

SWARCO

Carbon Reduction Plan

SSM-QHSSE-PLAN-001



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1 Introduction

Part of the international SWARCO group, SWARCO Smart Charging Ltd. is responsible for the sales and service of electric vehicle charging infrastructure and energy storage solutions. Employing over 180 people, we have an office and dispatch facility in Hemel Hempstead, an office in London for our PoGo staff and a call centre facility in Dundee. We also have a field service team strategically positioned across the UK providing maintenance and support services to an extensive list of public and private sector customers. SWARCO Smart Charging Ltd. is defined as a small medium enterprise (SME) and have formed our carbon footprint report through the monitoring of scope 1, scope 2 and selected scope 3 emissions.

In 2019 the UK Government amended the Climate Change Act 2008 by applying a stricter target for reducing greenhouse gas emissions with the aim of becoming Net Zero by 2050. The intention of this document is to outline SWARCO Smart Charging Ltd.'s sustainability strategy detailing our aims, objectives, action plan, and timescales for reducing our carbon emissions.

1.1 Scope Definitions

Scope 1 covers direct emissions from owned or controlled sources such as fuel combustion and company vehicles. **Scope 2** covers indirect emissions from the generation of purchased electricity, steam, heating, and cooling consumed by the reporting company. **Scope 3** includes all other indirect emissions that occur in a company's value chain. For example, purchased goods and services, business travel/employee commuting, waste management and transportation and distribution of goods.

2 Our Mission

Our Company Mission is to help our customers to address their Electric Vehicle (EV) charging needs within landowners, local Authorities, charge point operators, the Public Transport sector, and Commercial fleets. SWARCO Smart Charging Ltd. is dedicated to achieving Net Zero emissions by 2040 through implementing the core principles of sustainable development in everyday practices.

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3 Baseline Emissions Footprint

Baseline Year: 2022	
SWARCO Smart Charging Ltd. started measuring Carbon emissions in 2017 under a different entity (SWARCO UK Ltd) before separating and becoming incorporated in November 2022.	
The data for this baseline was sourced from emissions data produced from Jan 22- Dec 22 which was pulled from both the previous and current entity data. The operating facility in Hemel Hempstead is shared with APT Skidata Ltd. Therefore, scope 1 & 2 emissions relating to the running of this facility are equally distributed between the two. This calculation also includes scope 3 waste management and vehicle-related business travel data with an expectation to expand this further to include the remaining 3 required scope 3 categories.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	11.81
Scope 2	40.92
Scope 3	10.86
Total Emissions	63.59

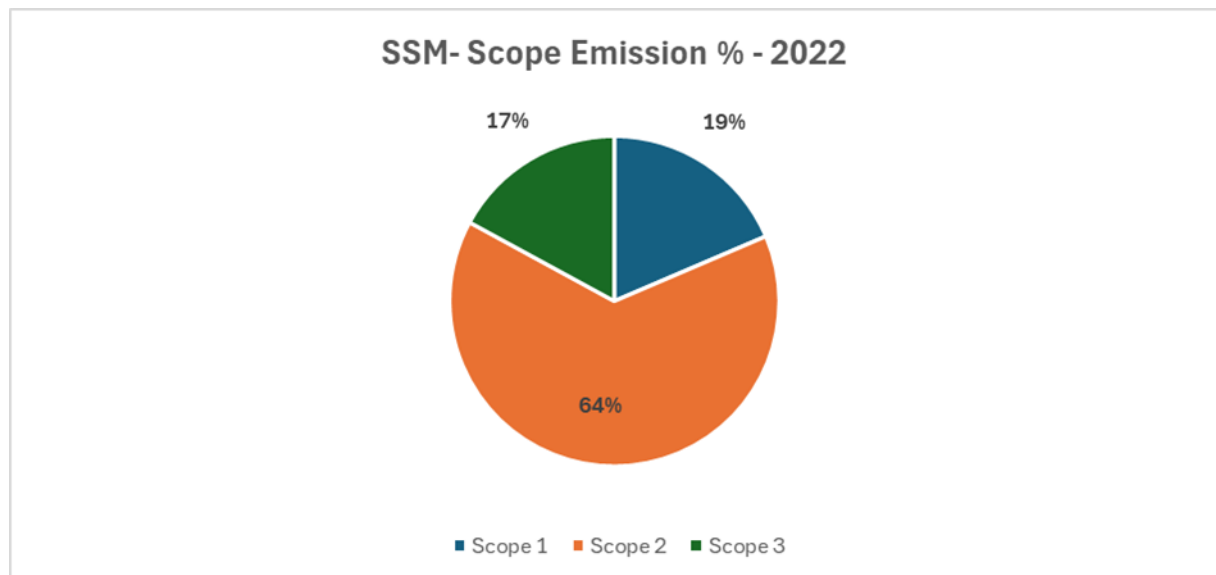


Figure 1. Total emissions for 2022, displaying the percentage makeup of each carbon scope.

3.1 2023 Emissions

Year: 2023	
In 2023 SWARCO Smart Charging Ltd saw an overall emission increase of 143% from the 2022 baseline, with increases also seen in Scopes 2 and 3 of 1.16% and 899%. The significant increase in Scope 3 emissions results from business travel data being more accurately recorded with additional Scope 3 categories being measured. Scope 1 emissions had an overall decrease of 48%. This decrease resulted from SSM transitioning to a fully electric fleet in 2023. The range of SECR Scope 3 emissions reported was expanded in 2023, from two categories to five. These include water usage, business flights and business hotel stays.	
2023 emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	6.13
Scope 2	41.39
Scope 3	108.46
Total Emissions	155.98

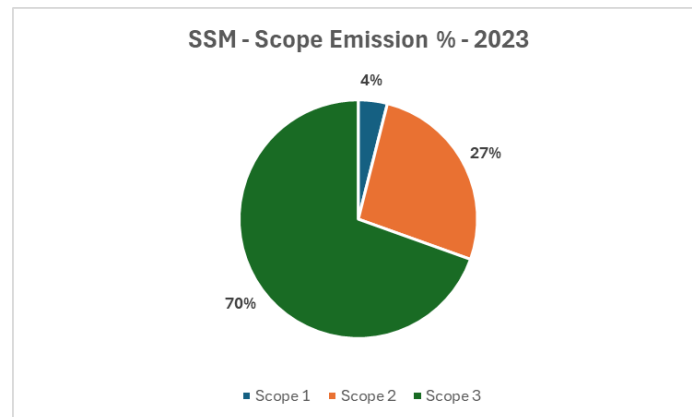


Figure 2. Total emissions for 2023, displaying the percentage makeup of each carbon scope

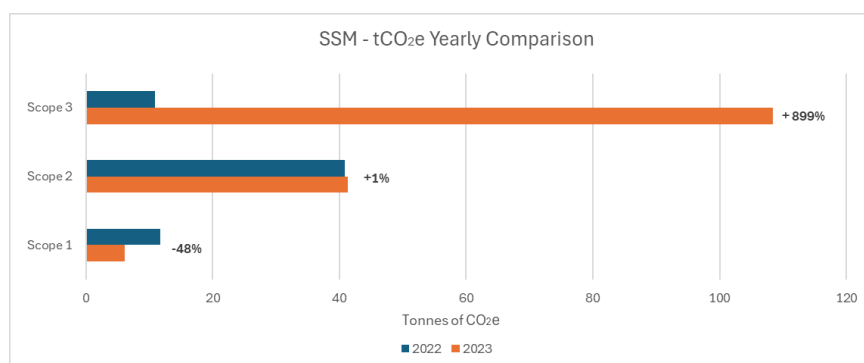


Figure 3. Chart displaying changes in scope emissions from 2022-2023. A substantial increase in scope 3 emissions results from the addition of new data being captured from 3 more categories (water usage, business flights and business hotel stays).

4 Emission Reduction Targets

SWARCO Smart Charging Ltd. will set environmental objectives annually with carbon reduction and sustainability being at the forefront. All objectives, actions and documentation are housed in the integrated management system with legislative requirements being supported by the QHSSE staff with relevant Environmental Management qualifications.

SWARCO Smart Charging Ltd. have not included all Scope 3 emissions within the carbon footprint report. It has been noted that this is not a true reflection of the company's actual CO₂e emissions. After gaining an understanding and completing advanced training in the subject matter we have identified that other indirect emissions are not currently accounted for and require further collation of data. SWARCO Smart Charging Ltd. are working to rectify the gaps within our scope 3 emission data and will be expanding our baseline to include upstream/downstream transportation & distribution and employee commuting.

SWARCO Smart Charging Ltd. expect that the CO₂e expenditure will rise and peak over the next year following the introduction of the new scope 3 CO₂e emissions. Despite the anticipated increase we will always aim to decrease our CO₂e expenditure and will frequently update our company objectives. With the business headcount also rising by 30 to 40 staff annually due to the impressive growth of the business, this will naturally increase emissions, but the company aims to start monitoring emissions by head to show the efforts applied to reducing our emissions across the business

5 Carbon Reduction

SWARCO Smart Charging Ltd. has implemented various carbon reduction projects including the measurement of our environmental management system with ISO 14001 certification and the analysis of our environmental performance through KPIs. These KPIs are used to monitor the amount of waste produced, the amount of electricity and gas used across the businesses and the amount of fuel used by employees for business travel. Performance against the set KPI's is monitored through monthly reporting packs and is communicated throughout the business at all levels.

SWARCO Smart Charging Ltd. introduced a full fleet of electric vehicles in 2022, all company-owned or leased vehicles for the field services team, sales, and project departments as well as business leaders are fully electric. To further reduce CO₂e expenditure, the Hemel Hempstead facility transitioned to a renewable energy tariff. A software solution has also been developed that allows site-based employees to assist customers remotely reducing the number of service engineer site visits required and therefore reducing our energy consumption.

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In the future we aim to implement the further measures below:

Objective	Required action	Current Status
Expand and develop SWARCO Smart Charging Ltd.'s KPIs to include scope 3 emissions.	The carbon reduction report for 2025 and subsequent reports shall include the remaining scope 3 emissions data and expand on the business travel emissions category to include air travel. Waste and Business vehicle travel has now been added.	-3 categories of scope 3 emissions under the GHG protocol are currently being reported.
Plan to further reduce the current amount of general waste being sent to landfill by 50% by 2026.	Actively promote recycling within the organisation. Improve recycling capabilities, complete monthly volume measurements and spot checks of the contents of the general waste. Success is measured when the volume of weekly waste begins to decline.	-Objective exceeded – All waste is recovered/recycled in 2024.
Reduce travel and energy emissions by 5% through the implementation of hybrid working and promotion of virtual gatherings by 2026.	Conduct a survey to collate & analyse employees' travel data including: <ul style="list-style-type: none"> Duration, frequency, and distance travelled to and from work and/or meeting destinations. Measure the CO₂e contributions before and after the introduction of hybrid working. Determine success through the reduction of CO ₂ e emissions.	-Survey drafted, awaiting distribution to employees. - Emission data available back to 2022. -Full EV fleet introduced in 2022 --Implemented software solutions to allow office-based employees to reduce the number of technical service engineer site visits required.
To offset 10% of our CO ₂ e emissions through enrolment in green scheme initiatives by 2026.	To actively seek and enrol in appropriate, and where possible, local green initiatives.	-Searching for appropriate green initiative schemes to enrol in.

6 Declaration

This Carbon Reduction Plan has been completed in accordance with PPN 006 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 standard¹ and uses the appropriate [Government emission conversion factors for greenhouse gas company reporting](https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting)².

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) Standard³.

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

Signed:		Date:	07/08/2025		
Subject to review, monitoring and revision by:	J Meyer Managing Director	Every:	12	Months or sooner if work activity changes	

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>

7 Definitions

Term	Description

8 References

REF	Document Reference	Title

9 Revision History

Rev	Issue Date	Reason for Issue
1.0	14/06/2023	New Document First Issue
2.0	10/09/2024	Reviewed and Updated
3.0	07/08/2025	Updated reference in declaration inclusion of appendix and updated template

APPENDIX 1

Table 1. Breakdown of 2024's total emissions

2024 emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	3.4
Scope 2	55.08
Scope 3	123.3
Total Emissions	181.8

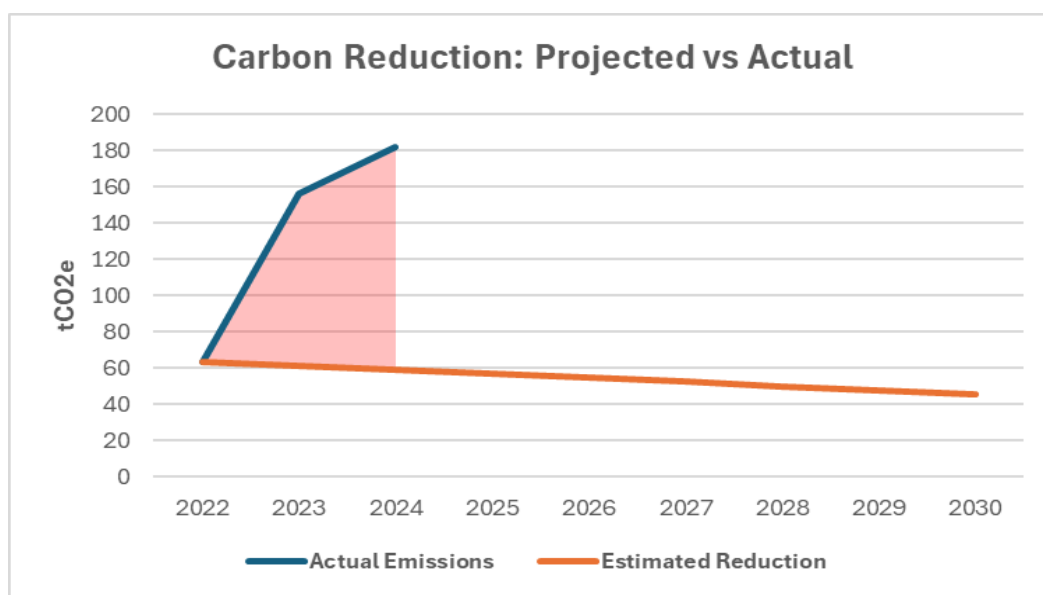


Figure 4. Graph detailing progress of actual emissions against our estimated emissions reduction to meet our Net-Zero 2050. During the 2022-2024 period, multiple categories were added to our scope 3 reporting, influencing results