



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
Exposure Hours				
Employee ¹	12,038,253	12,640,875	8,040,307	3,997,946
Contractor ²	15,282,127	742,280		15,282,127
Total Exposure hours	27,320,380	13,383,155	8,040,307	19,280,073
Fatalities (work related)				
Employee	0	0	0	0
Contractor	1	0	0	1
Total Fatalities	1	0	0	1
Injuries				
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
Lost Time Injury Frequency Rate (Total)³	0.10	0.06	0.32	0.01
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
Total Recordable Injury Frequency Rate (Total)⁴	0.18	0.19	0.32	0.12
Occupational Illnesses				
Employee	20	1	20	0
Contractor	0	2	0	0
Total recordable Occupational Illness Frequency Rate (employees only)⁵	0.33	0.02	0.50	0.00
Security				
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
Loss of Containment - Process						
Total	344	353	227	39	30	48
API 754 Classified Materials	181	227	115	28	15	23
API 754 Classified Materials (by TIER)						
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
SBM Offshore Production						
Hydrocarbon Production (tonnes)	52,207,616	55,914,824	41,000,528	9,233,984	1,929,401	43,702
Energy Consumption						
Offshore Energy Consumption – Scope 1 in GJ ¹	57,993,254	62,746,663	39,316,180	14,907,625	3,717,660	51,789
Offshore Energy consumption per production ²	1.11	1.12	0.96	1.61	1.93	1.19
Onshore Energy Consumption – Scope 1 + Scope 2 in GJ ¹	40,538	34,397				
Total Energy Consumption – Scope 1 + Scope 2 in GJ³	58,033,793	62,781,060				
Emissions – Offshore						
GHG Scope 1						
Carbon dioxide (CO ₂) in tonnes	4,764,227	5,193,405	2,634,046	1,874,043	252,481	3,658
Methane (CH ₄) in tonnes	10,132	11,917	2,736	7,012	383	0.02
Nitrous oxide (N ₂ O) in tonnes	295	314	184	93	17	0.25
Volume of GHG⁴	5,105,292	5,584,850	2,757,337	2,077,107	267,115	3,734
GHG per production offshore – Scope 1⁵	97.79	99.88	67.25	224.94	138.44	85.44
Flaring						
Total Gas Flared per production ⁶	9.81	10.92	2.84	40.90	9.46	-
Gas Flared on SBM Offshore account per production ⁶	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.
Other/Air Pollution – Non Greenhouse Gas Emissions						
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 ₂)	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 CO₂ equivalents

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

6 tonnes of gas flared per thousand tonnes of hydrocarbon production