

CORPORATE CARBON FOOTPRINT REPORT

2024



INFORMATION

Preamble: For reasons of readability, the masculine form is used in this text. This includes all genders and is chosen without any intention to discriminate.

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Standards

GHG Protocol Corporate Accounting and Reporting Standard
GHG Protocol Scope 2 Guidance

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DESCRIPTION OF THE COMPANY AND IN- VENTORY BOUNDARY

1.1 COMPANY PROFILE

ANSMANN AG, founded in 1991 by Edgar ANSMANN, is a globally recognized family-owned company headquartered in Assamstadt, Germany. With over 400 employees worldwide, including approximately 250 at its main site, ANSMANN specializes in the development, production, and distribution of mobile energy solutions. Their product portfolio encompasses standardized and customized (rechargeable) batteries, power supplies, charging and drive systems, as well as lighting technology. The company operates through two primary divisions: „Consumer“, focusing on retail products, and „Industrial“, offering tailored energy solutions for various industries.

ANSMANN has eight subsidiaries worldwide, as shown in table 1.

Table 1: Subsidiaries and locations of ANSMANN

Subsidiary	Location
ANSMANN Energy International Ltd.	Kwun Tong, Kowloon, Hong Kong
ANSMANN Trading Co. Ltd.	Huizhou City, Guangdong, China
ANSMANN Electronics Co. Ltd.	Huizhou City, Guangdong, China
ANSMANN UK Ltd.	Harlow, Essex, Great Britain
Mobile Energy GmbH	Assamstadt, Germany
ANSMANN Energy SARL	Lieusaint, France
HYCELL GmbH	Assamstadt, Germany
ANSMANN Nordic AB	Bromma, Sweden

1.2 INVENTORY BOUNDARY

This report includes the Scope 1, Scope 2, and Scope 3 (Category 8: Upstream Leased Assets) emissions of the corporate carbon footprint of ANSMANN AG. Scope 3 Category 8 covers upstream leased assets, specifically the leased car fleets operated by ANSMANN AG (Germany, 55 vehicles), ANSMANN Electronics Co. Ltd. (China, 3 vehicles), and ANSMANN Energy France SARL (France, 2 vehicles). All three fleets are classified under operating leases and, under the financial control consolidation approach, are reported in Scope 3 Category 8 in accordance with the GHG Protocol Corporate Standard.

All six greenhouse gases of the Kyoto protocol (CO₂, CH₄, N₂O, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), SF₆) and NF₃ were considered. Biogenic carbon emissions are disclosed separately. Emissions are converted to tons of CO₂-equivalents (tCO₂e).

1.3 REPORTING PERIOD

The **reporting year is 2024**, so the data was collected for the period from January to December 2024. In the reporting period ANSMANN AG had 400 employees and a turnover of 70.14 Mio.€.

1.4 CONSOLIDATION APPROACH

The **financial control approach** for consolidation is chosen because it aligns with ANSMANN's financial reporting structure and accurately reflects the company's ability to direct financial and operational policies across its subsidiaries and facilities. All subsidiaries listed in Table 1 are under 100% financial control of ANSMANN AG and are fully accounted for in this report. This method ensures consistency with financial accounting standards, simplifies data collection, and provides a comprehensive view of the company's climate impact, supporting effective sustainability management and target setting.

1.5 DATA COLLECTION APPROACH

Inventory data was collected and provided following a structured and transparent approach, e.g., by using internal reporting systems. Data from subsidiaries was collected using Microsoft Excel questionnaires. A standardized template was used to ensure consistency across global sites.

Internal audits were performed by ANSMANN using data management tool created by partner, EuRA. The data and emission factors were compiled together in the data management tool.

1.6 COVERED ACTIVITIES

All subsidiaries and sites of ANSMANN AG are included in the calculations and the report. The covered activities include office heating and cooling, the car fleet and electricity consumption at all locations.

1.7 EXCLUSION OF SOURCES, FACILITIES AND/OR OPERATIONS AND ASSUMPTIONS

For Assamstadt (Germany) no exclusions were made, only no distinction was made between the business units ANSMANN AG, Mobile Energy GmbH and HYCELL GmbH. Part of the heating is provided by geothermal energy for which no emission data was available.

The server room of ANSMANN Energy International Ltd. in Hong Kong has an air conditioning system which is paid by the hour. Therefore, no energy consumption was available, and it was excluded from the calculations.

ANSMANN Electronics Co. Ltd. has a waste gas tower in operation in China. Since no information on the waste gas composition was available, the emissions were excluded. Moreso, the type of fuel was not specified, hence gasoline was presumed. The emissions of ANSMANN Trading Co. Ltd. are included with ANSMANN Electronics Co. Ltd.

For the office of ANSMANN Energy France SARL in France heating and cooling energy is paid as part of the occupancy costs. Therefore, no energy consumption was available, and it was excluded from the calculations.

The location in Sweden (ANSMANN Nordic AB) consists only of a postbox and no office. All employees are working remote; therefore, no Scope 1 and 2 emissions occur.

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CALCULATION & RESULTS

2.1 SCOPE 1 EMISSIONS

The total Scope 1 emissions amount to 151.0 tCO₂e. Following the GHG Protocol financial control approach, leased vehicle fleets (operating leases) have been reclassified from Scope 1 to Scope 3 Category 8. The remaining Scope 1 sources comprise stationary combustion (building heating at Assamstadt, DE and Harlow, GB) and a small number of UK-based company cars whose lease status was not confirmed and therefore provisionally retained in Scope 1. The breakdown in emission sources and greenhouse gases in tCO₂e is shown in Table 2 and the emissions for the different locations are shown in Table 3.

Table 2: Breakdown of Scope 1 emissions in sources and greenhouse gases

Scope 1	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NF ₃	CO ₂ e	bio-CO ₂
all values in tCO ₂ e									
Direct emissions from stationary combustion	144.7	0.1	0.1	/	/	/	/	144.7	0.0
Direct emissions from mobile combustion	6.3	/	/	/	/	/	/	6.3	0.2
Direct emissions from process emissions	/	/	/	/	/	/	/	/	/
Direct emissions from fugitive emissions	/	/	/	/	/	/	/	/	/
Total	151.0	0.1	0.1	/	/	/	/	151.0	0.2

Table 3: Scope 1 emissions of ANSMANN's locations

Scope 1	Total [tCO ₂ e]	Percentage
Assamstadt, Germany	108.0	71 %
Kwun Tong, Kowloon, Hong Kong	0.0	0 %
Huizhou City, Guangdong, China	0.0	0 %
Harlow, Essex, Great Britain	43.1	29 %
Lieusaint, France	0.0	0 %
Bromma, Sweden	0.0	0 %
Total	151.0	100 %

The Scope 1 emissions are driven by stationary combustion at two sites: heating at Assamstadt, Germany (108.0 tCO₂e / 71.5%) and heating plus small car-use emissions at Harlow, Great Britain (43.1 tCO₂e / 28.5%). Note: the German and Chinese leased vehicle fleets – previously the largest Scope 1 contributors – have been reclassified to Scope 3 Category 8 in this corrected report (see Scope 3 section below). The French leased fleet is also now reported in Scope 3.

2.2 SCOPE 2 EMISSIONS

The total location-based Scope 2 emissions amount to 848.3 tCO₂e. The increase vs. the preliminary figure is primarily due to an updated German grid electricity emission factor: the UBA 2025 value of 0.372 kgCO₂/kWh was applied (previously 0.329 kgCO₂/kWh from EEA). Part of the electricity consumption in Assamstadt is sourced as green electricity from on-site photovoltaics; therefore the market-based Scope 2 emissions amount to 741.6 tCO₂e. Table 4 summarises the Scope 2 energy consumption and emissions, Table 5 shows the contribution by location.

Note: The market-based (MB) total of 741.6 tCO2e exceeds the sum of by-location MB values (718.9 tCO2e). The gap of 22.7 tCO2e relates to green electricity certificate credits in Assamstadt that could not be fully attributed to individual site rows in the Overview formula. The MB total of 741.6 tCO2e is the authoritative figure.

Table 4: Summary of the Scope 2 emissions

Scope 2	Electricity	Steam	Heat	Cooling	Total
Total consumption (purchased+own production) [MWh]	1,468.4	/	356.0	/	1,830.2
Consumption/import from grid (purchased) [MWh]	1,468.4	/	356.0	/	1,830.2
Total generation (own production) [MWh]	286.6	/	0.0	/	286.6
Consumption (own production) [MWh]	0.0	/	0.0	/	0.0
Export to grid (own production) [MWh]	286.6	/	0.0	/	286.6
Location-based method [tCO2e]	848.3	/	36.7	/	848.3
Market-based method [tCO2e]	741.6	/	36.7	/	741.6
Share of consumption with actual contractual information	19.5 %	/	0.0 %	/	/

The main contributor to Scope 2 emissions is Huizhou, China (534 tCO2e / 63% of total Scope 2 LB). Although electricity consumption in Assamstadt is higher in absolute terms, the emission factor for the Chinese grid is significantly higher. Assamstadt's market-based Scope 2

emissions are substantially lower (186 tCO2e) due to the on-site PV generation and green electricity certificates offsetting part of the consumption.

Table 5: Scope 2 emissions of ANSMANN's locations

Scope 2	Location-based [tCO2e]	Percentage	Market-based [tCO2e]	Percentage
Assamstadt, Germany	292.7	35 %	186.0	25 %
Kwun Tong, Kowloon, Hong Kong	13.1	2 %	13.1	2 %
Huizhou City, Guangdong, China	534.0	63 %	511.2	69 %
Harlow, Essex, Great Britain	8.6	1 %	8.6	1 %
Lieusaint, France	0.0	0 %	0.0	0 %
Bromma, Sweden	0.0	0 %	0.0	0 %
Total	848.3	100 %	741.6	100 %

2.3 SCOPE 3 EMISSIONS – CATEGORY 8: UPSTREAM LEASED ASSETS

Under the GHG Protocol financial control consolidation approach, operating leases are classified as Scope 3 Category 8 (Upstream Leased Assets). In 2024, three leased vehicle fleets are reported under this category: the ANSMANN AG fleet in Germany (55 vehicles), the ANSMANN Electronics Co. Ltd. fleet in China (3 vehicles), and the newly added ANSMANN Energy France SARL fleet (2 vehicles). The total Scope 3 Category 8 emissions amount to 157.2 tCO2e.

Table 6: Scope 2 emissions of ANSMANN's locations

Fleet / Location	Vehicles	tCO2e
ANSMANN AG fleet	55	137.7
AEHZ CN fleet	3	10.5
AEF FR fleet	2	9.0
Total	60	157.2

Note on UK vehicles: Seven vehicles operated by Ansmann UK Ltd. (Harlow, GB) are provisionally retained in Scope 1 because their lease status was not confirmed. If confirmed as operating leases, these vehicles (~6.3 tCO2e) should be reclassified to Scope 3 Category 8 in a future update.

Table 7: Scope 3 Category 8 – Upstream Leased Assets by location

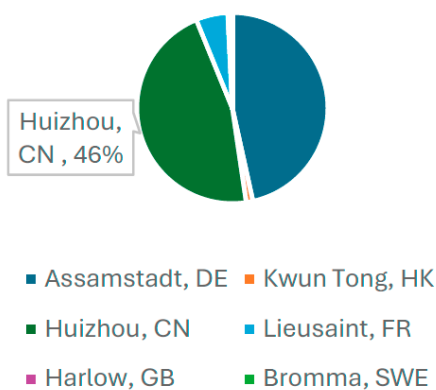
Scope 1	Total [tCO2e]	Percentage
Assamstadt, Germany	137.7	88 %
Kwun Tong, Kowloon, Hong Kong	0.0	0 %
Huizhou City, Guangdong, China	10.5	7 %
Harlow, Essex, Great Britain	0.0	0 %
Lieusaint, France	9.0	5 %
Bromma, Sweden	0.0	0 %
Total	157.2	100 %

2.4 SUMMARY AND KPIS

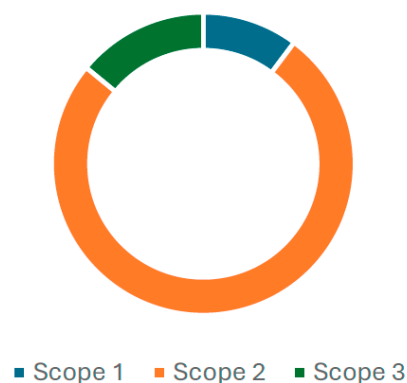
The total Scope 1 and 2 (location-based) emissions sum up to 999.3 tCO₂e. Including Scope 3 Category 8 (upstream leased assets), the total footprint is 1156.5 tCO₂e (location-based) or 1049.8 tCO₂e (market-based). Converted to the number of employees and turnover, the total Scope 1+2+3 intensity is 2.61 tCO₂e/employee and 16.5 tCO₂e/Mio. € turnover.

Figure 1 & 2: Share of Scope 1, 2 location-based emissions and Scope 3 Upstream emissions in total emissions and share of locations in total emissions

share of locations in total emissions



Share of Scope 1 and 2 emissions in total emissions



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BASE YEAR SELECTION AND EMISSIONS PROFILE OVER TIME

3.1 BASE YEAR

The base year 2023 selected remains as the integral baseline for structural evaluation. This year was chosen due to the availability of high-quality and nearly complete data, ensuring a reliable baseline for tracking emissions trends and reduction progress. The emissions profile over time will be updated annually to reflect changes in operations, energy consumption, and efficiency measures.

To maintain consistency and comparability, ANSMANN follows a base year recalculation policy in accordance with the GHG Protocol. This ensures that structural changes affecting emissions –such as acquisitions, divestitures, or methodological improvements– do not distort long-term tracking of climate performance.

3.2 TRIGGERS FOR BASE YEAR EMISSIONS RECALCULATION

Base year emissions will be recalculated in cases of significant structural changes that impact the company's emissions profile (>10% of total emissions). The following triggers have been defined:

a. Acquisitions & Divestitures:

If ANSMANN acquires or sells a business unit that contributes significantly to the overall footprint, base year emissions will be adjusted accordingly.

Outsourcing & Insourcing: Shifts in production processes or supply chain responsibilities that lead to substantial changes in Scope 1, 2, or 3 emissions will trigger a recalculation.

b. Changes in reporting boundaries:

If new subsidiaries or sites are included due to financial control adjustments, historical emissions will be adjusted for comparability.

c. Methodological changes:

If updates in calculation methodologies, emission factors, or data collection techniques significantly alter reported emissions, the base year will be revised to maintain consistency.

Operational fluctuations, such as efficiency improvements or small-scale investments, will not trigger base year recalculations. Furthermore, closure of production lines, which are not outsourced, will not trigger base year recalculations. This approach ensures that ANSMANN's emissions reporting remains transparent, consistent, and aligned with international best practices.

3.3 EMISSIONS COMPARISON: 2024 VS. 2023 BASE YEAR

Table 8 compares 2024 emissions against the 2023 base year. Note that 2023 figures are reported as originally submitted (leased vehicle emissions included in Scope 1), while 2024 applies the corrected GHG Protocol classification (leased vehicles in Scope 3 Category 8). A restated 2023 figure is provided for like-for-like Scope 1 comparison.

Table 8: Emissions comparison 2024 vs. 2023 base year

Scope / KPI	2024 [tCO2e]	2023 original [tCO2e]	2023 recalculated* [tCO2e]	Δ 2024 vs. 2023 restated
Scope 1 (direct emissions)	151.0	325.0	151.7	-0.7
Scope 2 – location-based	848.3	623.2	623.2	+225.1
Scope 2 – market-based	741.6	529.7	529.7	+211.9
Scope 3 Cat. 8 (upstream leased)	157.2	– (not reported)	173.2	-16.0
Total S1 + S2 (location-based)	999.3	948.2	948.2	+51.1
Total S1 + S2 + S3 (location-based)	1156.5	– (S3 not reported)	948.2	+208.3
Total S1 + S2 + S3 (market-based)	1049.8	–	–	–

* 2023 recalculated: Scope 1 reduced by ~173 tCO2e (DE fleet 156.7 tCO2e + CN fleet 16.5 tCO2e reclassified to Scope 3 Cat. 8). Total emissions unchanged at 948.2 tCO2e. Source: CCF Ansmann AG, EurA AG, v1.0 [2023].

The 2024 Scope 1 reduction of -0.7 tCO2e vs. 2023 restated reflects largely stable stationary combustion and vehicle usage. The Scope 2 increase (+225.1 tCO2e LB) is mainly driven by higher Chinese electricity consumption and the updated German grid emission factor (UBA 2025: 0.372 kgCO2/kWh). The total footprint including Scope 3 increased by +208.3 tCO2e (+22%) compared to the 2023 restated total, driven primarily by higher Scope 2 emissions in China.

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