

# Carbon Reduction Plan

**Supplier name:** Dalen Limited

**Publication date:** 1<sup>st</sup> August 2024

## Commitment to achieving Net Zero

Dalen is committed to achieving Net Zero emissions by 2047.

## Baseline Emissions Footprint

In September 2021, Dalen implemented a working group to develop the company's Carbon Reduction Strategy, and to begin activity to calculate the company's carbon emissions. The working group constitutes representation from across the business, and is tasked with implementing reduction initiatives which help realise the improvements required.

The company considered 2021 as the baseline year and has subsequently maintained calculated emissions data and reported on this internally.

The baseline of greenhouse gas emissions and conversion to CO<sub>2</sub>e has been calculated in accordance with the Green House Gas Protocol corporate accounting and reporting standard.

<b>Baseline Year: 2021</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
Dalen has recorded Scope 1, 2, and 3 emissions for the baseline year 2021. Scope 3 emissions are initially limited to only included raw material sources. It should be noted that purchased Steel is included within the stated Scope 3 emissions.	
<b>Baseline year emissions:</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	250.5
<b>Scope 2</b>	84.9
<b>Scope 3</b> (Included Sources)	1856.8
<b>Total Emissions</b>	2192.2



## Current Emissions Reporting:

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	269.2
Scope 2	85.0
Scope 3 (Included Sources)	1988.9
<b>Total Emissions</b>	<b>2343.1</b>

## Emissions reduction targets

When assessing our carbon reduction and progress towards net zero, a key challenge has been accommodating the impact of organisation growth. To achieve this we have elected to adopt an intensity measure, stated in tonnes of CO<sub>2</sub> per £1M of revenue, with the aim of better reflecting progress made towards net zero independent of activity.

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 seven years to 1554 tCO<sub>2</sub>e by 2030 when normalised for intensity. This is a reduction of 30.17%

Actual 2021 = 2192 tCO<sub>2</sub>e

Actual 2022 = 2280 tCO<sub>2</sub>e

Actual 2023 = 2343 tCO<sub>2</sub>e

Predicted 2024 = 2226 tCO<sub>2</sub>e

Predicted 2025 = 2115 tCO<sub>2</sub>e

Predicted 2026 = 2009 tCO<sub>2</sub>e

Predicted 2027 = 1908 tCO<sub>2</sub>e

Predicted 2028 = 1813 tCO<sub>2</sub>e

Predicted 2029 = 1722 tCO<sub>2</sub>e

Predicted 2030 = 1636 tCO<sub>2</sub>e

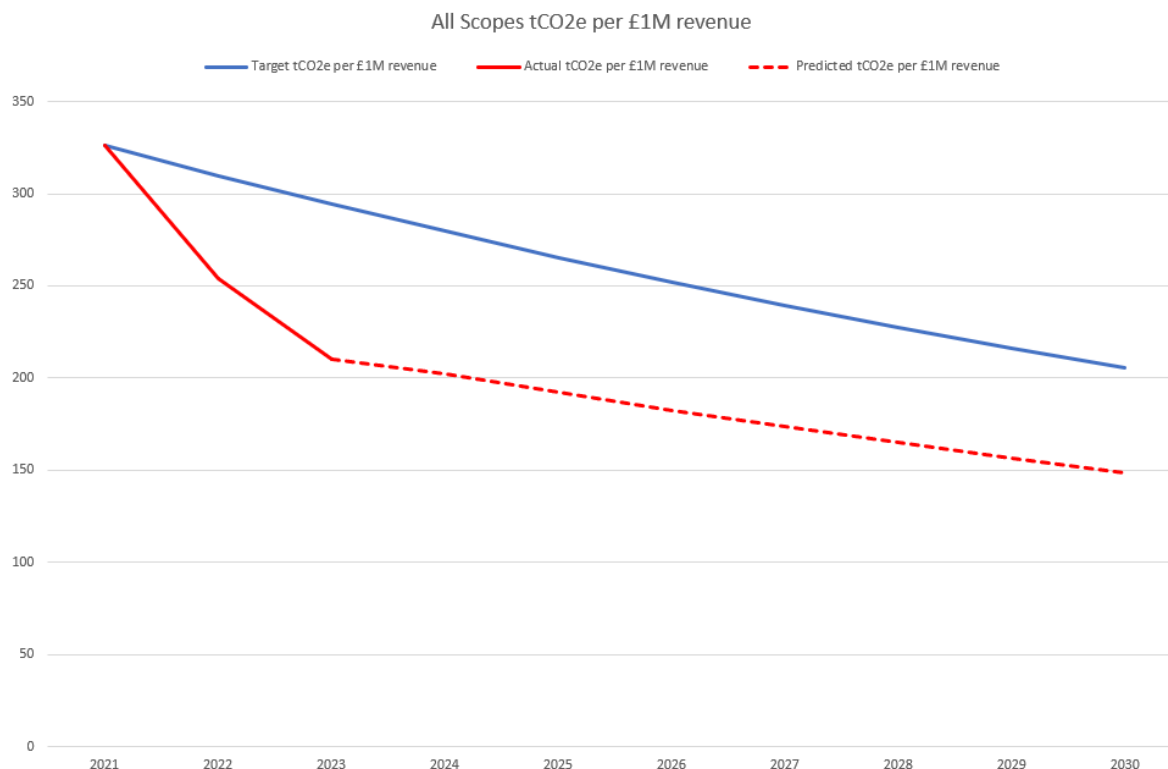
Actual 2021 Intensity = 326 tCO<sub>2</sub>e per £1M

Actual 2022 Intensity = 310 tCO<sub>2</sub>e per £1M

Actual 2023 Intensity = 294 tCO<sub>2</sub>e per £1M



Progress against these targets can be seen in the graph below:



## Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. The impact measurement of these initiatives is in the process of being assessed, and so we are unable to quantify at this stage. These measures will remain in effect when performing the contract.

- Initiatives are in place to measure and reduce waste steel from manufacture, noting that 81% of total emissions are linked to purchase of steel from our supply chain under scope 3.
- Adoption of innovative manufacturing methods and materials, utilising waste diverted from landfill and adopting circular economy principles.
- Implementation of additional waste segregation for recycling, resulting in a reduction in waste to landfill.
- Salary sacrifice scheme in place to encourage the adoption and purchase of electric vehicles.
- Cycle to work scheme put in place to encourage low carbon commuting.
- Installation of real time energy monitoring to aid with evaluation of improvement activities.
- Installation of efficient variable speed air compressor to reduce energy consumption.
- Replacement of aging equipment such as laser cutting machines with newer, more efficient alternatives.
- Installation of LED lighting and PIR sensors in low traffic areas.
- Installation of water and energy saving technologies in bathroom areas.



- Digitisation of product manuals
- ISO 14001:2015 Environmental Management System accreditation continues to be held.

Over the coming years we have immediate plans to implement further measures including:

- Solar power generation
- Improved energy efficiency in powder coating operations
- Electrification of goods vehicles
- Management of supply chain emissions
- Increased use of sustainable packaging materials
- Increased use of post-consumer recycled materials in product design

We recognise the significant benefits that earlier action will have on our total carbon emissions, and so we are committed to tackling our footprint as quickly as we are able to in advance of our 2047 net zero goal.

## 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>3</sup>.

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:

Adam Beardmore  
Managing Director

Date: 01/08/2024

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

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

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