

# 2017

## ANNUAL REPORT



**EXPERIENCE MATTERS**

## 5.2 NON-FINANCIAL INDICATORS

### 5.2.1 HEALTH, SAFETY & SECURITY

#### Health, Safety & Security

|  | Year to Year |            | 2017 – By Operating Segment |           |
|--|--------------|------------|-----------------------------|-----------|
|  | 2017         | 2016       | Offshore                    | Onshore   |
| <b>Exposure Hours</b>  |              |            |                             |           |
| Employee <sup>1</sup>  | 12,640,875   | 13,117,798 | 8,375,826                   | 4,265,049 |
| Contractor <sup>2</sup>  | 742,280      | 1,516,282  | 0                           | 742,280   |
| <b>Total Exposure hours</b>  | 13,383,155   | 14,634,080 | 8,375,826                   | 5,007,329 |
| <b>Fatalities (work related)</b>   |              |            |                             |           |
| Employee   | 0            | 0          | 0                           | 0         |
| Contractor   | 0            | 0          | 0                           | 0         |
| <b>Total Fatalities</b>  | 0            | 0          | 0                           | 0         |
| <b>Injuries</b>  |              |            |                             |           |
| Lost Time Injury Frequency Rate Employee   | 0.05         | 0.12       | 0.07                        | 0.00      |
| Lost Time Injury Frequency Rate Contractor   | 0.27         | 0.00       | 0.00                        | 0.27      |
| <b>Lost Time Injury Frequency Rate (Total)<sup>3</sup></b>                               | 0.06         | 0.11       | 0.07                        | 0.04      |
| Total Recordable Injury Frequency Rate Employee  | 0.17         | 0.34       | 0.26                        | 0.00      |
| Total Recordable Injury Frequency Rate Contractor  | 0.54         | 0.13       | 0.00                        | 0.54      |
| <b>Total Recordable Injury Frequency Rate (Total)<sup>4</sup></b>                        | 0.19         | 0.31       | 0.26                        | 0.08      |
| <b>Occupational Illnesses</b>  |              |            |                             |           |
| Employee   | 1            | 7          | 1                           | 0         |
| Contractor   | 2            | 5          | 2                           | 0         |
| <b>Total recordable Occupational Illness Frequency Rate (employees only)<sup>5</sup></b> | 0.02         | 0.11       | 0.02                        | 0.00      |
| <b>Security</b>  |              |            |                             |           |
| Work-related security incidents  | 11           | 9          | 9                           | 2         |
| Work-related security incident resulting in physical harm to employees (number)          | 0            | 0          | 0                           | 0         |

1 Permanent employees, part-time employees, locally hired agency staff ('direct contractors') in the fabrication sites, offices and offshore workers, i.e. all people working for the Company

2 Any person employed by a Contractor or Contractor's Sub-Contractor(s) who is directly involved in execution of prescribed work under a contract with SBM Offshore

3 Lost time injuries per 200,000 exposure hours

4 Recordable injuries per 200,000 exposure hours

5 Occupational illnesses per 200,000 exposure hours

#### Process Safety

|   | Year to Year |      | 2017 – Regional Breakdown |        |                                   |      |
|---|--------------|------|---------------------------|--------|-----------------------------------|------|
|   | 2017         | 2016 | Brazil                    | Angola | North America & Equatorial Guinea | Asia |
| <b>Loss of Containment - Process</b>          |              |      |                           |        |                                   |      |
| Total   | 353          | 297  | 256                       | 30     | 34                                | 33   |
| API 754 Classified Materials                  | 227          | 163  | 163                       | 24     | 27                                | 13   |
| <b>API 754 Classified Materials (by TIER)</b> |              |      |                           |        |                                   |      |
| Tier 1 incidents (number)                     | 5            | 3    | 2                         | 1      | 1                                 | 1    |
| Tier 2 incidents (number)                     | 7            | 20   | 4                         | 0      | 2                                 | 1    |
| Tier 3 Incidents (above 1kg/hr)               | 91           | 82   | 61                        | 16     | 11                                | 3    |
| Weeps and Seeps (below 1kg/hr)                | 124          | 58   | 96                        | 7      | 13                                | 8    |



## 5 NON-FINANCIAL DATA

### 5.2.2 ENVIRONMENT

#### Emissions & Energy

|   | Year to Year      |                   | 2017 – Regional Breakdown |                  |                                   |              |
|---|-------------------|-------------------|---------------------------|------------------|-----------------------------------|--------------|
|   | 2017              | 2016 <sup>1</sup> | Brazil                    | Angola           | North America & Equatorial Guinea | Asia         |
| Number of offshore units (vessels)                                    | 14                | 14                | 7                         | 3                | 3                                 | 1            |
| <b>SBM Offshore Production</b>  |                   |                   |                           |                  |                                   |              |
| Hydrocarbon Production (tonnes)                                       | 55,914,824        | 44,621,370        | 41,338,878                | 10,988,770       | 3,388,428                         | 198,749      |
| <b>Energy Consumption</b>   |                   |                   |                           |                  |                                   |              |
| Offshore Energy Consumption – Scope 1 in GJ <sup>2</sup>              | 62,746,663        | 55,486,649        | 40,358,799                | 16,304,135       | 6,027,049                         | 56,679       |
| Offshore Energy consumption per production <sup>3</sup>               | 1.12              | 1.24              | 0.98                      | 1.48             | 1.78                              | 0.29         |
| Onshore Energy Consumption – Scope 1 + Scope 2 in GJ <sup>2</sup>     | 35,110            | 36,930            |                           |                  |                                   |              |
| <b>Total Energy Consumption – Scope 1 + Scope 2 in GJ<sup>2</sup></b> | <b>62,781,772</b> | <b>55,523,579</b> |                           |                  |                                   |              |
| <b>Emissions – Offshore</b>   |                   |                   |                           |                  |                                   |              |
| <b>GHG Scope 1</b>  |                   |                   |                           |                  |                                   |              |
| Carbon dioxide (CO <sub>2</sub> ) in tonnes                           | 5,193,405         | 5,766,556         | 2,621,690                 | 2,147,172        | 420,539                           | 4,004        |
| Methane (CH <sub>4</sub> ) in tonnes                                  | 11,917            | 18,351            | 2,976                     | 8,319            | 623                               | 0            |
| Nitrous oxide (N <sub>2</sub> O) in tonnes                            | 314               | 309               | 181                       | 105              | 28                                | 0            |
| <b>Volume of GHG<sup>4</sup></b>                                      | <b>5,584,850</b>  | <b>6,317,413</b>  | <b>2,749,961</b>          | <b>2,386,329</b> | <b>444,474</b>                    | <b>4,087</b> |
| <b>GHG per production offshore – Scope 1<sup>5</sup></b>              | <b>99.88</b>      | <b>141.58</b>     | <b>66.52</b>              | <b>217.16</b>    | <b>130.11</b>                     | <b>20.56</b> |
| <b>Flaring</b>  |                   |                   |                           |                  |                                   |              |
| Total Gas Flared per production <sup>6</sup>                          | 10.92             | 21.70             | 3.19                      | 40.86            | 8.81                              | NA           |
| Gas Flared on SBM account per production <sup>6</sup>                 | 5.68              | n.a. <sup>7</sup> | 2.95                      | 16.82            | 3.25                              | NA           |
| Proportion of Gas Flared on SBM account                               | 52%               | n.a. <sup>7</sup> | 93%                       | 41%              | 37%                               | NA           |
| <b>Other/Air Pollution – Non Greenhouse Gas Emissions</b>             |                   |                   |                           |                  |                                   |              |
| Carbon monoxide (CO) in tonnes  | 7,220             | 9,583             | 2,917                     | 3,805            | 498                               | 1            |
| Nitrogen oxides (NO <sub>x</sub> )                                    | 7,578             | 7,917             | 4,549                     | 2,255            | 762                               | 12           |
| Sulphur dioxides (SO <sub>2</sub> )                                   | 7,735             | 12,691            | 53                        | 38               | 7,639                             | 5            |
| Volatile organic compounds (VOCs)                                     | 1,268             | 1,988             | 292                       | 909              | 66                                | 0            |

<sup>1</sup> This information contains several data revisions compared to previous years. Details of these revisions can be found in section 5.1.6.

<sup>2</sup> GJ = gigajoule

<sup>3</sup> gigajoule of energy per tonnes of hydrocarbon production

<sup>4</sup> GHG = Greenhouse Gas Emissions; in tonnes of CO<sub>2</sub> equivalents

<sup>5</sup> tonnes of Greenhouse Gas Emissions per thousand tonnes of hydrocarbon production

<sup>6</sup> tonnes of gas flared per thousand tonnes of hydrocarbon production

<sup>7</sup> Not available due to change in methodology see section 5.1.6 for details.