

Carbon Reduction Plan

Supplier name: **Carl Zeiss Ltd**

Publication date: 18/03/2026

Commitment to achieving Net Zero

Carl Zeiss Ltd is committed to achieving Net Zero emissions by 2050.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any more recent strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: ZEISS Fiscal Year 2019/2020 (1 October 2019 until 30 September 2020)	
Additional Details relating to the Baseline Emissions calculations.	
In the Baseline Year consumption of energy for Scope 1 and Scope 2 is recorded. For Scope 3; excluding Air Travel, we have used calculated data for fiscal year 2021/2022 and proportioned usage for the baseline year based on turnover. Turnover 2019/2020 is 68.5% of turnover from 2021/2022. *The new Baseline Scope 3 Figure uses DEFRA emissions factor for Air Travel. This replaces previous figure of 577.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e) <i>(Rounded to closest whole number)</i>
Scope 1	645
Scope 2	164
Scope 3 (Included Sources**)	617*
Total Emissions	1,386

**Scope 3 included sources: Business travel; Employee commuting; Waste generated in operations; Upstream transportation and distribution and; Downstream transportation and distribution.

Current Emissions Reporting

Reporting Year: ZEISS Fiscal Year 2024/2025 (1 October 2023 until 30 September 2024)	
EMISSIONS	TOTAL (tCO₂e) <i>(Rounded to closest whole number)</i>
Scope 1	385
Scope 2	0, based on purchase of Energy Attribute Certificates for 100% of electricity and gas consumption
Scope 3 (Included Sources*)	1772 thereof ~658 tonnes of CO ₂ e occurred from employee commuting
Total Emissions	2157

**Scope 3 included sources: Business travel; Employee commuting; Waste generated in operations; Upstream transportation and distribution and; Downstream transportation and distribution. Further information regarding the above emissions reporting data is available upon request.*

Emissions reduction targets

We project that carbon emissions will decrease over the next years. To continue our progress to achieving Net Zero, Carl Zeiss Ltd have adopted the following carbon reduction target(s).

Scope 1 & 2; *A reduction in Scope 1 & 2 carbon emissions of 59% by Year 2034. This means a reduction to 332 tCO₂e by 2034 compared to baseline year.*

Scope 3; *A reduction in Scope 3 carbon emissions of 35% by Year 2034, in line with the SBTi Framework for value stream activities. This means a reduction to 401 tCO₂e by 2034 compared to baseline year.*

Carbon Reduction Projects

The ZEISS group's goal was to reduce its Scope 1 and 2 emissions as far as possible by fiscal year 2024/25 and to offset the remaining emissions that could not be avoided. This goal has been achieved.

More details on the achievement of this goal can be found in chapter E1 Climate Change of the ZEISS Group's annually published [Sustainability report](#).

The impacts of climate change mean that ZEISS needs to adapt proactively and strategically if it is to remain competitive in the long term. ZEISS acknowledges the global goal formulated in the Paris Agreement of limiting global warming to below 2°C and has derived its own targets and actions that work toward the decarbonization of the business. ZEISS also expects climate change mitigation activities and product-specific information such as product carbon footprints to become increasingly important for future purchasing decisions. The company always factors the changing expectations of customers due to climate change and regulatory requirements into its strategic planning.

ZEISS does not have a full transition plan for climate change mitigation as defined by the ESRS at present. However, ZEISS is working on elements to transition to a low-GHG economy as part of its strategic direction. The company plans to set science-based climate targets in line with the requirements of the Science Based Targets initiative (SBTi) in the coming fiscal year 2025/26. These targets will also cover the upstream and downstream value chain (Scope 3).

Carl Zeiss Ltd.'s sustainability initiatives are within the overall framework of the ZEISS group sustainability programme, details of which are available on the group's website.

Completed Carbon Reduction Initiatives

The following environmental management measures have been implemented in the UK since the 2019/2020 baseline:

- ✓ Carl Zeiss Ltd has been purchasing Energy Attribute Certificates for 100% of its' electricity and gas consumption since 2021 and continues to do so. With this measure we can avoid 164 tons of CO₂e on a yearly basis.
- ✓ The ongoing electrification of our company car fleet has reduced relative emissions from diesel and Petrol (Scope 1). As of date of publication over 95% of our field based company cars are either hybrid or electric (EV).
- ✓ Engaged with external partners to further develop its mid-term plans in transitioning to a net zero business.
- ✓ Introduced smarter building management for temperature control reducing the energy consumption of the Cambourne heating boilers*.
- ✓ Improvements to the UK's Building Management System to introduce controls which enable non-critical plant to be switched off during evenings and at weekends*.
- ✓ Invested in the provision of electric vehicle charging points for business and employee use. This project was concluded in February 2023. Whilst this increases the company's electricity consumption, the need to support the shift to EVs is clearly defined in the UK Government's 'Transitioning to zero emission cars and vans: 2035 delivery plan'*.

**Carl Zeiss Ltd shares its building at 1030 Cambourne Business Park with Carl Zeiss Microscopy Ltd, a manufacturer of Electron Microscopes. Carl Zeiss Ltd has maintained a 34% occupation ratio for the basis of Emissions reporting.*

Fiscal Year 2024/2025 Sustainability Initiatives

During the year, the company has implemented the following initiatives:

- ✓ Consolidating office space by dedicating the use of single floor on Fridays for employees choosing to work on-site, thereby reducing heating, lighting and equipment energy usage across the building
- ✓ Staff awareness campaigns promoting energy-conscious behaviours and encouraging employees to adopt sustainable practices in their daily activities

Carl Zeiss Ltd continues to prioritize energy efficiency and carbon reduction, actively seeking opportunities to reduce emissions through efficient use of office resources, low-carbon travel solutions and environmentally responsible business practices.

Reporting Methodology and Changes

The year's Scope 1 and 2 Energy and emissions data were compiled from supplier utility invoices, and vehicle fuel records. These calculations were performed using the UK Government GHG conversion factors for company reporting (DESNZ,2024).

For the FY24-25 Carbon Reduction Plan, the increase in reported Scope 3 emissions is primarily due to changes in three areas: Business Travel (Car and Air Travel) and Distribution via Airfreight.

1. **Business Travel:** In previous years, emissions from car travel were primarily reported under Scope 1, as Carl Zeiss Ltd provided fuel cards to drivers. However, with a notable decrease in the number of employees choosing fuel cards and an increase in those claiming fuel expenses, these emissions are now reported under Scope 3 (Business Travel). This adjustment more accurately reflects current employee travel practices.
2. **Air Travel:** ZEISS' transition to using DEFRA Air Travel emission factors, which are updated annually, has led to a significant increase in reported emissions figures for Air Travel. This change ensures that emissions data is current and accurate, despite a decrease in air travel emissions during FY24-25 in comparison to FY23-24.

To offer a clear comparison of Air Travel emissions across fiscal years, rounded to the nearest whole number, please see the table below:

Scope	Type	FY19-20 (tCO ₂ e)	FY21-22 (tCO ₂ e)	FY22-23 (tCO ₂ e)	FY23-24 (tCO ₂ e)	FY24-25 (tCO ₂ e)
Scope 3 - Business Travel	Business Travel (Air) DEFRA	100	146	375	339	149
	Business Travel (Air) GHG	59*	87	172	156	Not recorded

**Proportioned usage for the baseline year based on turnover from FY21-22.*

3. **Airfreight:** Challenges in global supply chains, such as geopolitical tensions and demand volatility, have necessitated shifts in distribution strategies. In ZEISS's Fiscal Year 24-25, there was a significant increase in the allocation to airfreight, driven primarily by increased volume and, in part, by improved categorization of freight data in emissions calculations.

These methodological changes ensure that the FY24-25 Carbon Reduction Plan reflects the most accurate reflection of Carl Zeiss Ltd.'s emissions.

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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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 on behalf of the Supplier:

Paul Adderley
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Date: **18/03/2026**
.....

Electronically signed by: Paul
Adderley
Date: Mar 18, 2026 09:19:16 GMT

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>