

voestalpine Turnout Technology UK Limited	Integrated Management System	Document Number: DOC1460
	Strategy	Document Revision: 3
	Carbon Reduction Plan	Active Date: 15/10/2025

Carbon Reduction Plan

Supplier name: voestalpine Turnout Technology UK Limited


Publication date: 10.10.25

Commitment to achieving Net Zero

voestalpine Turnout Technology UK Limited (vaTTUK) is committed to achieving Net Zero emissions by 2050. At Group level we have also committed to a science-based net zero target, to which the UK sites can contribute. However it should be noted that vaTTUK contribute less than 1% to overall Group emissions.

Baseline Emissions Footprint

Baseline Year: Financial Year 1st April 2022 to 31st March 2023 (FY23)	
Additional Details relating to the Baseline Emissions calculations.	
Due to the nature of the business activities, it was determined that Scope 3, Category 9, “Downstream Transmission and Distribution” was not applicable.	
Our emissions are estimated using carbon conversion factors published by the UK Government and we have set an operational control boundary for our carbon footprint activities. All direct activities take place in the UK. Our Scope 1 and Scope 2 carbon emissions are reported largely from primary data sources. The data used in the estimations for Scope 3 is as accurate as current data sources allow, and follows the GHG Protocol Standard for approved calculation methodologies. We will undertake a continual process of improving the quality of the data, which may result in a recalculation of the baseline in the future.	
Baseline year emissions: 1st April 2022 to 31st March 2023	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	60.75
Scope 2	63.19


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Scope 3 (Included Sources) Category 4 – Upstream transport and distribution Category 5 – Waste generated from operations Category 6 – Business Travel Category 7 – Employee Commuting	501.89 (total)
Total Emissions	625.83

Current Emissions Reporting

Reporting Year: 1 st April 2024 to 31 st March 2025 (FY25)	
<p>Additional Details relating to the Current Emissions calculations.</p> <p>Due to the nature of the business activities, it was determined that Scope 3, Category 9, “Downstream Transmission and Distribution” was not applicable.</p> <p>During the year, the mains gas heating system at Edinburgh became fully operational, negating the need for heating oil and reducing the volume of propane purchased by the site, (still used in process). This change subsequently increased the mains gas consumption at site, however the associated carbon emissions remain reduced (lower carbon intensity fuel).</p> <p>The methodology for calculating emissions at Scope 2 was improved. At Scope 2 an energy profile for the site has been developed to replace inaccurate electricity invoicing. Installed plant, equipment and activity data were utilised by a Lead ESOS Assessor to estimate the actual consumption. This estimate is less than current invoices indicate.</p> <p>At Scope 3, category 4 the haulage and crane supplier provided activity data at a distance-travelled level – to replace the estimations made in the previous footprint. In addition, the maximising of loads has reduced associated journey miles and emissions. Category 5 emissions have reduced significantly. This is largely due to replacing estimated waste weight data, with actual weights from the contractor. These improvements in data quality could not be retrospectively applied to previous years.</p>	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	92.9
Scope 2	57.05

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Scope 3 (Included Sources) Category 4 - Upstream transport and distribution Category 5 - Waste generated from operations Category 6 - Business Travel Category 7 - Employee Commuting	408.44 (total)
Total Emissions	558.39

Emissions reduction targets


In order to continue our progress to achieving Net Zero, vaTTUK have adopted the following carbon reduction targets.

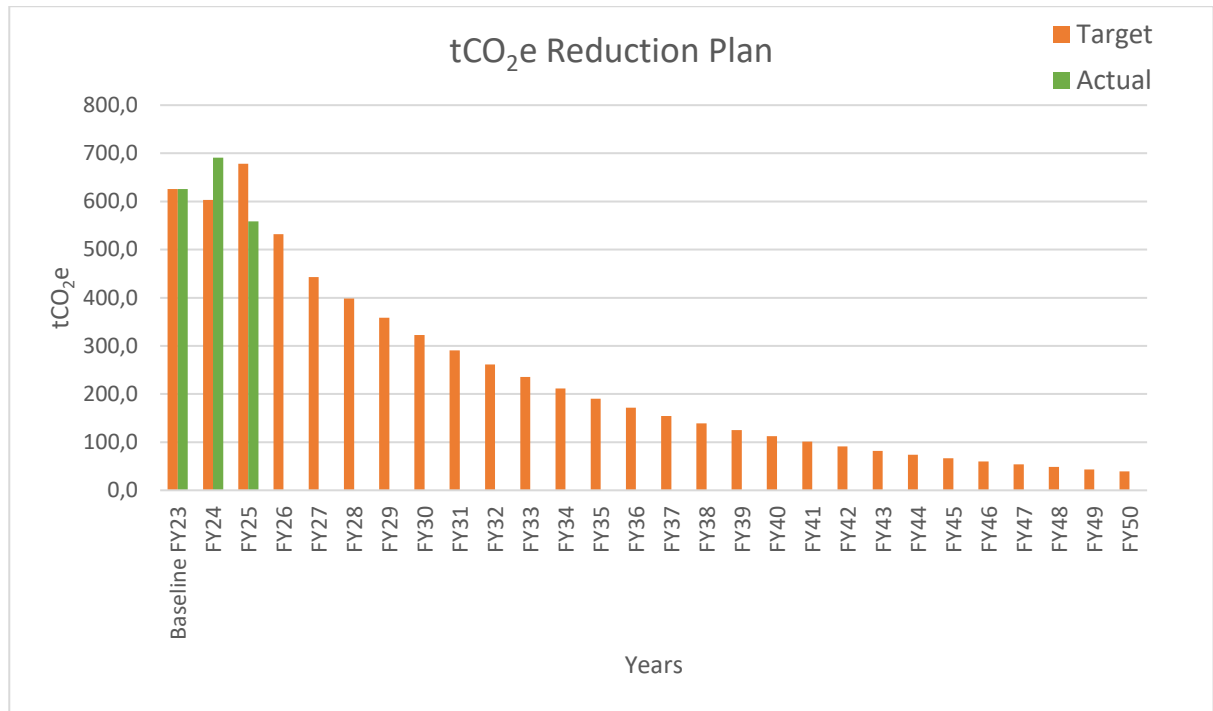
- Minus 30% CO₂ until 2029 (compared to FY22/23 - note Group target is 2019) for scope 1 and 2 emissions
- Minus 25% CO₂ until 2029 (compared to FY22/23 - note Group target is 2019) for scope 3 emissions
- Long-term CO₂ net zero by 2050

We project that carbon emissions will decrease over the next five years to **398 tCO₂e** by 2030. This is a reduction of 36% against our FY23 baseline performance.

Our Scope 1 and Scope 2 emissions will decrease over the next five years to **74.4 tCO₂e** by 2030. This is a reduction of almost 40% against our baseline, and achievement of our target.

Progress against these targets can be seen in the graph below. It should be noted that the implementation of planned emission reduction actions, the improvements in data quality for Scope 3 emission calculations, and the amended methodology for estimating Scope 2 emissions has resulted in an overachievement of the anticipated target emissions. Following the previous year increase in emissions, efforts have now brought our carbon emissions down again in line with our target trajectory.

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73% of our carbon emissions are an indirect result of our activities. At this stage in our carbon reduction journey therefore, we anticipate that we will need to offset a level of residual emissions from Scope 3 in 2050 to achieve net zero. This will be reviewed on an annual basis as technologies and facilities may emerge over time that enable a 2050 reduction trajectory of closer to zero emissions.

Carbon Reduction Projects

Completed carbon reduction initiatives

The following environmental management measures and projects have been completed or implemented in FY25:

1. Install fast-acting roller doors at Edinburgh, reducing emissions associated with heating energy.
2. Removal of heating oil from site. The heat energy has been replaced by an increase in mains gas consumption. However, this is a lower carbon intensity fuel.
3. Continued maximising loads for delivery of product.
4. Replace roof at Harworth office to create an electric heating carbon saving.
5. Install dawn until dusk sensors on LED lighting at Harworth to create an electricity carbon saving.
6. Carbon awareness training for all staff as part of PAS 2080 development.

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7. Install Optafleet to mobile site plant - monitors idling and efficiency to create diesel/propane emissions saving.
8. Install energy saving lights at Edinburgh to create an electricity carbon saving.

Future carbon reduction initiatives

In the future we hope to implement further measures. Several of these are also reported in our ESOS (Energy Saving Opportunities Scheme) Action Plan.

1. Move some rail production from Edinburgh to Armthorpe - reducing the transportation miles travelled to Harworth.
2. Monitoring and targeting of energy use at both sites.
3. Remove all portable / personal heaters in the Harworth offices, reducing the electricity use.
4. Isolate half of the Harworth office A/C units, reducing the electricity use.
5. Maintenance of ISO 14001 Environmental Management System (EMS), and PAS 2080, to ensure monitoring of emissions is ongoing.
6. Install timers to all Hot Water Tanks & Taps at Harworth, reducing the electricity use.

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 standard¹ and uses the appropriate [Government emission conversion factors for greenhouse gas company reporting](#)².

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 board of directors (or equivalent management body).

Signed on behalf of the Supplier:

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>

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