

Carbon Reduction Plan Template

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

Publication date: January 2025

Commitment to achieving Net Zero

Zühlke Group is committed to achieving Net Zero emissions by 2040, this includes its UK operations (Zuhlke 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 sites. Our 2021 baseline year emissions have been recalculated in 2023, using the same methods that were used for our 2023 emissions. We've worked with our partner Furthr who specialise in carbon accounting to calculate our emissions, and help us mitigate our impact. We begin calculating our 2024 emissions in 2025.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	228t
Scope 2	1291t
Scope 3 (Included Sources)	4493t
Total Emissions	6011t

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO _{2e})
Scope 1	263t
Scope 2	319t
Scope 3 (Included Sources)	7000t
Total Emissions	7582t

In 2023, total emissions have reduced by 11% from the previous year, due to two main reasons:

- Increased purchase of REGO's and REC's
- Increased data quality from estimations to actual data, including flight and ICT procurement data.

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 target 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

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline:

- Implementing an Environmental Policy
- Becoming ISO 14001 certified in our London and Zurich location
- Transitioning our energy consumption towards renewables. The share of renewables in our total energy consumption has increased from 16% in 2022 to 36% in 2023. 55% of our consumed electricity is from renewable sources and total energy consumption is down by 21% compared to 2022.
- Completing energy efficiency audits, as well as water and waste audits, and we identify areas for ongoing improvement.
- Assessing publicly available information on our supply chain to understand their impact and journeys, including reviewing their net zero targets.
- Incorporating environmental aspects in our Code of Conduct, Supplier Code of Conduct, and Business Travel Guidelines.
- Completing ESG onboarding training to all new starters and available learning resources for existing colleagues.
- Improving waste efficiency measures including waste stations and the weighing of waste to improve data quality in London and Manchester.
- Identifying sustainable hotels when required for business travel, as well as reviewing the formats for internal meetings.
- Encouraging local greener travel business travel and commuting, including a UK EV company car scheme and cycle-to-work schemes.
- Neutralising our total scope 1, scope 2, and part of our scope 3 emissions that we cannot reduce, through quality mitigation projects for carbon reduction and carbon removal.
- Introduced buy back schemes for IT hardware such as phones and laptops.
- Increased purchasing of eco-friendly products (such as cleaning, hygiene, and paper/ cardboard products). We are using 100% eco-friendly products for the above across 30% of our locations.

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

- Increase office efficiencies across our locations, including downsizing and moving to greener locations.

- Increase the coverage of our ISO 14001 certification to other locations
- Review our IT hardware and software purchases to understand how we can reduce our impact in this space
- Increase governance, such as implementing waste management plans

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>