

Carbon Reduction Plan

December 2021

Commitment to achieving Net Zero

STS Defence is committed to achieving Net Zero emissions by 2050 or earlier.

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.		
STS Defence Baseline Emissions calculations are taken from the following sources used between November 2020 and October 2021:		
Scope	Source of CO₂	Tonnes of CO₂ equivalent (tCO₂e)
Scope 1	Natural Gas (for heating)	96
	Vehicle fuel (for business use)	92
Scope 2	Electricity	118.96
Scope 3	Category 5: Waste Generated in Operations	147.83
	Category 6 - Business Travel	14.5
<p>This is the first year that STS Defence has measured our carbon impact and as such will form the baseline against which future emissions are measured. The aim of this plan is identify steps to ensure a year on year improvement in awareness and carbon reduction with a focus on net zero by 2050.</p> <p>There is a deviation from the measurable Scope 3 requirements as we are not yet able to accurately assess the impact of our supply chain.</p> <p>The supply chain impact will be calculated using the total amount spent on goods and services, and broken down further to identify:</p> <ul style="list-style-type: none"> Category 1 - Purchased goods and services Category 2 - Capital goods Category 3 - Fuel- and energy-related activities Category 4 - Upstream transportation and distribution Category 7 - Employee commuting Category 8 - Upstream leased assets Category 9 - Downstream transportation and distribution 		

Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	188.26
Scope 2	118.96
Scope 3	162.04

Total Emissions	469.26
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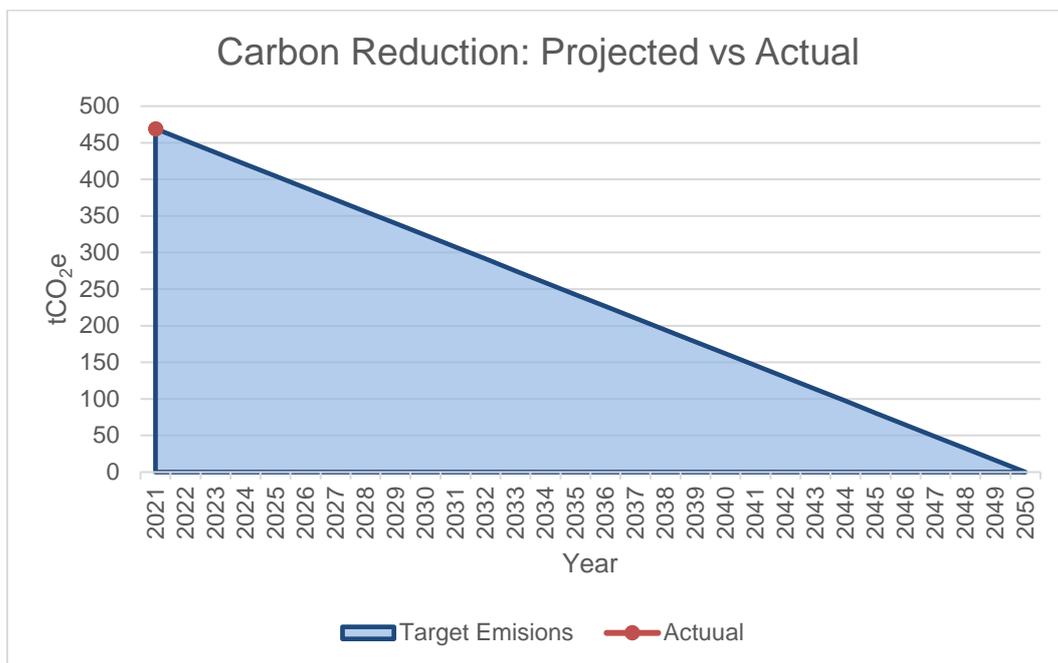
Current Emissions Reporting

Reporting Year: 2021	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	188.26
Scope 2	118.96
Scope 3	162.04
Total Emissions	469.26

Emissions reduction targets

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

We project that carbon emissions will decrease over the next five years to **375 tCO₂e** by 2026. This is a reduction of **20%** Progress against these targets will be tracked against the graph below:



Carbon Reduction Projects

Current Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. The carbon emission reduction achieved by these schemes is expected to equate to at least 13.8 tCO₂e, a 3% reduction against the 2021 baseline.

- ISO14001 accreditation by Lloyds Register.
- Installed a telematics system to our vehicle fleet to gain accurate data.
- Bike2Work Scheme.

- Waste is separation on site for metals, WEEE, mixed dry recyclables and general waste.
- Cardboard waste is repurposed by shredding into packaging material.
- The use of teleconferencing with partners, customers and suppliers, as well as within our teams.

Future Carbon Reduction Initiatives

In the future we will implement further measures such as:

- Implement a system to enable accurate measurement of our supply chain.
- Building redevelopment to create a low energy building with an air handling system to reduce heating costs.
- A modern and more efficient hot water system will use fewer natural resources.
- Sign up a green energy tariff in November 2022 when we renew our energy supplier.
- Upgrade our older less efficient fabrication equipment to a more modern solution which uses less energy.
- Changing to LED lighting throughout the site.
- Implement a car share scheme which links drivers or passengers with the same work patterns.

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 Managing Director

A handwritten signature in black ink, appearing to read "J Bowley".

Jonathan Bowley
Managing Director
December 2021

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>