

Carbon Reduction Plan

ECLIPSE DENTAL ENGINEERING LTD

Company Number: 12402632

Reporting Period: 1st January 2025 to 31st
December 2025

Date: 02/07/2026

Net Zero Target: 2045

Created by

NetScope[®]

NetZero
GROUP

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(B)
Corporation

Executive Summary

This Carbon Reduction Plan outlines ECLIPSE DENTAL ENGINEERING LTD's commitment to achieving Net Zero greenhouse gas emissions and details our strategy for reducing carbon emissions across our operations.

Eclipse Dental Engineering Ltd is a family-run business providing complete solutions for dental practices, hospital trusts and NHS organisations looking to create, improve or maintain their surgeries. Operating from its premises in Rochester, Kent, the company offers an integrated service spanning practice design, building and fit-out works, the supply and installation of dental equipment, and ongoing servicing and maintenance, supported by a team of field engineers working across London, the South East and selected nationwide projects. As a long-standing supplier to NHS trusts and hospitals, Eclipse Dental Engineering recognises the role it plays in supporting a more sustainable healthcare system and is committed to reducing the environmental impact of its operations.

Our baseline emissions for 2025 (1st January 2025 to 31st December 2025) totalled 34.07 tCO₂e, comprising:

- Scope 1 (Direct emissions): 24.87 tCO₂e
- Scope 2 (location based): 3.67 tCO₂e
- Scope 2 (market based): 1.72 tCO₂e
- Scope 3 (Other indirect emissions): 5.53 tCO₂e

This report establishes our baseline emissions for 1st January 2025 to 31st December 2025, totaling 34.07 tCO₂e. This baseline will be used for future carbon reduction planning and progress measurement.

We are committed to achieving Net Zero emissions by 2045 through a comprehensive program of carbon reduction measures, including energy efficiency improvements, renewable energy adoption, and sustainable transport initiatives.

This plan demonstrates our compliance with PPN 006 (previously PPN 06/21) requirements and our ongoing commitment to environmental responsibility and climate action.

Commitment to Net Zero

Eclipse Dental Engineering Ltd is committed to achieving Net Zero carbon emissions across our operations by 2045, in line with the NHS Net Zero ambition for its supply chain. As a long-standing supplier to NHS trusts and hospitals, we recognise the role we play in supporting a more sustainable healthcare system. Our priority is to reduce emissions at source as far as possible, targeting a 90% reduction against our baseline through measures such as fleet electrification, renewable energy adoption, and energy efficiency improvements. We recognise that a small proportion of residual emissions, expected to be no more than 10% of our baseline, may be difficult to eliminate entirely through reduction measures alone. To achieve Net Zero by 2045, these residual emissions will be neutralised through the purchase of credible, high-quality carbon offsets. We are committed to sourcing offsets that are certified to recognised international standards, prioritising permanent carbon removal projects where available, and ensuring that offsetting is used only to address genuinely unavoidable emissions rather than as a substitute for direct reduction.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the baseline audit period. For ECLIPSE DENTAL ENGINEERING LTD this period was the financial period 1st January 2025 to 31st December 2025.

Baseline emissions are a record of the greenhouse gases that have been produced in the baseline audit period. For Eclipse Dental Engineering, this period was the financial period January 2025 to December 2025. The baseline includes all Scope 1 and 2 emissions from our operations, plus Scope 3 categories including upstream transportation and distribution, waste and water use, employee commuting, fugitive emissions, and fleet vehicles. Downstream transportation and distribution & business travel has been assessed as not relevant to Eclipse Dental Engineering's operations and has therefore been excluded from the baseline.

Baseline: 1st January 2025 to 31st December 2025

Emissions Scope	Emissions (tCO ₂ e)
Scope 1	24.87
Scope 2 (location based)	3.67
Scope 2 (market based)	1.72
Scope 3	5.53
Total Emissions	34.07

Scope 3 Emissions Breakdown

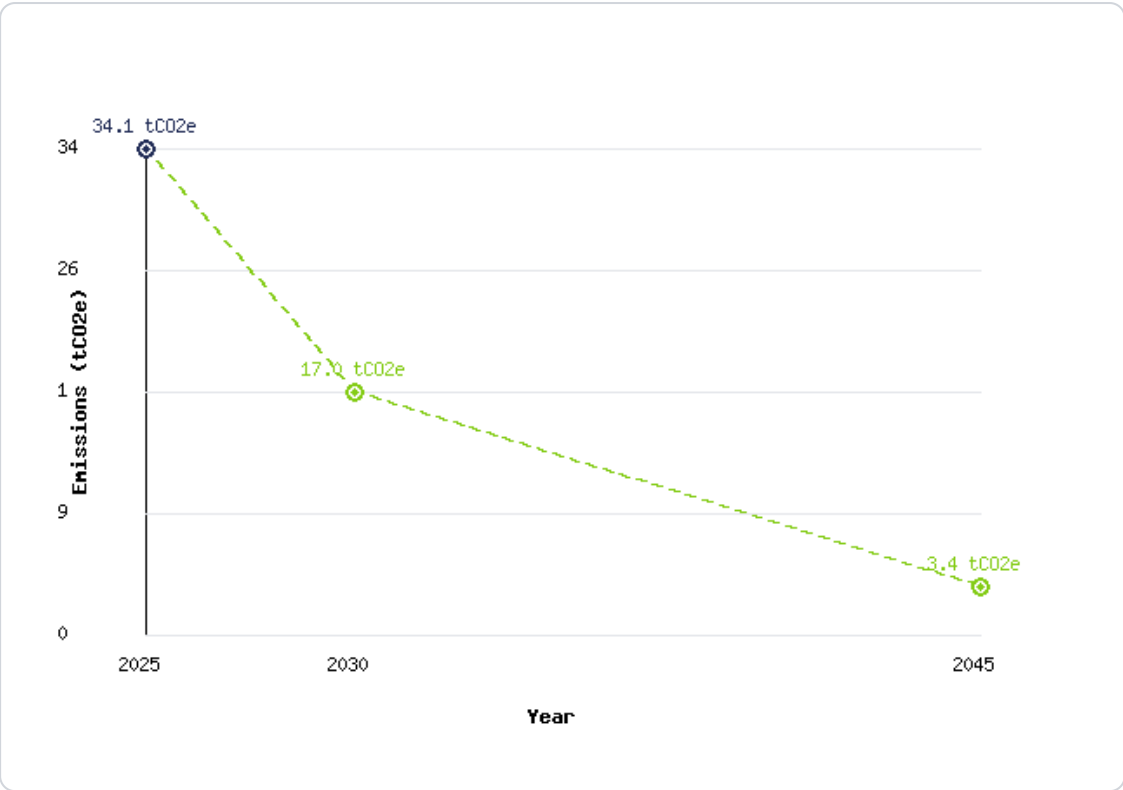
Scope 3 Category	Emissions (tCO ₂ e)
Scope 3.4 Upstream Transport & Distribution	1.79
Scope 3.5 Waste	0.27
Scope 3.7 Employee Commuting	3.47
Total Scope 3	5.53

Carbon Reduction Targets

Our Target

50% reduction in total emissions by 2030 compared to 2025 baseline

Emissions Reduction Trajectory



Key Milestones

- 2030** 50% reduction from baseline
- 2045** 90% reduction from baseline

Carbon Reduction Measures

The following environmental management measures and projects have been completed or are planned to be completed in the coming financial period. The carbon emission reduction of these measures has been estimated where possible.

Switch to 100% renewable energy

Planned

Estimated Impact: 2.0 tCO₂e/year

To reduce scope 2 emissions, Eclipse Dental Engineering aims to transition electricity contracts to 100% renewable energy tariffs. This transition is high-impact and low-spend, providing an immediate and measurable reduction in scope 2 emissions upon switching contracts, and low-spend, since it requires no infrastructure modification, making it one of the most cost-effective actions available to the business. Progress and reductions will be tracked annually.

LED retrofit

Planned

Estimated Impact: 0.7 tCO₂e/year

Eclipse Dental Engineering aims to reduce the scope 2 emissions associated with their property through energy efficiency upgrades. This includes switching to LED lighting, alongside potentially installing occupancy sensors and smart heating timers to ensure energy is only consumed when it is required. While the impact on overall emissions is expected to be moderate, the reduced energy consumption means the upfront costs are typically recovered over time through lower electricity bills. Progress against this action will be tracked and reported on annually.

Flexible working from home

Planned

Estimated Impact: 0.5 tCO₂e/year

To reduce scope 3 emissions associated with employee commuting, Eclipse Dental Engineering aims to encourage office-based staff to work from home where their role allows it. Field engineers, who account for the majority of work-related travel, are not able to work remotely so this action targets the smaller proportion of office based employees whose roles can be performed off-site. While the impact on total emissions is relatively low, the action requires no capital or infrastructure, making it straightforward to implement. Progress will be tracked and reported annually.

On-site solar generation

Planned

Estimated Impact: 2.0 tCO₂e/year

To reduce scope 2 emissions, Eclipse Dental Engineering aims to assess the installation of rooftop solar photovoltaic (PV) panels, potentially supported by battery storage, at its premises. On-site renewable generation would reduce reliance on grid-supplied electricity and provide a long-term reduction in scope 2 emissions, while also supporting the charging of the growing electric fleet. Although this measure carries a higher upfront cost, the investment is typically recovered over time through reduced electricity bills. Feasibility and projected savings will be assessed, and progress will be tracked and reported annually.

Heating and building fabric improvements

Planned

Estimated Impact: 1.0 tCO₂e/year

To reduce scope 1 and scope 2 emissions associated with its premises, Eclipse Dental Engineering aims to assess upgrades to its heating system, including the potential transition from gas heating to an electric heat pump where feasible, alongside improvements to building insulation.

Remote diagnostics and servicing

Planned

Estimated Impact: 1.0 tCO₂e/year

To reduce scope 1 emissions associated with engineer travel, Eclipse Dental Engineering aims to expand the use of remote diagnostics and telephone or video troubleshooting before dispatching an engineer to site. Resolving issues remotely where possible reduces the number of unnecessary call-out journeys, directly lowering fuel consumption.

Fleet electrification

In Progress

Estimated Impact: 18.0 tCO₂e/year

To reduce scope 1 emissions, Eclipse Dental Engineering aims to transition to a fully electric fleet, replacing diesel and petrol vehicles with electric alternatives as each vehicle reaches end-of-life, rather than switching all at once. This phased approach reduces the waste associated with early vehicle retirement. Given the nature of the business and the daily travel required for the engineers, this switch will be impactful on emissions. Progress will be tracked annually by monitoring the number of vehicles in the fleet that is electric.

Eclipse Dental Engineering has already introduced one electric vehicle into its fleet, used by engineers travelling to dental clients.

Methodology & Standards

Calculation Method

GHG Protocol Corporate Accounting and Reporting Standard

Emissions Factors

DEFRA/BEIS 2025

Data Quality Assessment

Data used in the preparation of this Carbon Reduction Plan has been collected from a range of primary and secondary sources, with every effort made to obtain the highest quality of data available for each emissions category.

Where possible, calculations have been based on high-quality primary activity data. For categories where primary data was complete and verifiable, emissions have been calculated using an activity-based method, providing the most accurate and reliable results.

For certain categories, medium-quality data has been used, drawing on a combination of partial primary data supplemented by reasonable assumptions or extrapolation from available records. Where primary activity data was not available, lower-quality data has been applied using spend-based methods or industry-standard estimation techniques, in line with recognised carbon accounting practice.

This mix of high, medium and lower quality data reflects the data currently available across the business at this moment in time. Eclipse Dental Engineering recognises the importance of continual improvement in data quality and is committed to enhancing data collection processes in future reporting periods, prioritising the transition from estimated and spend-based data toward primary activity-based data wherever practical. This will improve the accuracy of emissions calculations over time and support more robust progress tracking against the company's reduction targets.

Declaration and Sign-Off

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 standard and uses 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 (where required), 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).

Chester Boyt

Director

Date: 2026-07-02

Digital Signature: Digitally signed by Chester Boyt on 02/07/2026

Document Information

Document Version: 1.0

Compliance: PPN 006

Last Updated: 02/07/2026

Standard: GHG Protocol