



**OFFSHORE**

ENERGY. COMMITTED.

# ANNUAL REPORT 2018

## 5 NON-FINANCIAL DATA

### 5.3 NON-FINANCIAL INDICATORS

#### 5.3.1 HEALTH, SAFETY & SECURITY

##### Health, Safety & Security

	Year to Year		2018 – By Operating Segment	
	2018	2017	Offshore	Onshore
<b>Exposure Hours</b>				
Employee <sup>1</sup>	12,038,253	12,640,875	8,040,307	3,997,946
Contractor <sup>2</sup>	15,282,127	742,280		15,282,127
<b>Total Exposure hours</b>	<b>27,320,380</b>	<b>13,383,155</b>	<b>8,040,307</b>	<b>19,280,073</b>
<b>Fatalities (work related)</b>				
Employee	0	0	0	0
Contractor	1	0	0	1
<b>Total Fatalities</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Injuries</b>				
Lost Time Injury Frequency Rate Employee	0.10	0.05	0.15	0.00
Lost Time Injury Frequency Rate Contractor	0.10	0.27	0.00	0.10
<b>Lost Time Injury Frequency Rate (Total)<sup>3</sup></b>	<b>0.10</b>	<b>0.06</b>	<b>0.32</b>	<b>0.01</b>
Total Recordable Injury Frequency Rate Employee	0.23	0.17	0.32	0.05
Total Recordable Injury Frequency Rate Contractor	0.14	0.54	0.00	0.14
<b>Total Recordable Injury Frequency Rate (Total)<sup>4</sup></b>	<b>0.18</b>	<b>0.19</b>	<b>0.32</b>	<b>0.12</b>
<b>Occupational Illnesses</b>				
Employee	20	1	20	0
Contractor	0	2	0	0
<b>Total recordable Occupational Illness Frequency Rate (employees only)<sup>5</sup></b>	<b>0.33</b>	<b>0.02</b>	<b>0.50</b>	<b>0.00</b>
<b>Security</b>				
Work-related security incidents	7	11	5	2
Work-related security incident resulting in physical harm to employees (number)	0	0	0	0

1 Direct hires, 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		2018 – Regional Breakdown			
	2018	2017	Brazil	Angola	Africa / North America	Asia
<b>Loss of Containment - Process</b>						
Total	344	353	227	39	30	48
API 754 Classified Materials	181	227	115	28	15	23
<b>API 754 Classified Materials (by TIER)</b>						
Tier 1 incidents (number)	4	5	3	1	0	0
Tier 2 incidents (number)	5	7	0	3	2	0

## 5.3.2 ENVIRONMENT

### Emissions & Energy

	Year to Year		2018 – Regional Breakdown			
	2018	2017	Brazil	Angola	North America & Equatorial Guinea	Asia
Number of offshore units (vessels)	13	14	7	3	2	1
<b>SBM Offshore Production</b>						
Hydrocarbon Production (tonnes)	52,207,616	55,914,824	41,000,528	9,233,984	1,929,401	43,702
<b>Energy Consumption</b>						
Offshore Energy Consumption – Scope 1 in GJ <sup>1</sup>	57,993,254	62,746,663	39,316,180	14,907,625	3,717,660	51,789
Offshore Energy consumption per production <sup>2</sup>	1.11	1.12	0.96	1.61	1.93	1.19
Onshore Energy Consumption – Scope 1 + Scope 2 in GJ <sup>1</sup>	40,538	34,397				
<b>Total Energy Consumption – Scope 1 + Scope 2 in GJ<sup>3</sup></b>	<b>58,033,793</b>	<b>62,781,060</b>				
<b>Emissions – Offshore</b>						
<b>GHG Scope 1</b>						
Carbon dioxide (CO <sub>2</sub> ) in tonnes	4,764,227	5,193,405	2,634,046	1,874,043	252,481	3,658
Methane (CH <sub>4</sub> ) in tonnes	10,132	11,917	2,736	7,012	383	0.02
Nitrous oxide (N <sub>2</sub> O) in tonnes	295	314	184	93	17	0.25
<b>Volume of GHG<sup>4</sup></b>	<b>5,105,292</b>	<b>5,584,850</b>	<b>2,757,337</b>	<b>2,077,107</b>	<b>267,115</b>	<b>3,734</b>
<b>GHG per production offshore – Scope 1<sup>5</sup></b>	<b>97.79</b>	<b>99.88</b>	<b>67.25</b>	<b>224.94</b>	<b>138.44</b>	<b>85.44</b>
<b>Flaring</b>						
Total Gas Flared per production <sup>6</sup>	9.81	10.92	2.84	40.90	9.46	-
Gas Flared on SBM Offshore account per production <sup>6</sup>	3.70	5.68	2.62	8.56	3.56	-
Proportion of Gas Flared on SBM Offshore account	38%	52%	92%	21%	38%	n.a.
<b>Other/Air Pollution – Non Greenhouse Gas Emissions</b>						
Carbon monoxide (CO) in tonnes	6,491	7,220	2,925	3,257	309	0.88
Nitrogen oxides (NOx)	7,184	7,578	4,719	2,030	428	6.76
Sulphur dioxides (SO <sub>2</sub> )	1,448	7,735	49	44	1,350	4.57
Volatile organic compounds (VOCs)	1,068	1,268	262	766	39	0.12

1 GJ = gigajoule

2 gigajoule of energy per tonnes of hydrocarbon production

3 GJ = gigajoule, energy from fuel gas and marine gas oil

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

5 tonnes of Greenhouse Gas Emissions per thousand tonnes of hydrocarbon production

6 tonnes of gas flared per thousand tonnes of hydrocarbon production