

voestalpine Turnout Technology UK Limited	INTEGRATED MANAGEMENT SYSTEM	Doc: DOC1460
	Plan	Revision: 02
	Carbon Reduction Plan	Created: 26/07/2024

Supplier name: voestalpine Turnout Technology UK Limited
Publication date: 26.07.24

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 1 st April 2022 to 31 st 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: 1 st April 2022 to 31 st March 2023	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	60.75
Scope 2	63.19
Scope 3 (Included Sources) Category 4 – Upstream transport and distribution Category 5 – Waste generated from operations	501.89 (total)

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Category 6 – Business Travel	
Category 7 – Employee Commuting	
Total Emissions	625.83

Current Emissions Reporting

Reporting Year: 1st April 2023 to 31st March 2024 (FY24)

Additional Details relating to the Current 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.

During the year, oil-fired heaters were hired at the factory in Edinburgh whilst the main gas system was repaired. The impact of this is evident in the carbon footprint at Scope 1, in addition to increased diesel consumption at both sites.

Electricity consumption and therefore Scope 2 emissions increased at both sites, despite efforts to reduce electric heating requirements. Increase in site activities, capacity, production and staffing levels has therefore increased electricity consumption, as well as vehicle movements between sites, staff business travel requirements and delivery of consumables. In addition, Scope 3 emissions were impacted by refurbishment of areas at Harworth, resulting in greater travel impacts by contractors.

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	91.02
Scope 2	75.81
Scope 3 (Included Sources) Category 4 - Upstream transport and distribution Category 5 – Waste generated from operations Category 6 - Business Travel Category 7 - Employee Commuting	524.16 (total)

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Total Emissions	690.99
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Emissions reduction targets

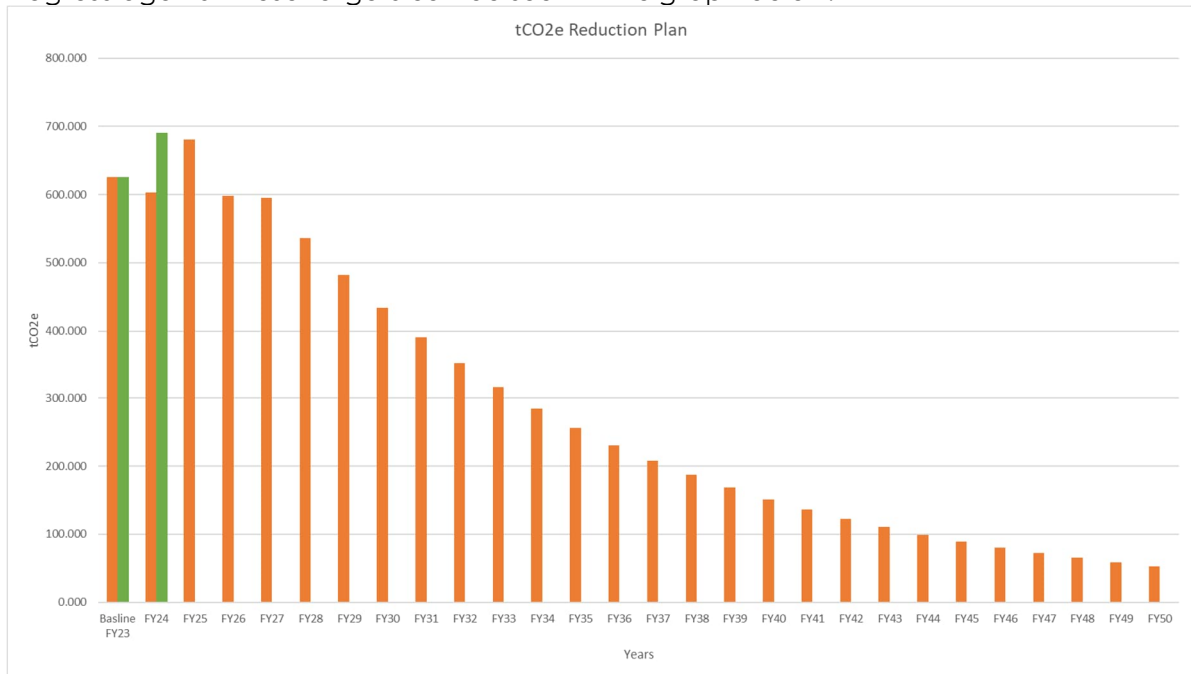
In order to continue our progress to achieving Net Zero, vaTTUK have adopted the following carbon reduction targets.

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

We project that carbon emissions will decrease over the next five years to **482.46** tCO₂e by 2029. This is a reduction of **30%** against our FY24 performance.

Our Scope 1 and Scope 2 emissions will decrease over the next five years to **73.69** tCO₂e by 2029. This is a reduction of 40% against our baseline, and achievement of our target.

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



80% of our baseline 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

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annual basis as technologies and facilities may emerge over time that enable a 2050 reduction trajectory of closer to zero emissions.

In FY24 we have also seen an increase in carbon emissions, making our targets and journey to net zero more challenging.

Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented in FY24:

1. Maximised lorry capacities between Edinburgh and Haworth to reduce the miles travelled. Calculated emissions saving of 22.67 tCO₂e based on like-for-like activity level. However emissions in this area actually increased as business activity increased.
2. Investment was made in new, additional, more energy efficient, machinery including CNC milling machine.
3. 90% of 2kW wall heaters replaced with climate control units to reduce electricity. Calculated emissions saving of 0.15 tCO₂e.
4. Maintenance of ISO 14001 Environmental Management System (EMS) to ensure monitoring of emissions is ongoing.

Data collection processes associated with waste management have greatly improved. Despite this category recording a decrease in emissions, and the reduction projects implemented, overall carbon emissions increased during FY24 as detailed above.


In the next two years we hope to implement further measures such as:

1. Install fast-acting roller doors at Edinburgh to create a grid gas emissions saving.
2. Replace roof at Harworth office to create an electricity carbon saving.
3. Install dawn until dusk sensors on LED lighting at Harworth to create an electricity carbon saving.
4. Carbon awareness training for all staff as part of PAS 2080 development.
5. Install Optafleet to mobile site plant - monitors idling and efficiency to create a diesel/propane emissions saving.
6. Install energy saving lights at Edinburgh to create an electricity carbon saving.

Estimated savings indicate the above will help to bring our carbon emissions down in line with our target.

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.

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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 board of directors (or equivalent management body).

Signed on behalf of the Supplier:



Matjaz Korosec
Managing Director – CFO



Ian Fillingham
Managing Director - CEO

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>