

Scheidt & Bachmann UK Carbon Reduction Plan

01 Jan 2024 – 31 Dec 2024

Published 21 May 2025



An introduction to Scheidt & Bachmann UK

Scheidt & Bachmann UK is part of the Scheidt & Bachmann GMBH, a global, family-owned company founded in Germany in 1872. In the UK, our operations span two key areas: smart parking solutions and fare collection systems. Our heritage, technical know-how, and deep-rooted commitment to innovation position us as leaders in intelligent mobility and sustainable transportation systems.

In response to the pressing global challenge of climate change, Scheidt & Bachmann UK is committed to achieving Net Zero emissions by 2045.

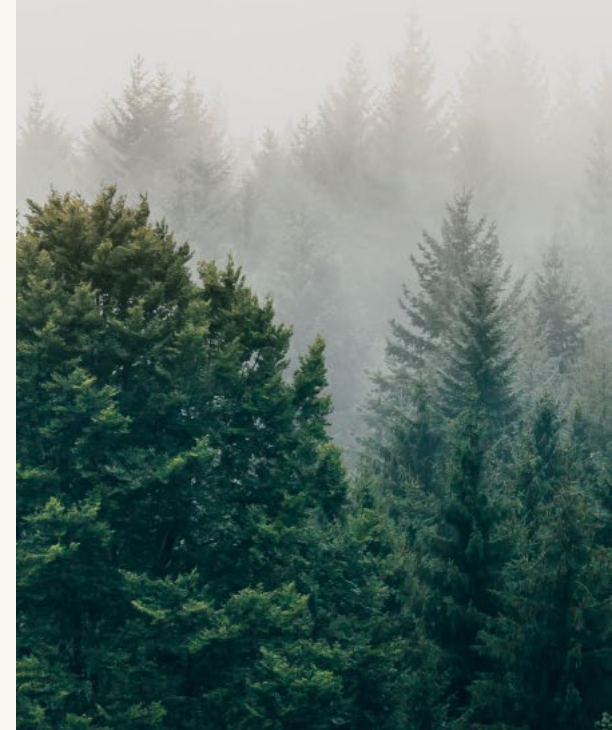
As such, Scheidt & Bachmann UK has engaged in the following project to calculate, report, and identify opportunities to reduce its greenhouse gas (GHG) emissions.

This report, in accordance with PPN 06/21, details the results of Scheidt & Bachmann UK's baseline GHG inventory, which quantified GHG emissions across the reporting period of 01 Jan 2024 - 31 Dec 2024. Also documented is Scheidt & Bachmann UK's long-term strategy to monitor, manage, and minimise its environmental impact in alignment with achieving its ambitious Net Zero commitment.

This report was prepared with the support of Ecologi to ensure that emissions were quantified in alignment with the [Greenhouse Gas Protocol Corporate Accounting and Reporting Standard](#) and supplementary [Corporate Value Chain \(Scope 3\) Standard](#).

Ecologi

Ecologi is a leading climate action platform specialising in emissions measurement, reduction, and reporting, as well as helping businesses fund high impact, high integrity climate solutions. Ecologi equips businesses with the expertise and tools to curate and implement emissions reduction strategies on their journey to net zero.



2024 Carbon Reduction Plan

Methodology

Scheidt & Bachmann UK was responsible for the internal management controls governing the collection and entry of data for processing. The subsequent emissions calculations and this report were generated with the support of Ecologi in accordance with the [Greenhouse Gas Protocol Corporate Accounting and Reporting Standard](#) and supplementary [Corporate Value Chain \(Scope 3\) Standard](#).

Emissions have been calculated using the appropriate UK emission conversion factors published annually by the UK government, Department for Energy Security and Net Zero (DESNZ). These are supplemented by emissions factors from Small World Consulting's environmentally extended MRIO dataset, used for spend-based emissions calculations. The methodology for homeworking emissions aligns with Anthesis' published in their 2021 White Paper.

Reported emissions figures are expressed as tonnes of carbon dioxide equivalent (tCO₂e) and include GHG emissions from all seven GHGs named by the Kyoto

Protocol: CO₂, N₂O, CH₄, HFCs, PFCs, SF₆ and NF₃.

The GHG inventory assesses emissions for the reporting period 01 Jan 2024 – 31 Dec 2024. This is the first year for which a GHG inventory has been compiled by Scheidt & Bachmann UK and, therefore, constitutes its base year – the reference point against which all future emissions reductions will be measured.

The boundary of the report includes all UK-based operations¹ during the reporting period. An operational control approach has been adopted, and emissions are categorised within the relevant Scope, as prescribed by the GHG Protocol.

Scope 1 and Scope 2 emissions have been reported in accordance with [SECR](#) requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published [reporting standard for Carbon Reduction Plans](#) and the [Corporate Value Chain \(Scope 3\) Standard](#).

Greenhouse Gas Inventory – 01 Jan 2024 – 31 Dec 2024

Scope	Emissions	Total (tCO ₂ e)
Scope 1	Stationary combustion	9.08
	Mobile combustion	372.03
	Process emissions	0
	Fugitive emissions	0
	Total – Scope 1	381.11
Scope 2	Purchased electricity (market-based)	6.35
	Purchased electricity (location-based)	20.10
	Purchased steam, heating and cooling	0.00
	Total – Scope 2 (Market-based)	6.35

Scope	Emissions	Total (tCO ₂ e)
Scope 3 ²	Upstream transportation and distribution	70.72
	Waste generated in operations	1.25
	Business travel	255.05
	Employee commuting (including homeworking)	16.05
	Downstream transportation and distribution	0
	Total – Scope 3	343.07
Total		730.53

1. A company has operational control over an operation if it, or one of its subsidiaries, has the full authority to introduce and implement its operating policies at the operation. Under the operational control approach, a company accounts for 100% of emissions from operations where it has operational control.

2. Scope 3 categories reported on include the required subset of Scope 3 emissions in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

Total emissions

730.53 tCO₂e

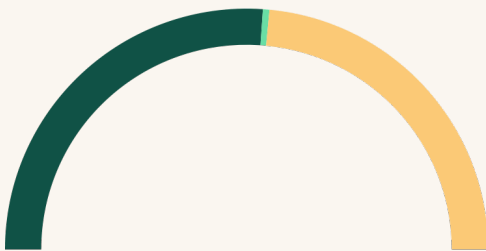
Revenue emissions intensity

37.48 tCO₂e
per £1m revenue

FTE emissions intensity

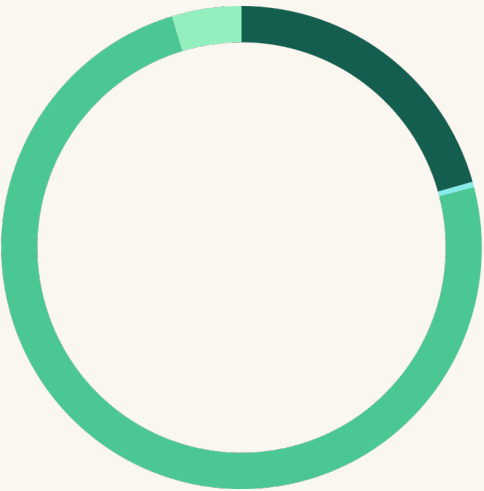
4.87 tCO₂e
per FTE

2024 Scope breakdown



●	Scope 1	381.11 tCO ₂ e
●	Scope 2	6.35 tCO ₂ e
●	Scope 3	343.07 tCO ₂ e

Scope 3 emissions by category



●	Upstream transportation and distribution	70.72 tCO ₂ e
●	Waste generated in operations	1.25 tCO ₂ e
●	Business travel	255.05 tCO ₂ e
●	Employee commuting (including homeworking)	16.05 tCO ₂ e
●	Downstream transportation and distribution	0 tCO ₂ e

Emissions Management



The following emissions management measures are already in place as Scheidt & Bachmann UK works towards net zero.



Engaging with suppliers

Scheidt & Bachmann UK's supplier Engagement Form outlines its commitment to Net Zero and encourages sustainability improvements. Scheidt & Bachmann UK aims to simplify reporting by reducing supplier numbers, particularly in waste and logistics. Updating supplier onboarding to prioritize emissions data is a key next step.

Scheidt & Bachmann UK collects emissions data from logistics partners and is assessing reporting for multi-drop suppliers.



Sustainable travel and employee commuting

Scheidt & Bachmann UK has trialled electric vans but found infrastructure limiting currently. An EV salary sacrifice scheme is in place, and a cycle-to-work initiative is being explored.

As a hybrid company, Scheidt & Bachmann UK also encourages virtual meetings and public forms of transport to reduce travel emissions where appropriate. Scheidt & Bachmann UK is exploring a Sustainable Travel Policy to formalise its approach.



Energy efficiency and office sustainability

Scheidt & Bachmann UK is upgrading all offices to LED lighting, with Stockport already complete, Chessington is nearly 100% LED, and Manchester following soon. Scheidt & Bachmann UK implements daily office shutdowns and use motion sensors and timers to cut energy waste.

Scheidt & Bachmann UK is assessing the feasibility of SMART energy systems and have improved insulation in Chessington. An energy audit is planned to identify further efficiency opportunities.



Sustainability data management

Scheidt & Bachmann UK plans to enhance emissions reporting and data accuracy year on year through steps such as

- centralising business travel data through Travel Perks
- simplifying emissions data management by reducing the number of suppliers in material business areas such as logistics.

As its knowledge and tools evolve, Scheidt & Bachmann remains committed to continuous improvement leveraging insights to drive measurable progress toward sustainability.

Climate Action Plan

Scheidt & Bachmann UK is committed to embedding practices within its business to mitigate environmental impact. The following strategy outlines further **decarbonisation interventions contributing to Scheidt & Bachmann UK's roadmap for achieving net zero across the entire value chain. Specific reference is given to emissions hotspots and priority areas identified within the emissions inventory published above. Interventions include both short and long-term actions dedicated to the pursuit of the overarching net zero ambition.**

1 Electrify fleet where possible and appropriate

Scheidt & Bachmann UK is working to remove business policy barriers, including mileage restrictions on EV fleet decisions, to facilitate the adoption of electric vehicles across business operations.

Scheidt & Bachmann UK will continue assessing the suitability of electric vans for field service, recognising that current range and infrastructure limitations present operational challenges. As technology evolves, Scheidt & Bachmann UK will reassess opportunities to transition more of its fleet to electric.

2 Improve emissions data accuracy and management

Scheidt & Bachmann UK plans to strengthen data collection across several emissions sources to improve the accuracy of its footprint assessment. Scheidt & Bachmann UK aims to incorporate procurement-related emissions and employee commuting data into its GHG footprinting to provide a more comprehensive view of its impact.

Business travel data will be centralised through Travel Perks with additional granularity on journey details.

Additionally, Scheidt & Bachmann UK is exploring supplier consolidation in areas like waste and logistics to simplify emissions reporting.

3 Travel sustainably

Scheidt & Bachmann UK will formalise a Sustainable Travel Policy to define when different transport modes should be used, balancing emissions reduction with business objectives.

To further encourage low-carbon commuting, Scheidt & Bachmann UK will explore a Cycle to Work scheme and the installation of EV chargers at sites to support employee adoption of electric vehicles.

4 Engage supply chain

Scheidt & Bachmann UK is committed to working with suppliers to drive emissions reductions across the value chain. Scheidt & Bachmann UK's Supplier Engagement Form outlines its Net Zero commitment and encourages suppliers to align with similar goals.

To strengthen their approach, Scheidt & Bachmann UK will update onboarding requirements to make emissions commitments a critical factor in supplier selection and collaboration.

5 Improve energy efficiency in facilities

Scheidt & Bachmann UK will conduct a comprehensive energy audit to identify opportunities for improving building efficiency. The findings will be actioned, prioritising cost-effective measures that deliver both emissions reductions and financial savings. This strategic approach ensures that impact is maximised while making meaningful progress toward sustainability goals.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and use the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of Scheidt & Bachmann UK

Ken Cameron

Managing Director

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Ken Cameron
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Alan Grix

Managing Director

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Date: 21 May 2025