

Carbon Reduction Plan

Supplier name: Zühlke Group – a 100% parent company of Zühlke Engineering Ltd

Publication date: May 2025

Commitment to achieving Net Zero

Zühlke Group is committed to achieving Net Zero emissions by 2040, this includes its UK operations, Zühlke Engineering Ltd.

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.

Baseline Year: 2021	
Additional Details relating to the Baseline Emissions calculations.	
Our baseline is calculated at Group level across our global locations. Please note, the baseline year was Covid and not a BAU year. Since 2021, we have worked to increase data quality, and better methodologies to improve the accuracy of our carbon footprint. We have worked with our partner Furthr, who specialise in carbon accounting to calculate our emissions, whilst helping mitigating impact. We have slightly adjusted all previous year's footprints, including our baseline year, to reflect the progress made with data quality.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	214t
Scope 2	1175t
Scope 3 (Included Sources)	4603t Broken down as follows: Category 1: Purchased goods and services = 3288t

	<p>Category 2: Capital goods = 167t</p> <p>Category 3: Fuel and energy-related activities (well to tank) = 241t</p> <p>Category 4: Upstream transportation and distribution = 3t</p> <p>Category 5: Waste generated in operations = 49t</p> <p>Category 6: Business travel = 200t</p> <p>Category 6: Employee commuting (incl home working) = 655t</p> <p>Category 8: Upstream leased assets = 0t</p> <p>Category 9: Down transportation and distribution = 0t</p>
Total Emissions	5992t

Current Emissions Reporting

Reporting Year: 2024	
EMISSIONS	TOTAL (tCO_{2e})
Scope 1	419t
Scope 2	11t
Scope 3 (Included Sources)	<p>TOTAL = 6891t</p> <p>Broken down as follows:</p> <p>Category 1: Purchased goods and services = 4259t</p> <p>Category 2: Capital goods = 137t</p> <p>Category 3: Fuel and energy-related activities (well to tank) = 278t</p> <p>Category 4: Upstream transportation and distribution = 6t</p> <p>Category 5: Waste generated in operations = 5t</p> <p>Category 6: Business travel = 1591t</p> <p>Category 6: Employee commuting (incl home working) = 614t</p> <p>Category 8: Upstream leased assets = 0t</p> <p>Category 9: Down transportation and distribution = 0t</p>

Total Emissions	7322t
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In 2024, our emissions reduced by 4% from the previous year, and has reduced a total of 13% in the past two years.

Core reasons for this reduction include:

- Increased procurement of Energy Attribution Certificates (EAC's) to support renewable energy sourcing.
- Enhanced data quality and methodology, including updated emissions factors, , guided by our carbon accounting partner Furthr.

Emissions reduction targets

Zühlke Group is committed to reaching net-zero greenhouse gas (GHG) emissions in line with a 1.5 °C pathway and according to the strict requirements of the science-based targets initiative (SBTi) net-zero standard. This is part of our engagement within the "Business Ambition for 1.5 °C" initiative.

We commit to reach net-zero GHG emissions across the value chain by 2040. Specifically, we commit to the following reduction targets from a 2021 base year:

- Reduce absolute Scope 1+2 GHG emissions 90% by 2030
- Reduce absolute Scope 3 GHG emissions 42% by 2030
- Reduce absolute Scope 3 GHG emissions 90% by 2040

Our targets have been approved by the SBTi.

To continue our progress to achieving net-zero, we are finalising more granular carbon reduction targets which we aim to publish by the end of 2025.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. These measures will be in effect when performing the contract.

Environmental Management & Governance

- Implemented an Environmental Policy
- Achieved ISO 14001 certification in our London and Zurich locations
- Embedded environmental aspects into the Code of Conduct, Supplier Code of Conduct, and Business Travel Guidelines

Energy, Water & Emissions

- Transitioned to 100% renewable electricity through the purchase of EACs and via renewable energy providers
- Completed energy, water, and waste audits to identify and address inefficiencies
- Neutralised Scope 1, Scope 2, and some Scope 3 emissions through certified carbon mitigation projects

Waste Management & Circularity

- Introduced buy-back schemes for IT hardware (e.g. phones and laptops)
- Improved waste efficiency through waste sorting stations and waste weighing (London and Manchester)
- Increased purchasing of eco-friendly products (cleaning, hygiene, and paper/cardboard)
- Promoted paperless office practices

Sustainable Travel & Mobility

- Promoted local, greener commuting and business travel via an EV company car scheme and cycle-to-work scheme
- Identified more sustainable hotels for business travel and encouraged virtual/internal meeting alternatives

Sustainable Operations & Procurement

- Enabled smarter ways of working (flexible and hybrid models) to reduce commuting and office resource use
- Conducted a thorough review of our office locations and began optimising them to reduce unnecessary resource consumption, downsizing or subletting where required

Supply Chain & Stakeholder Engagement

- Assessed publicly available ESG data and net-zero targets for key suppliers

Training & Culture

- Delivered ESG onboarding training for all new starters
- Offered ongoing ESG learning resources for existing employees

In the future we hope to implement further measures such as:

Environmental Management & Governance

- Extend ISO 14001 certification to additional office locations
- Implement formal waste management plans at more sites
- Embed sustainability in our ICT strategy, including responsible use of AI

Energy, Water & Emissions

- No new specific future energy actions noted (but office efficiency plans below may indirectly support this)

Waste Management & Circularity

- Further enhance waste governance through management plans (also listed under governance)

Sustainable Operations & Procurement

- Review IT hardware and software procurement to assess and reduce environmental impact
- Continue improving office efficiency through:
 - Downsizing space where possible
 - Subletting unused areas
 - Moving to greener office locations

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 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:

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>