

Carbon Reduction Plan

Executive Summary

DB Orthodontics has set a target to halve emissions before 2030 and is committed to achieving Net Zero Emissions by 2050. We have aligned our intentions to become recognised as a net zero company through our public commitment with SME Climate Hub.

This inaugural Carbon Reduction Plan represents significant benefits for DB Orthodontics, our customers and suppliers. As an organisation, DB Orthodontics is committed to integrating sustainable development into everyday practice by minimising environmental impact wherever possible.

This Carbon Reduction Plan is completed in compliance with PPN06/21 as published by the Cabinet Office June 2021. The Plan will be reviewed and updated annually to reflect any changes in our organisational structure and any business related alterations to reduce emissions. The Carbon Reduction Plan represents a full calendar year of operations and will be reviewed within 6 months of the DB Orthodontics fiscal year end.

Baseline Emissions

The baseline emissions are a record of the greenhouse gases that have been produced in the past year, and while DB Orthodontics have previously made significant business facility changes to reduce carbon emissions, the baseline emissions within the document are the reference point against which all future emission reductions will be measured.

Any future implemented changes are contributing to the ongoing commitment of the management and reduction of our business-related carbon emissions and ultimately achieving the goal of net zero emissions by 2050.

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Directors:
D A Burdess
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Baseline Emissions Footprint

Baseline Year: 01 January 2022 – 31 December 2022	
Additional Details relating to the Baseline Emissions calculations	
This is DB Orthodontics first Carbon Reductions Report. Our baseline year is calendar year 2022. The baseline report includes Scope 1, 2, and 3 emissions.	
Baseline year emissions:	
Emissions	Total tCO ₂ e
Scope 1	11.86
Scope 2	20.09
Scope 3	37.08
Total Emissions	69.03

Greenhouse gas emissions, reductions of greenhouse gas emissions and removals of greenhouse gas from the atmosphere have been measured in tonnes of carbon dioxide equivalent (tCO₂e) using the appropriate conversion factors published by Department for Business, Energy & Industrial Strategy (BEIS) June 2022.

A “tonne of carbon dioxide equivalent” means one metric tonne of carbon dioxide or an amount of any other greenhouse gas with an equivalent global warming potential.

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following Carbon Reduction Targets. We project that carbon emissions will decrease over the next five years to 12.32 tCO₂e by the end of 2027. This is a reduction of 18%.

We intend to achieve a 50% decrease in emissions by 2030 (34.51 tCO₂e) and achieve Net Zero by 2050. This equates to a 4% reduction in emissions year-on-year.

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Carbon Reduction Targets

The following environmental management measures and projects have been completed and applied to our business operations prior to the baseline emissions of the Carbon Reduction Plan:

- Encouraging the workforce to switch to Electric / Hybrid vehicles by installing electric vehicle charging stations which employees can use free of charge.
- Reviewed and updated packaging by eliminating plastics with the aim of 100% recyclable content.
- Replaced all lighting within the premises with passive infra-red (PIR) LED alternatives.
- Educated and built awareness amongst the workforce of the impact of their decisions on energy saving practices.
- Reducing waste to landfill through a successful recycling scheme incorporating waste streams such as; paper, cardboard, metal cans, plastic (Dry Mixed Recycling), glass, Low Density Polyethylene (LDPE).

Over the next five years we plan to implement further measures which will continue to drive down emissions. We are considering several initiatives and those listed below are some examples of areas we are working towards:

- Continuously work to collect the highest quality, primary data on our emissions to aid reduction and progress measurement.
- Switch to renewable energy by installing of a Solar PV array with an annual yield that provides electrical self-sufficiency.
- Work with suppliers to understand their own emissions and encourage them to set their own carbon reductions targets.
- Achieve 100% recyclable packaging content.
- Promote and support sustainable commuting for all employees.
- Implement an environmental management system certified to ISO 14001. This will focus on objectives and actions on areas that will have the most significant environmental impact both in the short and long term.
- Signing up to the Science Based Targets initiative (SBTi) and setting a long term Net Zero target

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 Directors.

Signed on behalf of DB Orthodontics:

A handwritten signature in black ink that reads 'Victoria Coppack'.

Victoria Coppack, Director

Date: April 2023

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>