

Carbon Reduction Plan 2026



Commitment to achieving Net Zero

Abtech 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 strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

This Carbon Reduction Plan covers all UK operations of Abtech. Emissions have been calculated using the UK Government GHG Conversion Factors relevant to the reporting period

Emissions Calculation Methodology

The carbon footprint has been calculated in accordance with the Greenhouse Gas (GHG) Protocol Corporate Accounting and Reporting Standard and the UK Government Greenhouse Gas Conversion Factors for Company Reporting.

The reporting boundary covers all operational activities undertaken by Abtech within the reporting period. Emissions have been categorised into Scope 1, Scope 2 and Scope 3 in accordance with the GHG Protocol.

Scope 1 Emissions

Scope 1 emissions comprise direct emissions from sources owned or controlled by the organisation, including:

- Natural gas consumption for heating.
- Fuel consumption from company-owned vehicles used for business operation

Data was obtained from utility invoices, forklift truck (FLT) gas purchase records and reported mileage for company vehicles. Emissions were calculated using the relevant UK Government conversion factors

Scope 2 Emissions

Scope 2 emissions comprise indirect emissions associated with purchased electricity consumed at company facilities. Electricity consumption data was obtained from supplier invoices and meter readings and converted into carbon emissions using the applicable UK Government conversion factors

Scope 3 Emissions

The following Scope 3 categories were assessed and reported:

- Business travel.
- Employee commuting.
- Upstream transportation and distribution.
- Downstream transportation and distribution.
- Waste generated in operations.

Business travel emissions were calculated using mileage records and travel expenditure data. Employee commuting emissions were estimated using employee travel patterns and average commuting distances. Transportation emissions were calculated using logistics and delivery information provided by transport suppliers. Waste emissions were estimated from waste disposal records and contractor reporting, converted into carbon emissions using the applicable UK Government conversion factors

Data Quality and Assumptions

Where primary activity data was unavailable, reasonable estimates were used based on operational records and industry-standard methodologies. All emissions are reported in tonnes of carbon dioxide equivalent (tCO₂e). Calculations are reviewed annually to improve data quality and accuracy.

EMISSIONS	BASELINE YEAR: 2023	REPORTING YEAR: 2025
	TOTAL TCO ² E	TOTAL TCO ² E
SCOPE 1	49.3	55.7
Heating	37.1	43.1
SCOPE 2	36.4	22.1
Electricity	36.4	22.1
SCOPE 3	91.6	69.2
Business travel	38.6	29.6
Downstream transportation	20.0	8.6
Staff commuting	26.2	25.8
Upstream transportation	6.5	5.1
Waste	0.3	0.1
TOTAL EMISSIONS	177.3	147.0 (-17.1% VS BASELINE)

Emissions Reduction Targets

In order to meet our Net Zero commitment, we have adopted the following carbon reduction targets:

Short-term (by 2028): 25% reduction from baseline (Scope 1 & 2)

Medium-term (by 2035): 75% reduction from baseline (Scope 1 & 2)

Long-term (by 2050): Net Zero across all scopes

Progress against these targets will be reviewed annually.

Abtech will seek to reduce Scope 3 emissions through supplier engagement, optimisation of logistics, sustainable procurement practices and encouraging lower-emission employee travel.

Carbon Reduction Projects

Completed actions

- Solar PV and LED lighting upgrades completed in 2024 resulted in a 39.4% reduction in electricity consumption and contributed significantly to the reduction in Scope 2 emission
- Cycle-to-work scheme

Potential actions

- Transition company sales vehicles to hybrid or fully electric alternatives
- Switch to a 100% renewable electricity tariff
- Replace gas boilers with air source heat pumps (ASHPs)
- Improve building insulation (roof, walls, door seals)
- Introduce supplier sustainability criteria

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 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, 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.

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

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

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

Name: **Austin Laughton**

Role: **Joint Managing Director**

Date: **10/06/2026**

Signed on behalf of the business

