



**2023** ANNUAL REPORT

**BM**  
OFFSHORE



## 5.3.2 ENVIRONMENT

	Year to Year		2023 – Regional Breakdown				
	2023	2022	Brazil	Angola	North America & Caribbean	Asia & Equatorial Guinea	Europe
Number of offshore units (vessels)	15	14	6	3	4	2	
<b>Fleet Production</b>							
Hydrocarbon Production (tonnes)	57,762,768	51,956,883	28,894,992	5,250,770	21,594,240	2,022,767	
<b>Scope 1 Emissions<sup>1</sup></b>							
GHG Scope 1 (tonnes of CO <sub>2</sub> Eq)	489	537	-	34.19	-	-	454.52
<b>Scope 2 Emissions<sup>1</sup></b>							
GHG Scope 2 (location based) (tonnes of CO <sub>2</sub> Eq)	1,811	2,039	78	253	419	542	519
GHG Scope 2 (market based) (tonnes of CO <sub>2</sub> Eq)	1,257	1,351	22	253	419	524	39
<b>Scope 3 Emissions</b>							
<b>Scope 3 – Downstream Leased Assets</b>							
Total Carbon dioxide (CO <sub>2</sub> in tonnes)	5,332,324	5,276,289	2,249,283	1,242,863	1,284,856	555,322	
Total Methane (CH <sub>4</sub> in tonnes)	10,414	10,191	2,438.29	4,637.38	2,238.67	1,100.14	
Total Nitrous oxide (N <sub>2</sub> O in tonnes)	340	337	159	62	84	35	
<b>Total GHG emissions Downstream Leased Assets (tonnes of CO<sub>2</sub> Eq)<sup>2</sup></b>	<b>5,715,701</b>	<b>5,652,555</b>	<b>2,360,695</b>	<b>1,389,138</b>	<b>1,370,225</b>	<b>595,643</b>	
Total GHG Emissions per Hydrocarbon Production <sup>3</sup>	98.95	108.79	81.7	264.56	65.65	294.47	
<i>Other / Air Pollution – Non Greenhouse Gas Emissions (in tonnes)</i>							
<i>Carbon monoxide (CO in tonnes)</i>	7,300	7,139	2,600.23	2,182.03	1,766.34	751.65	
<i>Nitrogen oxides (NOx in tonnes)</i>	9,006	8,840	4,150.07	1,444.52	2,509.40	901.77	
<i>Sulphur dioxides (SO<sub>2</sub> in tonnes)</i>	164	218	36.17	42.59	68.26	16.72	
<i>Volatile organic compounds (VOCs in tonnes)</i>	1,096	1,071	233.80	506.95	239.52	115.42	
<b>Scope 3 – Purchased Goods &amp; Service<sup>4</sup></b>	<b>179,822</b>	<b>356,056</b>					
<b>Scope 3 – Business Travel<sup>5</sup></b>	<b>30,596</b>	<b>22,927</b>	<b>9,472</b>			<b>1,665</b>	<b>19,459</b>
<b>Total GHG Emissions<sup>4</sup></b>	<b>5,927,865</b>	<b>6,033,426</b>	<b>2,370,188</b>	<b>1,389,425</b>	<b>1,370,645</b>	<b>597,832</b>	<b>19,952</b>
<b>GHG Emissions Intensity (Production)<sup>6</sup></b>	<b>98.95</b>	<b>108.79</b>	<b>81.70</b>	<b>264.56</b>	<b>65.65</b>	<b>294.47</b>	
<b>GHG Emissions Intensity (Financial)<sup>7</sup></b>	<b>1,194</b>	<b>1,228</b>					
<b>Flaring</b>							
Total Gas Flared per hydrocarbon production <sup>8</sup>	9.00	9.71	3.59	47.46	5.19	27.07	
Flaring emissions vs Total Emissions	30%	30%	6%	14%	3%	6%	

1 Due to new information and improved data quality, 2022 values for Scope 1 and Scope 2 have changed.

2 FPSO Liza Unity was sold to ExxonMobil on November 9, 2023. From that date on, its emissions are excluded from Scope 3 – Downstream Leased Assets. Furthermore, this value does not include emissions from the Normand Installer Installation vessel. Details on the impact and follow up are explained in section 5.2.2.

3 Tonnes of CO<sub>2</sub> Eq/1,000 tonnes HC production.

4 Tonnes of CO<sub>2</sub> Eq.

5 Tonnes of CO<sub>2</sub> Eq. Split per region is based on travel agency sources. Due to data aggregation in these sources, some regional data has been consolidated under region 'Europe'.

6 Tonnes of CO<sub>2</sub> Eq/1,000 tonnes of Hydrocarbon.

7 Tonnes of CO<sub>2</sub> Eq/US\$ million revenue.

8 Tonnes/1,000 Tonnes HC Production.

## 5 ESG INFORMATION

	Year to Year		2023 – Regional Breakdown				
	2023	2022	Brazil	Angola	North America & Caribbean	Asia & Equatorial Guinea	Europe
<b>Energy</b>							
Offshore Energy Processed (1) (GJ)	64,291,224	62,399,131	31,817,130	8,738,887	17,313,290	6,421,917	
Offshore Energy Processed (1) (MWh)	17,858,673	17,333,092	8,838,092	2,427,469	4,809,247	1,783,866	
Onshore Energy Consumed (2) (GJ) <sup>1</sup>	27,821	31,182	1,863	2,596	2,278	3,598	17,487
Onshore Energy Consumed (2) (MWh)	7,728	8,662	517	721	633	999	4,857
- o.w. on renewable energy contracts	2,926	3,904	371			41	2,514
Self generated renewable energy (MWh)	201	-					
Offshore Energy Processed (Intensity) <sup>2</sup>	3,598	3,528					
Onshore Energy Consumed (Intensity) <sup>2</sup>	1.56	1.76					
<b>Total Energy Processed &amp; Consumed (1) + (2) (GJ)</b>	<b>64,319,045</b>	<b>62,430,313</b>	<b>31,818,993</b>	<b>8,741,483</b>	<b>17,315,568</b>	<b>6,425,515</b>	<b>17,487</b>
Offshore Energy per production (GJ per tonne of HC production)	1.11	1.20	1.10	1.66	0.83	3.17	
<b>Discharges</b>							
Quantity of oil in produced water discharges <sup>3</sup>	3.79	3.44	2.13	8.59	0.86	46.84	

1 Due to new information and improved data quality, 2022 values for Onshore Energy consumption have changed.

2 MWh/US\$ million Revenue.

3 Tonnes of Oil in Produced Water/10<sup>6</sup> Tonnes HC Production.

### 5.3.3 HUMAN RESOURCES

#### Headcount by Direct Hire and by Contractor

	Headcount	Total		Ratios	
		Direct Hire	Contractor	% of Global Headcount	% of Contractors
Africa	878	750	128	12%	15%
Asia	1,744	1,152	592	24%	34%
Europe	2,117	1,770	347	29%	16%
North America	35	32	3	0%	9%
South America	2,642	2,231	411	36%	16%
<b>Grand Total</b>	<b>7,416</b>	<b>5,935</b>	<b>1,481</b>	<b>100%</b>	<b>20%</b> <sup>1</sup>

1 % of Contractors as part of Global Headcount.

#### Direct Hire by employee contract and employee type

	Permanent Male Employees	Permanent Female Employees	Temporary Male Employees	Temporary Female Employees	Part-Time Male Employees	Part-Time Female Employees	% of Part-Time Employees
	Africa	672	75	2	1	0	0
Asia	922	179	32	19	1	0	0%
Europe	1,200	518	37	15	46	60	6%
North America	25	7	0	0	0	0	0%
South America	1,774	345	58	54	4	5	0%
<b>Grand Total</b>	<b>4,593</b>	<b>1,124</b>	<b>129</b>	<b>89</b>	<b>51</b>	<b>65</b>	<b>2%</b> <sup>1</sup>

1 % of Part-Time Employees as part of Global Headcount.