



OFFSHORE

ENERGY. COMMITTED.



ANNUAL REPORT 2019

5 NON-FINANCIAL DATA

5.3 NON-FINANCIAL INDICATORS

5.3.1 HEALTH, SAFETY & SECURITY

Health, Safety & Security

	Year-to-Year		2019 – by Operating Segment	
	2019	2018	Offshore	Onshore
Exposure hours				
Employee ¹	13,926,255	12,038,253	8,809,567	5,116,688
Contractor ²	20,652,056	15,282,127		20,652,056
Total Exposure hours	34,578,311	27,320,380	8,809,567	25,768,744
Fatalities (work related)				
Employee	0	0	0	0
Contractor	1	1	0	1
Total Fatalities	1	1	0	1
Fatality Rate (Total)³	0.01		0	0.01
Injuries				
High-consequence work-related Injury Employee ⁴	0	0	0	0
High-consequence work-related Injury Contractor ⁵	0	0	0	0
High-consequence work-related Injury Rate Employee ⁶	0	0	0	0
High-consequence work-related Injury Rate Contractor ⁶	0.00	0	0	0.00
High-consequence Work-related Injury Rate (Total)⁷	0.00	0	0	0.00
Total Recordable Injury Employee	16	14	11	5
Total Recordable Injury Contractor	6	11	0	6
Total Recordable Injury Rate Employee ⁸	0.23	0.23	0.25	0.20
Total Recordable Injury Rate Contractor ⁸	0.06	0.14	0	0.06
Total Recordable Injury Frequency Rate (Total)⁸	0.13	0.18	0.25	0.09
Occupational Illness				
Employee	1	20	1	0
Contractor	0	0	0	0
Total Recordable Occupational Illness Frequency Rate (Employees only)⁹	0.01	0.33	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 Fatalities per 200,000 exposure hours.

4 Work-related injury that results in an injury from which the Employee cannot, does not, or is not expected to recover fully to pre-injury health status within 6 months, excluding fatality.

5 Work-related injury that results in an injury from which the Contractor cannot, does not, or is not expected to recover fully to pre-injury health status within 6 months, excluding fatality.

6 High-consequence work-related injuries per 200,000 exposure hours.

7 Total high-consequence work-related injuries per 200,000 exposure hours.

8 Recordable injuries per 200,000 exposure hours.

9 Occupational illnesses per 200,000 exposure hours.

Process Safety

	Year-to-Year		2019 – Regional Breakdown			
	2019	2018	Brazil	Angola	Africa / North America	Asia
Loss of Containment – Process						
Total	348	344	237	35	37	39
API 754 Classified Materials	199	181	136	18	27	18
API 754 Classified Materials (by TIER)						
Tier 1 incidents (number)	2	4	0	1	0	1
Tier 2 incidents (number)	3	5	1	1	1	0

5 NON-FINANCIAL DATA

5.3.2 ENVIRONMENT

	Year-to-Year		2019 – Regional Breakdown				
	2019 ¹	2018 (revised)	Brazil	Angola	North America & Caribbean	Asia & Equatorial Guinea	Europe
Number of offshore units (vessels)	12	14	7	3	0	2	0
SBM Offshore Production							
Hydrocarbon Production (tonnes)	53,442,908	53,883,020	40,198,782	10,001,807	-	3,242,318	-
Energy Consumption							
Offshore Energy Consumption	61,368,370	62,044,952	39,640,665	14,896,399	-	6,831,305	-
Onshore Energy Consumption	42,097	40,538	1,593	92	14,589	2,792	23,032
Total Energy Consumption²	61,410,467	62,085,490	39,642,258	14,896,491	14,589	6,834,097	23,032
Offshore Energy consumption per production	1.15	1.15	0.99	1.49	-	2.11	-
Emissions – Offshore							
Carbon dioxide (CO ₂) in tonnes	5,239,388	5,284,570	2,582,114	1,918,037	-	739,238	-
Methane (CH ₄) in tonnes	12,332	12,072	2,751	7,313	-	2,269	-
Nitrous oxide (N ₂ O) in tonnes	311	320	177	94	-	40	-
Emissions – Onshore							
GHG Scope 1 ³	233	194	0	0	0	0	233
GHG Scope 2 (location based) ³	3,429	3,880	61	10	1,942	449	967
GHG Scope 2 (market based)	510		61	10	49	366	24
GHG Scope 3 – Air travel	27,742	17,529	4,225	n.a. ⁴	1,680	798	21,040
Flaring							
Total Gas Flared per production ⁵	11.87	11.45	2.97	39.45	-	37.12	-
Gas Flared on SBM Offshore account per production ⁵	3.95	3.98	2.16	8.53	-	12.01	-
Proportion of Gas Flared on SBM Offshore account	33%	35%	73%	22%	-	32%	-
Other/Air Pollution – Non Greenhouse Gas Emissions							
Carbon monoxide (CO) in tonnes	7,335	7,390	2,818	3,354	-	1,164	-
Nitrogen oxides (NO _x)	7,534	7,824	4,466	2,009	-	1,059	-
Sulphur dioxides (SO ₂)	138	1,485	45	22	-	70	-
Volatile organic compounds (VOCs)	1,315	1,282	267	798	-	250	-
Emissions – (Offshore+Onshore)							
Volume of GHG	5,668,961	5,703,414	2,707,811	2,129,005	1,729	809,120	21,297
Offshore GHG emissions	5,640,476	5,681,811	2,703,525	2,128,995	-	807,956	-
Onshore GHG emissions (market based)	28,486	21,603	4,286	10	1,729	1,164	21,297
Offshore GHG emissions per production ⁶	105.54	105.45	67.25	212.86	-	249.19	-
Discharges							
Quantity of oil in produced water discharges ⁷	5.13	5.33	0.95	9.58	-	43.23	-

1 Excluding Liza Destiny, first oil on December 20, insufficient data

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

3 tonnes of CO₂ equivalents

4 Emissions related to flights are reported in the other regions

5 Tonnes of gas flared per thousand tonnes of hydrocarbon production

6 Tonnes of GHG emissions per thousand tonnes of HC production

7 Tonnes of oil discharged to sea per million tonnes of hydrocarbon production