

# Environmental performance

## Absolute emissions

Commentary on the year on year movements in absolute emissions can be found within the Taskforce for Climate Related Disclosures (TCFD) on pages 65 to 78.

tCO <sub>2</sub> e emissions by scope	2020	2021	2022	2023	Change (2022 vs. 2023)
Scope 1	514,106	657,239	830,287	<b>834,815</b>	0.5%
Scope 2	67,879	73,649	83,577	<b>79,122</b>	-5.3%
Scope 3	8,641	5,762	600,400 <sup>1</sup>	<b>497,280</b>	-17.2%
<b>Total</b>	<b>590,626</b>	<b>736,650</b>	<b>1,514,264</b>	<b>1,411,217</b>	<b>-6.8%</b>

<sup>1</sup> The Group completed a full baseline assessment of Group-wide Scope 3 emissions for the first time during the prior year and included all relevant categories in the 2022 and 2023 numbers. Prior to 2022, scope 3 included only business travel, waste, water and certain other upstream emissions.

tCO <sub>2</sub> e emissions by division	2020	2021	2022 <sup>1</sup>	2023	Change (2022 vs. 2023)
ALSA	234,477	368,714	712,900	<b>696,851</b>	-2.3%
Bahrain	20,214	17,810	23,946	<b>29,898</b>	24.9%
Germany	52,347	58,939	122,486	<b>105,651</b>	-13.7%
United Kingdom	142,769	147,789	288,524	<b>256,900</b>	-11.0%
USA and Canada	140,168	142,800	362,514	<b>318,590</b>	-12.1%
Central Functions	569	598	3,894	<b>3,327</b>	-14.6%
<b>Group total</b>	<b>590,544</b>	<b>736,650</b>	<b>1,514,264</b>	<b>1,411,217</b>	<b>-6.8%</b>

<sup>1</sup> The Group completed a full baseline assessment of Group-wide Scope 3 emissions for the first time during the prior year and included all relevant categories in the 2022 and 2023 numbers. Prior to 2022, scope 3 included only business travel, waste, water and certain other upstream emissions.

## Scope 3 by category

Category	2022 Absolute emissions (tCO <sub>2</sub> e)	2023 Absolute emissions (tCO <sub>2</sub> e)	2023 % of total scope 3	% change from 2022
1. Purchased goods & services	221,783	<b>138,835</b>	<b>27.9%</b>	-37.4%
2. Capital goods	92,680	<b>92,435</b>	<b>18.6%</b>	-0.3%
3. Upstream fuel and energy production and distribution	214,893	<b>201,723</b>	<b>40.6%</b>	-6.1%
4. Upstream transportation & distribution	N/A	<b>N/A</b>	<b>N/A</b>	N/A
5. Waste and water	1,967	<b>683</b>	<b>0.1%</b>	-65.3%
6. Business travel	2,349	<b>2,390</b>	<b>0.5%</b>	1.7%
7. Employee commuting	41,819	<b>43,062</b>	<b>8.7%</b>	3.0%
8. Upstream leased assets	10,543	<b>15,533</b>	<b>3.1%</b>	47.3%
9. Downstream transportation & distribution	N/A	<b>N/A</b>	<b>N/A</b>	N/A
10. Processing of sold products	N/A	<b>N/A</b>	<b>N/A</b>	N/A
11. Use of sold products	N/A	<b>N/A</b>	<b>N/A</b>	N/A
12. End-of-life treatment of sold products	N/A	<b>N/A</b>	<b>N/A</b>	N/A
13. Downstream leased assets	1,118	<b>1,194</b>	<b>0.2%</b>	6.8%
14. Franchises	N/A	<b>N/A</b>	<b>N/A</b>	N/A
15. Investments	13,248	<b>1,425</b>	<b>0.3%</b>	-89.2%
<b>Total</b>	<b>600,400</b>	<b>497,280</b>	<b>100.0%</b>	<b>-17.2%</b>

## Environmental performance continued

### Intensity metrics

	2020	2021	2022	2023 (2022 vs. 2023)	
Group totals (million pass.km)	24,656	28,932	37,804	<b>38,776</b>	2.6%
Traction Carbon Emissions (Scope 1 & 2) tCO <sub>2</sub> e/mpkm	22.28	24.15	23.38	<b>22.84</b>	-2.3%
Total tCO <sub>2</sub> e per million pass.km (Scope 1, 2 & 3)	23.93	25.34	40.06	<b>36.39</b>	-9.2%

### Emissions reporting methodology

The method we have used to calculate GHG emissions is the GHG Protocol Corporate Accounting and Reporting Standard (revised edition), together with appropriate emission factors taken from recognised public sources including, but not limited to, the Department for Business, Energy & Industrial Strategy (BEIS), Defra, the International Energy Agency, the US Energy Information Administration, the US Environmental Protection Agency and the Intergovernmental Panel on Climate Change.

The Group has an operational control boundary covering 100% of its business activities, and we have used a materiality threshold of 5%, have accounted for all material sources of GHG emissions and have reported emissions for the period 1 January 2023 to 31 December 2023 in line with our Financial Statements.

We are committed to ensuring that our GHG accounting system, results and accompanying reports remain robust, continue to enhance our Group-level emission performance year-on-year and are in compliance with the mandatory requirements of the Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018 (which Regulations implement the Government's policy on Streamlined Energy and Carbon Reporting (SECR)).

### Streamlined Energy and Carbon Reporting

SECR regulations require the reporting (in MWh rather than tCO<sub>2</sub> in line with existing standards) of the aggregate of:

- the annual quantity of energy consumed from activities for which the Company is responsible, including the combustion of fuel and the operation of any facility; and
- the annual quantity of energy consumed resulting from the purchase of electricity, heat, steam or cooling by the Company for its own use.

MWh by division	2022	2023
ALSA	1,566,970	<b>1,707,075</b>
USA and Canada	815,442	<b>782,395</b>
United Kingdom	622,607	<b>681,416</b>
Germany	196,221	<b>199,759</b>
Bahrain	56,081	<b>66,061</b>
All	3,257,321	<b>3,436,706</b>
Energy consumed from the activities for which the Company is responsible, including the combustion of fuel and the operation of any facility	3,012,927	<b>3,181,141</b>
Energy consumed resulting from the purchase of electricity, heat, steam or cooling	244,394	<b>255,565</b>
All	3,257,321	<b>3,436,706</b>

Proportion of figure that relates to energy consumed in the UK and offshore area	2022	2023
Offshore	2,634,714	<b>2,775,289</b>
United Kingdom	622,606	<b>681,416</b>
UK proportion	19%	<b>20%</b>