

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
Exposure Hours				
Employee ¹	12,640,875	13,117,798	8,375,826	4,265,049
Contractor ²	742,280	1,516,282	0	742,280
Total Exposure hours	13,383,155	14,634,080	8,375,826	5,007,329
Fatalities (work related)				
Employee	0	0	0	0
Contractor	0	0	0	0
Total Fatalities	0	0	0	0
Injuries				
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
Lost Time Injury Frequency Rate (Total)³	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
Total Recordable Injury Frequency Rate (Total)⁴	0.19	0.31	0.26	0.08
Occupational Illnesses				
Employee	1	7	1	0
Contractor	2	5	2	0
Total recordable Occupational Illness Frequency Rate (employees only)⁵	0.02	0.11	0.02	0.00
Security				
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
Loss of Containment - Process						
Total	353	297	256	30	34	33
API 754 Classified Materials	227	163	163	24	27	13
API 754 Classified Materials (by TIER)						
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 ¹	Brazil	Angola	North America & Equatorial Guinea	Asia
Number of offshore units (vessels)	14	14	7	3	3	1
SBM Offshore Production						
Hydrocarbon Production (tonnes)	55,914,824	44,621,370	41,338,878	10,988,770	3,388,428	198,749
Energy Consumption						
Offshore Energy Consumption – Scope 1 in GJ ²	62,746,663	55,486,649	40,358,799	16,304,135	6,027,049	56,679
Offshore Energy consumption per production ³	1.12	1.24	0.98	1.48	1.78	0.29
Onshore Energy Consumption – Scope 1 + Scope 2 in GJ ²	35,110	36,930				
Total Energy Consumption – Scope 1 + Scope 2 in GJ²	62,781,772	55,523,579				
Emissions – Offshore						
GHG Scope 1						
Carbon dioxide (CO ₂) in tonnes	5,193,405	5,766,556	2,621,690	2,147,172	420,539	4,004
Methane (CH ₄) in tonnes	11,917	18,351	2,976	8,319	623	0
Nitrous oxide (N ₂ O) in tonnes	314	309	181	105	28	0
Volume of GHG⁴	5,584,850	6,317,413	2,749,961	2,386,329	444,474	4,087
GHG per production offshore – Scope 1⁵	99.88	141.58	66.52	217.16	130.11	20.56
Flaring						
Total Gas Flared per production ⁶	10.92	21.70	3.19	40.86	8.81	NA
Gas Flared on SBM account per production ⁶	5.68	n.a. ⁷	2.95	16.82	3.25	NA
Proportion of Gas Flared on SBM account	52%	n.a. ⁷	93%	41%	37%	NA
Other/Air Pollution – Non Greenhouse Gas Emissions						
Carbon monoxide (CO) in tonnes	7,220	9,583	2,917	3,805	498	1
Nitrogen oxides (NO _x)	7,578	7,917	4,549	2,255	762	12
Sulphur dioxides (SO ₂)	7,735	12,691	53	38	7,639	5
Volatile organic compounds (VOCs)	1,268	1,988	292	909	66	0

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

2 GJ = gigajoule

3 gigajoule of energy per tonnes of hydrocarbon production

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

7 Not available due to change in methodology see section 5.1.6 for details.