



**Corporate Carbon
Footprint (CCF) report**
of
Ansmann AG
for
2023

Information

Company contact	Maren Hack, Ansmann AG Industriestraße 10, D-97959 Assamstadt, Germany https://www.ansmann.de/
Report prepared by	Levin Winzinger, Daniel Habermeier, EurA AG Krämpferstraße 2, D-99084 Erfurt, Germany https://www.eura-ag.com/
Standards	GHG Protocol Corporate Accounting and Reporting Standard GHG Protocol Scope 2 Guidance
Reporting year	2023
Date of report	20.02.2025
Version	1.0

Table of contents

1. Description of the company and inventory boundary	3
Company profile	3
Inventory boundary.....	3
Reporting period	3
Consolidation approach	3
Data collection approach	4
Covered activities	4
Exclusion of sources, facilities and/or operations and assumptions	4
2. Results.....	5
Scope 1 emissions	5
Scope 2 emissions	5
Summary and KPIs.....	6
3. Base year selection and emissions profile over time	7
Base year.....	7
Triggers for base year emissions recalculation.....	7

1. Description of the company and inventory boundary

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 AG

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

Inventory boundary

This report includes the **Scope 1 and 2** emissions of the corporate carbon footprint of Ansmann AG. Scope 3 emissions are not included.

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).

Reporting period

The **reporting year is 2023**, so the data was collected for the period from January to December 2023. In the reporting period Ansmann AG had 443 employees and a turnover of 74.5 Mio. €.

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 Ansmann's climate impact, supporting effective sustainability management and target setting.

Data collection approach

Inventory data was collected and provided by Ansmann 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 and external cross-checks were performed by EurA to enhance the reliability of the data.

The data and emission factors were compiled together in the data management plan.

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.

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. Fuel consumption of the car fleet was only available for 2024, therefore the same amount was assumed for 2023. Since also the type of fuel was not specified, gasoline was presumed. The emissions of Ansmann Trading Co. Ltd. are included with Ansmann Electronics Co. Ltd.

Likewise, data for the car fleet of Ansmann UK Ltd. was only available for 2024 and the same values were assumed for 2023.

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.

2. Results

Scope 1 emissions

The total Scope 1 emissions amount to **325.0 tCO₂e**. 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. The disclosure of greenhouse gas emissions in metric tons is not available, since the chosen emission factors only contain data in CO₂e. Direct greenhouse gas emissions of CH₄, N₂O, HFCs, PFCs, SF₆ or NF₃ are not present at the sites and hence not measured.

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

Scope 1 all values in tCO ₂ e	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NF ₃	CO ₂ e	bio- CO ₂
Direct emissions from stationary combustion	144.9	0.1	0.1	/	/	/	/	145.1	/
Direct emissions from mobile combustion	179.8	0.0	0.1	/	/	/	/	179.9	0.8
Direct emissions from process emissions	/	/	/	/	/	/	/	/	/
Direct emissions from fugitive emissions	/	/	/	/	/	/	/	/	/
Total	324.7	0.1	0.2	/	/	/	/	325.0	0.8

Table 3: Scope 1 emissions of Ansmann's locations

Scope 1	Total [tCO ₂ e]	Percentage
Assamstadt, Germany	265.4	82%
Kwun Tong, Kowloon, Hong Kong	0.0	0%
Huizhou City, Guangdong, China	16.6	5%
Harlow, Essex, Great Britain	43.0	13%
Lieusaint, France	0.0	0%
Bromma, Sweden	0.0	0%
Total	325.0	100%

Main contributors to the Scope 1 emissions are the car fleet in Germany (156.7 tCO₂e / 48%) and the heating via natural gas in Assamstadt (108.8 tCO₂e / 33%). For China all emissions stem from the car fleet, in Great Britain 84% of the emissions are related to the heating via natural gas.

Scope 2 emissions

The total location-based Scope 2 emissions amount to **623.2 tCO₂e**. Part of the electricity consumption in Assamstadt is sourced as green electricity from photovoltaics, therefore the market-based Scope 2 emissions only amount to **529.7 tCO₂e**. Table 4 sums up the Scope 2 emissions and energy consumption and Table 5 shows the contribution of the different locations.

Table 4: Summary of the Scope 2 emissions

Scope 2	electricity	steam	heat	cooling	Total
Total consumption (purchased+own production) [MWh]	1,020.3	/	358.6	/	1,378.9
Consumption/import from grid (purchased) [MWh]	1,020.3	/	358.6	/	1,378.9
Total generation (own production) [MWh]	284.2	/	0.0	/	284.2
Consumption (own production) [MWh]	0.0	/	0.0	/	0.0
Export to grid (own production) [MWh]	284.2	/	0.0	/	284.2
Location-based method [tCO₂e]	623.2	/	0.0	/	623.2
Market-based method [tCO₂e]	529.7	/	0.0	/	529.7
Share of consumption with actual contractual information	27.9%	/	0.0%	/	/

Table 5: Scope 2 emissions of Ansmann's locations

Scope 2	location-based [tCO ₂ e]	Percentage	market-based [tCO ₂ e]	Percentage
Assamstadt, Germany	138.6	22%	45.1	9%
Kwun Tong, Kowloon, Hong Kong	14.7	2%	14.7	3%
Huizhou City, Guangdong, China	461.4	74%	461.4	87%
Harlow, Essex, Great Britain	8.5	1%	8.5	2%
Lieusaint, France	0.0	0%	0.0	0%
Bromma, Sweden	0.0	0%	0.0	0%
Total	623.2	100%	529.7	100%

Main contributor to the Scope 2 emissions is the location in Huizhou. While electricity consumption at this location is only 25 % higher than in Assamstadt, the emission factor is significantly higher at over 2.5 times.

Summary and KPIs

The total Scope 1 and 2 (location-based) emissions sum up to **948.2 tCO₂e**. Figure 1 shows the share of Scope 1 and 2 emissions in total emissions and the share of the different locations in the total emissions. Converted to the number of employees and turnover this results in 2.14 tCO₂e/employee and 12.73 tCO₂e/Mio. € turnover.

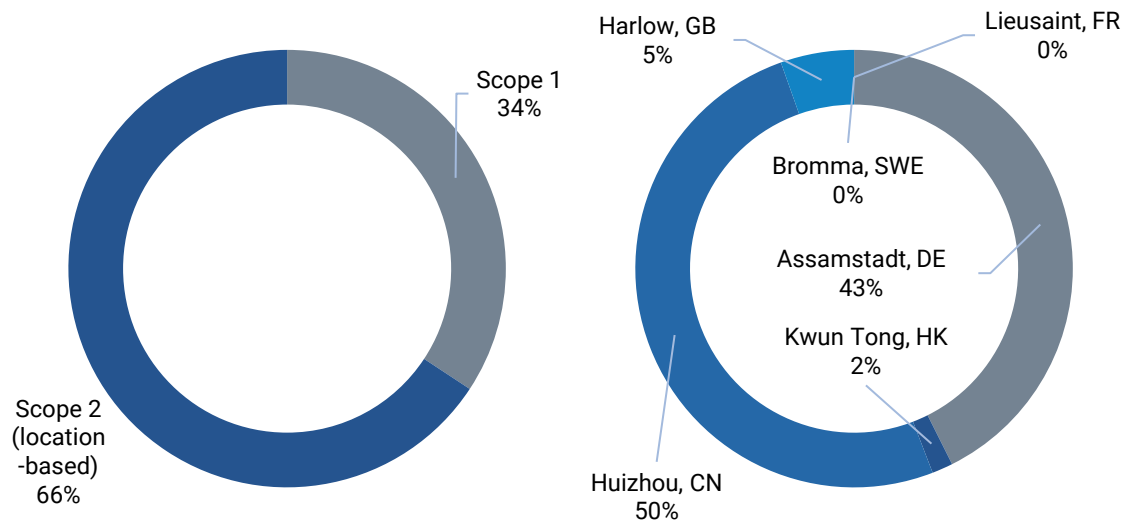


Figure 1: Share of Scope 1 and 2 emissions in total emissions and share of locations in total emissions

3. Base year selection and emissions profile over time

Base year

Ansmann has selected 2023 as the base year. 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.

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:

1. Acquisitions & Divestitures:

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

2. 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.

3. Changes in reporting boundaries:

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

4. 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.