

Haigh Engineering Co., Limited

Carbon Reduction Plan

March 2026
PPN 06/21 Compliant

This Carbon Reduction Plan forms part of Haigh Engineering's broader Environmental Impact Reduction Plan, which addresses carbon and other environmental pollution including wastewater and persistent contaminants.

Commitment to Achieving Net Zero

Haigh Engineering Co., Limited is committed to achieving net zero greenhouse gas emissions by 2045, in line with the UK Government's Net Zero strategy and the NHS Net Zero Supplier Roadmap.

This Carbon Reduction Plan has been completed in accordance with PPN 06/21, taking into account associated guidance, and reporting on the company's Scope 1, Scope 2, and selected Scope 3 greenhouse gas emissions.

This plan forms part of Haigh Engineering's Environmental Impact Reduction Plan, which takes a whole-system view of environmental impact including carbon emissions, wastewater pollution, and product lifecycle effects.

Baseline Emissions Footprint

Baseline Year: 2022

This baseline has been selected as the earliest year for which comprehensive, verified data is available across all measured emissions categories.

Emissions Scope	Description	Baseline (tCO ₂ e)
Scope 1	Natural gas consumption (factory heating) and company vehicle fleet fuel (diesel and petrol)	160.44
Scope 2	Purchased electricity (manufacturing and office facilities)	108.51
Scope 3	Business travel (flights and hire vehicles)	23.08
Total		292.03

Current Emissions Reporting

Reporting Year: 2024

Emissions Scope	Description	Emissions (tCO ₂ e)
Scope 1	Natural gas (31.02) and company vehicle fleet (85.05)	116.07
Scope 2	Purchased electricity	74.88
Scope 3	Business travel — flights (34.26) and hire vehicles (1.00)	35.26
Total		226.21

This represents a 22.5% reduction in total measured emissions from the 2022 baseline, and a 29.0% reduction in Scope 1 and Scope 2 emissions over the same period.

Emissions Reduction Trend

	2022 (Baseline)	2023	2024
Scope 1 (tCO ₂ e)	160.44	141.72	116.07
Scope 2 (tCO ₂ e)	108.51	84.85	74.88
Scope 1 + 2 (tCO ₂ e)	268.95	226.57	190.95
Scope 3 (tCO ₂ e)	23.08	11.37	35.26
Total (tCO ₂ e)	292.03	237.94	226.21

Scope 1 and Scope 2 emissions have reduced consistently year on year, driven primarily by reductions in natural gas consumption (65% reduction from 2022 to 2024) and purchased electricity (31% reduction). Scope 3 figures reflect business travel activity which varies with commercial requirements. Additional Scope 3 categories will be progressively assessed and disclosed in line with the milestones set out in the company's Environmental Impact Reduction Plan.

Carbon Reduction Targets

To achieve net zero by 2045, Haigh Engineering has established the following milestones:

Target Date	Commitment
March 2027	Public reporting of Scope 1, 2, and 3 emissions. Publication of net zero targets.
March 2028	Carbon footprint data at product and service level (allocation-based).
2035	Reduction in flagship product material content by 15% (by weight). Reduction in electricity and water usage per cycle by 20%.
2040	Advanced lifecycle assessment across all scopes. Assessment of offsetting requirements.
2045	Net zero carbon alignment.

Carbon Reduction Measures

Completed Measures

- Installation of solar generation, including provision for approximately 50% of factory electricity requirements
- Reduction in natural gas usage, including a 36% reduction in heated factory volume
- Optimisation of manufacturing footprint and heated space requirements
- LED lighting and motion sensor installation across office and manufacturing areas
- Comprehensive waste segregation and recycling programme
- ISO 14001-aligned Environmental Management System integrated within HSEQ framework
- Environmental Aspects Register maintained and regularly reviewed (55 aspects scored and controlled).

Planned Measures (2026–2030)


- Commitment to electrification of field service vehicle fleet
- Procurement of 100% renewable electricity tariff, REGO-backed or other evidence-led low carbon supply
- Introduction of carbon performance criteria into supplier evaluation and approval process
- Initial engagement with suppliers to improve understanding of upstream impacts and increase visibility of supply chain emissions.

Declaration

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. Conversion factors have been sourced from CarbonFootprint.com, consistent with UK Government GHG Conversion Factors for Company Reporting.

This Carbon Reduction Plan has been reviewed and approved by the senior leadership of Haigh Engineering Co., Limited.

Signed:  _____

J Shepherd

Managing Director

Haigh Engineering Co., Limited

Date: 31 March 2026