Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Rubber Products Private Limited Inde Hutchinson S.A.C. Hutchinson S.R.L. (Italie) Hutchinson S.R.L. (Italie) Hutchinson S.R.L. (Roumanie) Hutchinson Sales Corporation Hutchinson Seal De Mexico S.A. de CV.  | 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00%   | Poland France Portugal United States Singapore India France France Italy Romania United States  | Poland France Portugal United States Singapore India France France Italy Romania United States  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Precision Sealing Systems Inc. Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Rubber Products Private Limited Inde Hutchinson S.N.C. Hutchinson S.N.C. Hutchinson S.R.L. (Italie) Hutchinson S.R.L. (Roumanie) Hutchinson Sales Corporation Hutchinson Sales Corporation Hutchinson Sealing Systems Inc. Hutchinson Sealing Systems Inc.  | 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00%   | Poland France Portugal United States Singapore India France France Italy Romania United States  | Poland France Portugal United States Singapore India France France Italy Romania United States  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Precision Sealing Systems Inc. Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Rubber Products Private Limited Inde Hutchinson S.A. Hutchinson S.A. Hutchinson S.N.C. Hutchinson S.R.L. (Italie) Hutchinson S.R.E. (Roumanie) Hutchinson Sales Corporation Hutchinson Seal De Mexico S.A. de CV. Hutchinson Seal De Mexico S.A. de CV. Hutchinson SRO— Hutch | 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00%   | Poland France Portugal United States Singapore India France France Italy Romania United States Mexico United States Czech Republic Germany  | Poland France Portugal United States Singapore India France France Italy Romania United States Mexico United States   |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Porto Hutchinson Precision Sealing Systems Inc. Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Rubber Products Private Limited Inde Hutchinson S.A.D. Hutchinson S.N.C. Hutchinson S.R.L. (Italie) Hutchinson S.R.L. (Roumanie) Hutchinson Sales Corporation Hutchinson Seal De Mexico S.A. de CV. Hutchinson Sealing Systems Inc. Hutchinson SRO Hutchinson Stop- Choc GmbH & CO. KG Hutchinson Subsee S.A.  | 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00%   | Poland France Portugal United States Singapore India France France Italy Romania United States Mexico United States Czech Republic Germany Switzerland  | Poland France Portugal United States Singapore India France France Italy Romania United States United States Grance United States Mexico United States Grance United States Mexico United States Grancy Grancy Switzerland  |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Precision Sealing Systems Inc. Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Rubber Products Private Limited Inde Hutchinson S.A. Hutchinson S.A. Hutchinson S.N.C. Hutchinson S.R.L. (Italie) Hutchinson S.R.E. (Roumanie) Hutchinson Sales Corporation Hutchinson Seal De Mexico S.A. de CV. Hutchinson Seal De Mexico S.A. de CV. Hutchinson SRO— Hutch | 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00%   | Poland France Portugal United States Singapore India France France Italy Romania United States Mexico United States Czech Republic Germany  | Poland France Portugal United States Singapore India France France Italy Romania United States Mexico United States   |
|                      | Hutchinson Maroc S.A.R.L. AU Hutchinson Poland SP ZO.O. Hutchinson Polymers S.N.C. Hutchinson Porto Hutchinson Porto Hutchinson Porto Hutchinson Research & Innovation Singapore PTE. Limited Hutchinson Rubber Products Private Limited Inde Hutchinson S.A. Hutchinson S.A. Hutchinson S.R.L. (Italie) Hutchinson S.R.L. (Roumanie) Hutchinson S.R.L. (Roumanie) Hutchinson Seal De Mexico S.A. de CV. Hutchinson Sealing Systems Inc. Hutchinson Sealon Sealing Systems Inc. Hutchinson Stop Choc GmbH & CO. KG Hutchinson Stop Solon Sustaina Sust | 100,00%   | Poland France Portugal United States Singapore India France France Italy Romania United States Mexico United States Czech Republic Germany Switzerland Mexico Tunisia Vietnam   | Poland France Portugal United States Singapore India France France Italy Romania United States Mexico United States Czech Republic Germany Switzerland Mexico Tunisia Vietnam   |
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| Qatofin Company Limited   | 49,09%  | E                | Qatar  | Qatar   |
|---|---|------------------|--|---|
| Resilium  | 100,00%   |                  | Belgium  | Belgium   |
| Retia   | 100,00%   |                  | France   | France  |
| Retia USA LLC   | 100,00%   |                  | United States  | United States   |
| San Jacinto Rail Limited  | 17,00%  | E                | United States  | United States   |
| Saudi Aramco Total Refining & Petrochemical Company   | 37,50%  | E                | Saoudia Arabia   | Saoudia Arabia  |
| SigmaKalon Group B.V.   | 100,00%   |                  | Netherlands<br>-   | Netherlands   |
| Societe Bearnaise De Gestion Industrielle Societe du Pipeline Sud-Europeen  | 100,00%<br>35,14%   |                  | France<br>France   | France<br>France  |
| SPA Sonatrach Total Entreprise de Polymères   | 49,00%  |                  | Algeria  | Algeria   |
| Stillman Seal Corporation   | 100,00%   |                  | United States  | United States   |
| Stop-Choc (UK) Limited  | 100,00%   |                  | United Kingdom   | United Kingdom  |
| Synova  | 100,00%   |                  | France   | France  |
| Techlam S.A.S.  | 100,00%   |                  | France   | France  |
| Thermal Control Systems Automotive Sasu   | 60,00%  |                  | France   | France  |
| Total Activites Maritimes   | 100,00%   |                  | France   | France  |
| Total Atlantic Trading Mexico SA De CV  | 100,00%   |                  | Mexico   | Mexico  |
| Total Corbion PLA B.V.  | 50,00%  | E                | Netherlands  | Netherlands   |
| Total Country Services Belgium  | 100,00%   |                  | Belgium  | Belgium   |
| Total Deutschland GmbH (e) Total Downstream UK PLC  | 100,00%<br>100,00%  |                  | Germany<br>United Kingdom  | Germany<br>United Kingdom   |
| Total Energy Marketing A/S  | 100,00%   |                  | Denmark Denmark  | Denmark   |
| Total European Trading  | 100,00%   |                  | France   | France  |
| Total Laffan Refinery   | 100,00%   |                  | France   | France  |
| Total Laffan Refinery II B.V.   | 100,00%   |                  | Netherlands  | Netherlands   |
| Total Lindsey Oil Refinery Limited  | 100,00%   |                  | United Kingdom   | United Kingdom  |
| Total New Energies USA, Inc.  | 100,00%   |                  | United States  | United States   |
| Total Olefins Antwerp   | 100,00%   |                  | Belgium  | Belgium   |
| Total Opslag En Pijpleiding Nederland NV  | 55,00%  |                  | Netherlands  | Netherlands   |
| Total PAR LLC   | 100,00%   |                  | United States  | United States   |
| Total Petrochemicals (Hong Kong) Limited  | 100,00%   |                  | Hong Kong  | Hong Kong   |
| Total Petrochemicals (Shangai) Limited  | 100,00%   |                  | China  | China   |
| Total Petrochemicals Development Feluy  Total Petrochemicals Ecaussinnes  | 100,00%<br>100,00%  |                  | Belgium<br>Belgium   | Belgium   |
| Total Petrochemicals Ecaussinnes Total Petrochemicals Feluy   | 100,00%   |                  | Belgium<br>Belgium   | Belgium<br>Belgium  |
| Total Petrochemicals France   | 100,00%   |                  | France   | France  |
| Total Petrochemicals France  Total Petrochemicals Iberica   | 100,00%   |                  | Spain  | Spain   |
| Total Petrochemicals Pipeline USA Inc.  | 100,00%   |                  | United States  | United States   |
| Total Petrochemicals UK Limited   | 100,00%   |                  | United Kingdom   | United Kingdom  |
| Total Polymers Antwerp  | 100,00%   |                  | Belgium  | Belgium   |
| Total Raffinaderij Antwerpen N.V.   | 100,00%   |                  | Belgium  | Belgium   |
| Total Raffinage France  | 100,00%   |                  | France   | France  |
| Total Raffinerie Mitteldeutschland GmbH   | 100,00%   |                  | Germany  | Germany   |
| Total Refining & Chemicals  | 100,00%   |                  | France   | France  |
| Total Refining & Chemicals Saudi Arabia S.A.S.  | 100,00%   |                  | France   | France  |
| Total Research & Technology Feluy   | 100,00%   |                  | Belgium  | Belgium   |
| Total Splitter USA Inc  | 100,00%   |                  | United States  | United States   |
| Total Trading and Marketing Canada LP  Total Trading Asia Pte Limited   | 100,00%<br>100,00%  |                  | Canada   | Canada  |
| Total Trading Asia Pte Limited Total Trading Canada Limited   | 100,00%   |                  | Singapore<br>Canada  | Singapore<br>Canada   |
| Total Trading Canada Limited  Total Trading Products S.A.   | 100,00%   |                  | Switzerland  | Switzerland   |
| TOTSA Total Oil Trading S.A.  | 100,00%   |                  | Switzerland  | Switzerland   |
| Totseanergy   | 49,00%  | F                | Belgium  | Belgium   |
| Transalpes S.N.C.   | 67,00%  |                  | France   | France  |
| Trans-Ethylene  | 99,98%  |                  | France   | France  |
| Tssa Total Storage & Services S.A.  | 100,00%   |                  | Switzerland  | Switzerland   |
| Vibrachoc S.A.U.  | 100,00%   |                  | Spain  | Spain   |
| Zeeland Refinery NV   | 55,00%  |                  | Netherlands  | Netherlands   |
| Air Total (Suisse) S.A.   | 100,00%   |                  | Switzerland  | Switzerland   |
| Air Total International S.A.  | 100,00%   |                  | France   | France  |
| Alvea   | 100,00%   |                  | France   | France  |
| Antilles Gaz  | 100,00%   |                  | France   | France  |
| Argedis   | 100,00%<br>51,00%   |                  | France   | France  |
| Aristea<br>Arteco   | 49,99%  | t<br>r           | Belgium<br>Belgium   | Belgium<br>Belgium  |
| AS 24   | 100,00%   |                  | France   | France  |
| AS24 Belgie N.V.  | 100,00%   |                  | Belgium  | Belgium   |
| AS24 Espanola S.A.  | 100,00%   |                  | Spain  | Spain   |
| AS24 Fuel Cards Limited   | 100,00%   |                  | United Kingdom   | United Kingdom  |
| AS24 Lithuanie  | 100,00%   |                  | Lithunia   | Lithunia  |
| AS24 Polska SP ZO.O.  | 100,00%   |                  | Poland   | Poland  |
| AS24 Tankservice GmbH   | 100,00%   |                  | Germany  | Germany   |
| Charvet La Mure Bianco  | 100,00%   |                  | France   | France  |
| Clean Energy  | 25,63%  | E                | United States  | United States   |
| Compagnie Petroliere de l'Ouest - CPO   | 100,00%   |                  | France   | France  |
| Cristal Marketing Egypt   | 84,62%  |                  | Egypt  | Egypt   |
|   | 400.00-1  |                  | Eranco   | France  |
| Total Proxi Energies Nord Est   | 100,00%   |                  | France<br>United Kingdom   | United Kingdom  |
| Total Proxi Energies Nord Est<br>Elf Oil UK Aviation Limited  | 100,00%   |                  | United Kingdom   | United Kingdom<br>United Kingdom  |
| Total Proxi Energies Nord Est<br>Elf Oil UK Aviation Limited<br>Elf Oil UK Properties Limited   | 100,00%<br>100,00%  |                  | United Kingdom<br>United Kingdom   | United Kingdom  |
| Total Proxi Energies Nord Est<br>Elf Oil UK Aviation Limited  | 100,00%   |                  | United Kingdom   |   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr  | 100,00%<br>100,00%<br>100,00%   |                  | United Kingdom<br>United Kingdom<br>France   | United Kingdom<br>France  |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>77,00%   |                  | United Kingdom<br>United Kingdom<br>France<br>Kenya  | United Kingdom<br>France<br>Kenya   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Floulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guif Africa Petroleum Corporation   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>77,00%<br>100,00%  |                  | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island   | United Kingdom<br>France<br>Kenya<br>Tanzania   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guif Africa Petroleum Corporation Lubricants Vietnam Holding Limited  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>77,00%<br>100,00%  |                  | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong   | United Kingdom<br>France<br>Kenya<br>Tanzania<br>China<br>Mauritius Island<br>Hong Kong   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>77,00%<br>100,00%<br>100,00%<br>18,22%   | E                | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa  | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa  |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guif Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>18,22%<br>100,00%  | E                | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France   | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Gulanf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>118,22%<br>100,00%   | E                | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain   | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>51,00%   | E                | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia  | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia  |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guff Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V.   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | E                | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Seoudia Arabia Netherlands  | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands  |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guangzhou Elf Lubricants Company Limited Guif Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>51,00%<br>100,00%<br>98,98%   | E                | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France   | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guangzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers   | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>51,00%<br>100,00%<br>100,00%  | E                | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France   | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France  |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimita Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Urbaine des Petroles  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | E                | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Netherlands France France France France   | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France France   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guif Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTV) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Unian des Petroles S-Oil Total Lubricants Company Limited  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%   | E<br>E           | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France France South Korea   | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France France South Korea   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimitica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahorise de stockage de produits petroliers Societe Urbaine des Petroles  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | E<br>E           | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Netherlands France France France France   | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France  |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gapco Tanzania Limited Gunagzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Urbaine des Petroles Societe Urbaine des Petroles Societe Urbaine des Petroles Societe Des Private Limited South Asia LPG Private Limited  | 100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>51,00%<br>50,00%<br>50,00%  | E E E E          | United Kingdom United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France France South Korea India  | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France France South Korea   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe urbaine des stockage de produits petroliers Societe Urbaine des Petroles -Oil Total Lubricants Company Limited South Asia LPG Private Limited Stedis Tas'Helat Marketing Company  | 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% 100,00%  | E E E E E        | United Kingdom United Kingdom United Kingdom France Kenya Tanzania China Mauritus Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France France France France Irance France   | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France France South Korea India France France   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Guangzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Urbaine des Petroles Societe Urbaine des Petroles Societe Moraise des Nockage de produits petroliers Societe Urbaine des Petroles Societe Urbaine des Petroles Societe Moraise des Nockage de produits petroliers Societe Urbaine des Petroles Societe Urbaine des Petroles Total (Africa) Limited Stedis Tas'Helat Marketing Company Total (Africa) Limited Total (Africa) Limited  | 100,00%   | E                | United Kingdom United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France South Korea India France South Korea India France Saoudia Arabia United Kingdom Fiji Islands  | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France France France South Korea India France South Korea United Kingdom Fiji Islands   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Urbaine des Petroles S-Oil Total Lubricants Company Limited South Asia LPG Private Limited Stedis Tas'Helat Marketing Company Total (Africa) Limited Total (Fiji) Limited Total Additifs et Carburants Speciaux   | 100,00%   | E<br>E<br>E      | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France South Korea India United Kingdom Fili Islands France  | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Gunagrhou Elf Lubricants Company Limited Gungrhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTV) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Unaine des Petroles S-Oil Total Lubricants Company Limited South Asia LPG Private Limited Stedis Tas'Helat Marketing Company Total (Africa) Limited Total (Fiji) Limited Total Additis et Carburants Speciaux Total Africa S.A.   | 100,00%   | E<br>E<br>E<br>E | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France South Korea India France South Korea India France   | United Kingdom France Kenya Tanzania China Maurituis Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France India France France South Korea India United Kingdom Fiji Islands France   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzana Limited Guangzhou Elf Lubricants Company Limited Guangzhou Elf Lubricants Company Limited Guff Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Urbaine des Petroles S-Oil Total Lubricants Company Limited Stedis Tas 'Helat Marketing Company Total (Africa) Limited Total (Fiji) Limited Total Additifs et Carburants Speciaux   | 100,00%   | E E E E          | United Kingdom United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France India France India France Saoudia Arabia United Kingdom Fiji Islands France France France Spain Saoudia France India France Spain Sp | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France South Korea India France Saoudia Arabia United Kingdom Fiji Islands France France France Saoudia Arabia United Kingdom Fji Islands France France France France Saoudia France Saoudia France Saoudia France France France France France France France France France  |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Urbaine des Petroles S-Oil Total Lubricants Company Limited South Asia LPG Private Limited Stedis Tas'Helat Marketing Company Total (Africa) Limited Total (Fiji) Limited Total Additifs et Carburants Speciaux Total Africa S.A. Total Additifs et Carburants Speciaux Total Africa S.A.   | 100,00%   | E                | United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Seaudia Arabia Netherlands France France India France France South Korea India United Kingdom Figil Islands France Saoudia Arabia Definica France South Korea India France France France France France France France France  | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France France France South Korea India France   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited Autional Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Urbaine des Petroles S-Oil Total Lubricants Company Limited South Asia LPG Private Limited Stedis Tas'Helat Marketing Company Total (Africa) Limited Total (Africa) Limited Total (Africa) Limited Total Adviation & Export Limited Total Belgium Total Bitumen Deutschland GmbH  | 100,00%   | E<br>E<br>E      | United Kingdom United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France France France South Korea India India India France South Korea India India France Boudia Arabia United Kingdom Fiji Islands France France France France France France Belgium Germany  | United Kingdom France Kenya Tanzania China Maurituis Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France Bouth Korea India United Kingdom Fiji Islands France   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzanai Limited Gapco Tanzanai Limited Guangzhou Elf Lubricants Company Limited Guangzhou Elf Lubricants Company Limited Guff Africa Petroleum Corporation Lubricants Vietnam Holding Limited National Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe urbaine des Petroles Societe Urbaine des Petroles Soli Total Lubricants Company Limited South Asia LPG Private Limited Stedis Tas'Helat Marketing Company Total (Africa) Limited Total (Fiji) Limited Total (Fiji) Limited Total Additifs et Carburants Speciaux Total Africa S.A. Total Aviation & Export Limited Total Belgium Total Belgium Total Belgium Douts Limited Total Belgium Total Belgium Total Bitumen Deutschland GmbH Total Bitumen UK Limited | 100,00% | E E E E E        | United Kingdom United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France India France India France Gouth Korea India France France Jandia France Saoudia Arabia United Kingdom Fiji Islands France France France France France Gemmany United Kingdom   | United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France France France India France South Korea India India France Saoudia Arabia United Kingdom Fiji Islands France France Germany United Kingdom United Kingdom United Kingdom United Kingdom Germany United Kingdom   |
| Total Proxi Energies Nord Est Elf Oil UK Aviation Limited Elf Oil UK Properties Limited Fioulmarket.fr Gapco Kenya Limited Gapco Tanzania Limited Guangzhou Elf Lubricants Company Limited Gulf Africa Petroleum Corporation Lubricants Vietnam Holding Limited Autional Petroleum Refiners Of South Africa (PTY) Limited Progeres S.A.S. Quimica Vasca S.A.U. Saudi Total Petroleum Products Servauto Nederland B.V. Societe d'exploitation de l'usine de Rouen Societe mahoraise de stockage de produits petroliers Societe Urbaine des Petroles S-Oil Total Lubricants Company Limited South Asia LPG Private Limited Stedis Tas'Helat Marketing Company Total (Africa) Limited Total (Africa) Limited Total (Africa) Limited Total Adviation & Export Limited Total Belgium Total Bitumen Deutschland GmbH  | 100,00%   | E E E E          | United Kingdom United Kingdom United Kingdom France Kenya Tanzania China Mauritius Island Hong Kong South Africa France France France South Korea India India India France South Korea India India France Boudia Arabia United Kingdom Fiji Islands France France France France France France Belgium Germany  | United Kingdom France Kenya Tanzania China Maurituis Island Hong Kong South Africa France Spain Saoudia Arabia Netherlands France Bouldia France   |

Marketing & Services

| Total Brasil Distribuidora Ltda  | 100,00%  | Brazil   | Brazil   |
|--|--|--|--|
| Total Burkina  | 100,00%  | Burkina Faso   | Burkina Faso   |
| Total Cambodge   | 100,00%  | Cambodia   | Cambodia   |
| Total Cameroun   | 67,01%   | Cameroon   | Cameroon   |
| Total Caraibes   | 100,00%  | France   | France   |
| Total Ceska Republika S.R.O.   | 100,00%  | Czech Republic   | Czech Republic   |
| Total China Investment Company Limited   | 100,00%  | China  | China  |
| Total Congo  | 100,00%  | Congo  | Congo  |
| Total Corse  | 100,00%  | France   | France   |
| Total Cote D'Ivoire  | 72,99%   | Côte d'Ivoire  | Côte d'Ivoire  |
| Total Denmark A/S  | 100,00%  | Denmark  | Denmark  |
| Total Egypt  | 84,62%   | Egypt  | Egypt  |
| Total Espana S.A.  | 100,00%  | Spain  | Spain  |
| Total Especialidades Argentina   | 100,00%  | Argentina  | Argentina  |
| Total Ethiopia   | 100,00%  | Ethiopia   | Ethiopia   |
| Total Fluides  | 100,00%  | France   | France   |
| Total Freeport Corporation   | 51,00% E   | Philippines  | Philippines  |
| Total Fuels Wuhan Company Limited  | 100,00%  | China  | China  |
| Total Glass Lubricants Europe GmbH   | 100,00%  | Germany  | Germany  |
| Total Guadeloupe   | 100,00%  | France   | Guadeloupe   |
| Total Guinea Ecuatorial  | 70,00%   | Equatorial Guinea  | Equatorial Guinea  |
| Total Guinea   | 100,00%  | Guinea   | Guinea   |
|  |  |  |  |
| Total Holding Asie   | 100,00%  | France   | France   |
| Total Holding India  | 100,00%  | France   | France   |
| Total Italia   | 100,00%  | Italy  | Italy  |
| Total Jamaica Limited  | 100,00%  | Jamaica  | Jamaica  |
| Total Jordan PSC   | 100,00%  | Jordan   | Jordan   |
| Total Kenya  | 93,96%   | Kenya  | Kenya  |
| Total Liban  | 100,00%  | Lebanon  | Lebanon  |
| Total Liberia Inc.   | 100,00%  | Liberia  | Liberia  |
| Total Lubricants (China) Company Limited   | 77,00%   | China  | China  |
| Total Lubricants Taiwan Limited  | 63,00%   | Taiwan   | Taiwan   |
| Total Lubrifiants  | 99,98%   | France   | France   |
| Total Lubrifiants Algerie  | 78,90%   | Algeria  | Algeria  |
| Total Lubrifiants Service Automobile   | 99,98%   | France   | France   |
| Total Luxembourg S.A.  | 100,00%  | Luxembourg   | Luxembourg   |
| Total Madagasikara S.A.  | 79,44%   | Madagascar   | Madagascar   |
| Total Malawi Limited   | 100,00%  | Malawi   | Malawi   |
| Total Mali   | 100,00%  | Mali   | Mali   |
| Total Marine Fuels   | 100,00%  | Singapore  | Singapore  |
|  | 84,62%   |  |  |
| Total Marketing Egypt  |  | Egypt  | Egypt  |
| Total Marketing et Services Angola S.A.  | 50,00% E   | Angola   | Angola   |
| Total Marketing France   | 100,00%  | France   | France   |
| Total Marketing Gabon  | 90,00%   | Gabon  | Gabon  |
| Total Marketing Middle East Free Zone  | 100,00%  | United Arab Emirates   | United Arab Emirates   |
| Total Marketing Services   | 100,00%  | France   | France   |
| Total Marketing Tchad  | 100,00%  | Chad   | Chad   |
| Total Marketing Uganda   | 100,00%  | Uganda   | Uganda   |
| Total Maroc  | 55,00%   | Morocco  | Morocco  |
| Total Mauritius  | 55,00%   | Mauritius Island   | Mauritius Island   |
| Total Mayotte  | 100,00%  | France   | Mayotte  |
| Total Mexico S.A. de C.V.  | 100,00%  | Mexico   | Mexico   |
| Total Mineraloel und Chemie GmbH   | 400.000/   | C  | Germany  |
|  | 100,00%  | Germany  |  |
|  |  |  |  |
| Total Mineralol GmbH   | 100,00%  | Germany  | Germany  |
| Total Mineralol GmbH<br>Total Mozambique   | 100,00%<br>100,00%   | Germany<br>Mozambique  | Germany<br>Mozambique  |
| Total Mineralol GmbH<br>Total Mozambique<br>Total Namibia (PTY) Limited  | 100,00%<br>100,00%<br>50,10%   | Germany<br>Mozambique<br>Namibia   | Germany<br>Mozambique<br>Namibia   |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Namibia (PTY) Limited  | 100,00%<br>100,00%<br>50,10%<br>100,00%  | Germany<br>Mozambique<br>Namibia<br>Netherlands  | Germany<br>Mozambique<br>Namibia<br>Netherlands  |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A.  | 100,00%<br>100,00%<br>50,10%<br>100,00%<br>100,00%   | Germany<br>Mozambique<br>Namibia<br>Netherlands<br>Niger   | Germany<br>Mozambique<br>Namibia<br>Netherlands<br>Niger   |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Nederland NV Total Nigeria PLC   | 100,00%<br>100,00%<br>50,10%<br>100,00%<br>100,00%<br>61,72%   | Germany<br>Mozambique<br>Namibia<br>Netherlands<br>Niger<br>Nigeria  | Germany<br>Mozambique<br>Namibia<br>Netherlands<br>Niger<br>Nigeria  |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger PLC Total Oil Asia-Pacific Pte Limited   | 100,00%<br>100,00%<br>50,10%<br>100,00%<br>100,00%<br>61,72%<br>100,00%  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore   | Germany<br>Mozambique<br>Namibia<br>Netherlands<br>Niger<br>Nigeria<br>Singapore   |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Nigeria PLC Total Oli India Private Limited Total Oil India Private Limited  | 100,00%<br>100,00%<br>50,10%<br>100,00%<br>100,00%<br>61,72%<br>100,00%  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India   |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer   | 100,00%<br>100,00%<br>50,10%<br>100,00%<br>100,00%<br>61,72%<br>100,00%<br>100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France  |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Neidel (PTY) Limited Total Neiderland NV Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique   | 100,00%<br>100,00%<br>50,10%<br>100,00%<br>100,00%<br>61,72%<br>100,00%<br>100,00%<br>100,00%  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia  |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Paiement Services   | 100,00%<br>100,00%<br>50,10%<br>100,00%<br>100,00%<br>61,72%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France   |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Naedralnd NV Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil Asia-Pacific Pte Limited Total Oil Asia-Pacific Pte Limited Total Outre-Mer Total Pacifique Total Pacifique Total Pacifique Total Pacifique Total Pacifique Total Parco Pakistan Limited  | 100,00%<br>100,00%<br>50,10%<br>100,00%<br>100,00%<br>61,72%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>50,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France Pakistan  | Germany Mozambique Namibia Netherlands Niger Nigera Singapore India France New Caledonia France Pakistan   |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Namibia (PTY) Limited Total Nederland NV Total Niger S-A. Total Nigers a PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Otral Outer-Mer Total Pacifique Total Pasiement Services Total Parco Pakistan Limited Total Petroleum (Shanghai) Company Limited   | 100,00%<br>100,00%<br>50,10%<br>100,00%<br>61,72%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>100,00%<br>50,00% E   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China  |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Patrifique Total Patrifique Total Patroleum (Shanghal) Company Limited Total Petroleum (Shanghal) Company Limited Total Petroleum (Shanghal) Company Limited  | 100,00% 100,00% 50,10% 100,00% 100,00% 100,00% 61,72% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 76,74%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana  |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Niger B.LC Total Oil Jaia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pasiment Services Total Parco Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited  | 100,00% 100,00% 50,10% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France France Pakistan China Ghana Puerto Rico  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico  |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Patrifique Total Patrifique Total Patroleum (Shanghal) Company Limited Total Petroleum (Shanghal) Company Limited Total Petroleum (Shanghal) Company Limited  | 100,00% 100,00% 50,10% 100,00% 100,00% 100,00% 61,72% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 76,74%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana  |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Niger B.LC Total Oil Jaia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pasiment Services Total Parco Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited  | 100,00% 100,00% 50,10% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France France Pakistan China Ghana Puerto Rico  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico  |
| Total Mineralol GmbH Total Mineralol GmbH Total Mozambique Total Namibia (PT) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Niger s.A. Total Niger s.A. Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Otre-Mer Total Pacifique Total Pacifique Total Pasiement Services Total Parco Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation  | 100,00% 100,00% 50,10% 100,00% 100,00% 61,72% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E 100,00% 51,00% E 100,00%  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines  |
| Total Mineralol GmbH Total Mozambique Total Nozambique Total Namibia (PTY) Limited Total Neibia (PTY) Limited Total Neibia (PTY) Limited Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Pacifique Total Parice Pakistan Limited Total Paricemum (Shanghai) Company Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Poliska   | 100,00% 100,00% 50,10% 100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland  | Germany Mozambique Namibia Netherlands Niiger Niigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland   |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Parion Pacifique Total Parion Pacifique Total Parion (Shanghai) Company Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Puerto Rico Corp. Total Petroleum Puerto Rico Corp. Total Pohilippines Corporation Total Polynesie  | 100,00% 100,00% 50,10% 100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia  |
| Total Mineralol GmbH Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Niger S.A. Total Oli Asia-Pacific Pte Limited Total Oli India Private Limited Total Oli India Private Limited Total Otal Asia-Pacific Pte Limited Total Otare-Mer Total Pacifique Total Pacifique Total Pasiement Services Total Parco Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Polska Total Polynesie Total Polynesie Total Polynesie  | 100,00% 100,00% 50,10% 100,00% 100,00% 61,72% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% 50,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00% 51,00%  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France France Ohina China China Chana Puerto Rico Poland France Poland France   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Phillippines Poland French Polynesia Democratic Republic of Congo  |
| Total Mineralol GmbH Total Mozambique Total Nomibia (PTY) Limited Total Nemibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Parco Pakistan Limited Total Parco Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Polska Total Polynesie Total Polynesie Total Reunion  | 100,00% 100,00% 50,10% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% E 100,00% 51,00% E 100,00% 51,00% E 100,00%  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo France   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion   |
| Total Mineralol GmbH Total Mineralol (PT) Limited Total Namibia (PT) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Niger S.A. Total Niger S.A. Total Oil Asia-Pacific Pte Limited Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Otre-Mer Total Pacifique Total Pacifique Total Pasiement Services Total Parce Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Polska Total Polynesie Total RDC Total Reunion Total Rounion Total Senegal   | 100,00% 100,00% 50,10% 100,00% 100,00% 61,72% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% 50,00% 51,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo France Romania Senegal   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal   |
| Total Mineralol GmbH Total Mozambique Total Nomibia (PTY) Limited Total Nemibia (PTY) Limited Total Neigher SA. Total Niger SA. Total Niger SA. Total Niger SA. Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Parco Pakistan Limited Total Parco Pakistan Limited Total Petroleum (Shanghal) Company Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Polska Total Polynesie Total Polynesie Total Reunion Total Romania S.A. Total Romania S.A. Total Singapore Shared Services Pte Limited   | 100,00% 100,00% 50,10% 100,00% 100,00% 1100,00% 1100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo France Romania Senegal Singapore   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore   |
| Total Mineralol GmbH Total Mozambique Total Nozambique Total Namibia (PTY) Limited Total Neibia (PTY) Limited Total Neibia (PTY) Limited Total Neiger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Parco Pakistan Limited Total Parco Pakistan Limited Total Partoneum (Shanghal) Company Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Pollippines Corporation Total Polynesie Total Robynesie Total Romania S.A. Total Senegal Total Sinochem Fuels Company Limited Total Singapore Shared Services Pte Limited Total Singapore Shared Services Pte Limited   | 100,00% 100,00% 50,10% 100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo France Romania Senegal Singapore China   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore China   |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Pacifique Total Parco Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Pokiska Total Polynesie Total RDC Total Romania S.A. Total Senegal Total Singapore Shared Services Pte Limited Total Singapore Shared Services Pte Limited Total Sinochem Fuels Company Limited  | 100,00% 100,00% 50,10% 100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo France Romania Senegal Singapore China China China   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore China China China China China   |
| Total Mineralol GmbH Total Mozambique Total Nomibia (PTY) Limited Total Nemibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Niger s.P. Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Pacifique Total Parco Pakistan Limited Total Parco Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Potoleum Chana Limited Total Potoleum Ghana Limited Total Romania S.A. Total Romania S.A. Total Somania S.A. Total Singapore Shared Services Pte Limited Total Sinochem Fuels Company Limited Total Sinochem Oil Company Limited  | 100,00% 100,00% 50,10% 100,00% 100,00% 1100,00% 1100,00% 100,0 | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Bemoratic Republic of Congo France Romania Senegal Singapore China China South Africa   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore China China Ghana China Ghana China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore China China China South Africa   |
| Total Mineralol GmbH Total Mozambique Total Nomibia (PTY) Limited Total Nomibia (PTY) Limited Total Nomibia (PTY) Limited Total Neiger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Pacifique Total Parco Pakistan Limited Total Parco Pakistan Limited Total Petroleum (Shanghal) Company Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Polynesie Total Polynesie Total Rounion Total Romania S.A. Total Senegal Total Sinochem Fuels Company Limited Total Sinochem Oil Company Limited Total Sipecialties USA Inc.   | 100,00% 100,00% 50,10% 50,10% 100,00%  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo France Romania Senegal Singapore China | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore China China Ghana United States   |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Namibia (PTY) Limited Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Parion Pacifique Total Parion Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Pokiska Total Polynesie Total RDC Total Rounion Total Romania S.A. Total Senegal Total Singapore Shared Services Pte Limited Total Singapore Shared Services Pte Limited Total Sinochem Fuels Company Limited Total Sinochem Fuels Company Limited Total Sinochem Fuels Company Limited Total Sinochem Oil Company Limited Total Sinochem Oil Company Limited Total Supply MS S.A.   | 100,00% 100,00% 50,10% 100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo France Romania Senegal Singapore China China China China China China China China South Africa United States Switzerland  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore Lindia Senegal Singapore China South Africa United States  |
| Total Mineralol GmbH Total Mozambique Total Namibia (PTY) Limited Total Namibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Niger s.P. Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Pacro Pakistan Limited Total Parco Pakistan Limited Total Petroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Potroleum Ghana Limited Total Polika Total Polika Total Polika Total Somania S.A. Total Senegal Total Singapore Shared Services Pte Limited Total Singapore Shared Services Pte Limited Total Singapore Shared Services Pte Limited Total Singebelalties USA Inc. Total Swaziland (PTY) Limited  | 100,00% 100,00% 50,10% 100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo France Romania Senegal Singapore China China China South Africa United States Switzerland Swaziland  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore China South Africa United States Switzerland Swaziland  |
| Total Mineralol GmbH Total Mozambique Total Nomibia (PTY) Limited Total Nomibia (PTY) Limited Total Nederland NV Total Niger S.A. Total Niger S.A. Total Nigeria PLC Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Outre-Mer Total Pacifique Total Parco Pakistan Limited Total Parco Pakistan Limited Total Petroleum (Shanghal) Company Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philipines Corporation Total Philipines Corporation Total Philipines Corporation Total Philipines Corporation Total Rowania S.A. Total Sonmania S.A. Total Somania S.A. Total Singapore Shared Services Pte Limited Total Sinochem Fuels Company Limited Total Specialties USA Inc. Total Supply MS S.A. Total Tanzania Limited  | 100,00% 100,00% 50,10% 100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France Pakistan China Ghana Puerto Rico Philippines Poland France Democratic Republic of Congo France Romania Senegal Singapore China | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Phillippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore China China Ghana United States Switzerland Swaziland Tanzania   |
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| Total Mineralol GmbH Total Mozambique Total Nederland NV Total Niger S.A. Total Niger S.A. Total Niger S.A. Total Niger S.A. Total Oil Asia-Pacific Pte Limited Total Oil India Private Limited Total Oil India Private Limited Total Oil India Private Limited Total Pacifique Total Pacifique Total Paceroleum (Shanghai) Company Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Petroleum Ghana Limited Total Petroleum Puerto Rico Corp. Total Philippines Corporation Total Polyka Total Polyka Total Polyka Total Reunion Total Rounion Total Rounion Total Rounion Total Romania S.A. Total Singapore Shared Services Pte Limited Total Sinochem Fuels Company Limited Total Sinochem Fuels Company Limited Total South Africa (PTY) Limited Total South Africa (PTY) Limited Total South Africa (PTY) Limited Total Total Singal Limited Total Total Total Jinjin Manufacturing Company Limited Total Total Trunisie Total Tunisie Total Tunisie Total Ukraine LLC Total Zimbabwe Totalgaz Vietnam LLC Trapil Upbeatprops 100 PTY Limited V Energy S.A. Albatros Elf Aquitaine Inc. Elf Forest Products LLC Omnium Reinsurance Company S.A.   | 100,00% 100,00% 50,10% 100,00% 100,00% 61,72% 100,00% 100,00% 100,00% 100,00% 100,00% 100,00% 50,00% 100,00%   | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France France France France Pakistan China Ghana Puerto Rico Philippines Poland France Bemocratic Republic of Congo France Romania Senegal Singapore China China China China Tina China France Democratic Republic of Congo France Romania Senegal Singapore China China China China China China Togo Tunisia Turkey United States Uganda United Kingdom Ukraine Vietnam Russia Zambia Zimbabwe Vietnam Russia Zambia Zimbabwe Vietnam France South Africa Dominican Republic France France France France France France France United States  | Germany Mozambique Namibia Netherlands Niger Nigeria Singapore India France New Caledonia France Pakistan China Ghana Puerto Rico Philippines Poland French Polynesia Democratic Republic of Congo Reunion Romania Senegal Singapore China China South Africa United States United Kingdom Ukraine Vietnam Russia Zambia Zimbabwe Vietnam France South Africa Dominican Republic Dirance South Africa United Kingdom Ukraine Vietnam Russia Zambia Zimbabwe Vietnam France South Africa Dominican Republic France United States Switzerland  |
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Corporate

| Societe Civile Immobiliere CB2                       | 100,00% | France         | France         |
|--|---------|----------------|----------------|
| Sofax Banque   | 100,00% | France         | France         |
| Total American Services Inc.                         | 100,00% | United States  | United States  |
| Total Capital  | 100,00% | France         | France         |
| Total Capital Canada Limited                         | 100,00% | Canada         | Canada         |
| Total Capital International                          | 100,00% | France         | France         |
| Total Consulting                                     | 100,00% | France         | France         |
| Total Corporate Management (Beijing) Company Limited | 100,00% | China          | China          |
| Total Delaware Inc.                                  | 100,00% | United States  | United States  |
| Total Developpement Regional S.A.S.                  | 100,00% | France         | France         |
| Total Digital Factory                                | 100,00% | France         | France         |
| Total Facilities Management Services (TFMS)          | 100,00% | France         | France         |
| Total Finance  | 100,00% | France         | France         |
| Total Finance Corporate Services Limited             | 100,00% | United Kingdom | United Kingdom |
| Total Finance Global Services (TOFIG)                | 100,00% | Belgium        | Belgium        |
| Total Finance international B.V.                     | 100,00% | Netherlands    | Netherlands    |
| Total Finance Nederland B.V.                         | 100,00% | Netherlands    | Netherlands    |
| Total Finance USA Inc.                               | 100,00% | United States  | United States  |
| Total Funding Nederland B.V.                         | 100,00% | Netherlands    | Netherlands    |
| Total Funding Nederland International B.V.           | 100,00% | Netherlands    | Netherlands    |
| Total Gestion Filiales                               | 100,00% | France         | France         |
| Total Gestion USA                                    | 100,00% | France         | France         |
| Total Global Financial Services                      | 100,00% | France         | France         |
| Total Global Human Ressources Services               | 100,00% | France         | France         |
| Total Global Information Technology Services Belgium | 99,98%  | Belgium        | Belgium        |
| Total Global IT Services (TGITS)                     | 100,00% | France         | France         |
| Total Global Procurement (TGP)                       | 100,00% | France         | France         |
| Total Global Procurement Belgium S.A. (TGPB)         | 100.00% | Belgium        | Belgium        |
| Total Global Services Bucharest                      | 99,01%  | Romania        | Romania        |
| Total Global Services Philippines                    | 100,00% | Philippines    | Philippines    |
| Total Holding Allemagne                              | 100,00% | France         | France         |
| Total Holdings Europe                                | 100,00% | France         | France         |
| Total Holdings International B.V.                    | 100,00% | Netherlands    | Netherlands    |
| Total Holdings S.A.S.                                | 100,00% | France         | France         |
| Total Holdings UK Limited                            | 100,00% | United Kingdom | United Kingdom |
| Total Holdings USA Inc.                              | 100,00% | United States  | United States  |
| Total International NV                               | 100,00% | Netherlands    | Netherlands    |
| Total Investments                                    | 100,00% | France         | France         |
| Total Learning Solutions (TLS)                       | 100,00% | France         | France         |
| Total Operations Canada Limited                      | 100,00% | Canada         | Canada         |
| Total Overseas Holding (PTY) Limited                 | 100,00% | South Africa   | Netherlands    |
| Total Participations                                 | 100,00% | France         | France         |
| Total Petrochemicals & Refining S.A./NV (e)          | 100,00% | Belgium        | Belgium        |
| Total Petrochemicals & Refining USA Inc. (e)         | 100,00% | United States  | United States  |
| Total Petrochemicals Security USA Inc.               | 100,00% | United States  | United States  |
| Total Resources (Canada) Limited                     | 100,00% | Canada         | Canada         |
| TOTAL S.E.   | -       | France         | France         |
| Total Treasury                                       | 100,00% | France         | France         |
| Total UK Finance Limited                             | 100,00% | United Kingdom | United Kingdom |
|  |         |                |                |

<sup>(</sup>a) % of control different from % of interest : 49%
(b) % of control different from % of interest : 10%
(c) % of control different from % of interest : 5.80%
(d) % of control different from % of interest : 20.02%
(e) Multi-segment entities