CARBON REDUCTION PLAN

Publication date: 1st January 2025

LST Projects has set a long-term target to achieve net zero across Scope 1, 2 and 3 carbon emissions by 2050. Our baseline reporting year was 2023, the emissions are a record of the greenhouse gases that have been produced in the past. They are the reference points against which emissions reduction can be measured.

Baseline emissions footprint

Reporting period – 1st January 2023 – 31st December 2023

Scope 1

73.49	t CO2e	Total (tonnes)

Scope 2

8.45	t CO2e	Total (tonnes)

Scope 3

49.30	t CO2e	Total (tonnes)

Total

131.24	t CO2e	Total Organisation Emissions

Current Emissions Report

Reporting Period – 1st January 2024 – 31st December 2024

Consolidation Approach – Operational Control

Scope 1

439.74	kg CO2e	Stationary or Mobile Combustion Scheme
3,036.14	kg CO2e	Mains Gas
71,876.78	kg CO2e	Company Owned/Leased Vehicles
-	kg CO2e	Refrigerant Gas Loss Recharge
75,352.66	kg CO2e	Total
75.35	t CO2e	Total (tonnes)

Scope 2

8,969.76	kg CO2e	Total Organisation Energy Usage on Site
2,884.87	kg CO2e	Total Electric Vehicle Energy Usage
11,854.62	kg CO2e	Total
11.85	t CO2e	Total (tonnes)

Scope 3

699.61	kg CO2e	Total Organisation Energy Usage WFH
92.44	kg CO2e	Organisation Waste
9,715.58	kg CO2e	Business Travel (not using owned/leased Vehicles)
5,785.62	kg CO2e	Staff Commuting (not using owned/leased vehicles)
-	kg CO2e	Business Hotel or Event Activities
43.17	kg CO2e	Organisation Water Usage
1,062.75	kg CO2e	Transmission & Distribution Losses
24,209.34	kg CO2e	Well to Tank
41,608.51	kg CO2e	Total
41.61	t CO2e	Total (tonnes)

Total

128.82	t CO2e	Total Organisation Emissions

Emissions Reductions Target

LST Projects has set a target to reduce energy and fuel use by 25% by 2030 and to be net zero by 2050. This will require a reduction of 3.57% (4.69 tCO2e) per year from the 'Baseline' (first year - 2023) assessment of the organisation.

Energy Reduction Initiative

LST's pathway to net zero carbon has been developed as part of our Sustainability plan. Our overall approach to achieving net zero carbon follows a three-step process:

- Review - Assess and improve processes, tools and systems for carbon emission data collection.
- Reduce - Implement energy and carbon reduction and efficiency measures to reduce energy demand.
- Rebalance - Offset the remaining balance of carbon following reduce and renew measures (with restrictions).

In 2023, we undertook a thorough review of all carbon emissions reporting processes and data to form a robust baseline from which to set interim targets to achieve net zero carbon by 2050.

In an effort to reduce our energy usage we have implemented the following:

- We have implemented ISO 14001 Environmental Management across our company and we are audited annually.
- All our fleet vehicles are either ultra-low emissions vehicles (ULEVs) or zero emissions vehicles (ZEVs).
- PIR's installed in our office and site offices, and the use of light emitting diodes (LEDs) instead of regular lightbulbs.
- Encouragement of Digitised documentation where possible to reduce paper wastage.
- At our head office we recycle 100% of waste paper, printer cartridges and batteries to promote an 'energy saving ethos'.
- Our construction sites have targets of 98% of waste to be recycled.
- Utilisation of daylight-saving technology in all of our site offices is used to ensure zero-power over weekends and bank holidays.
- We maximise the use of natural light in our site offices by positioning desks and workstations adjacent to windows.
- Using the Local Supply Chain so as to reduce travelling time and the delivery of materials where possible.
- We encourage the provision of car sharing with our employees and supply chain.
- We are a supporter of the Bike to Work Scheme and also encourage the use of public transport and walking to work.
- Limit single use plastic on site and provide recycling bins throughout the works areas for plastics, cans, paper and any food waste.
- We provide a robust Site Waste Management Plan and monitor throughout the duration of our projects to promote a culture of carbon reduction thinking throughout the workforce.
- We encourage virtual meetings to avoid unnecessary travelling and resource wastage.

Future Carbon Reduction Initiative

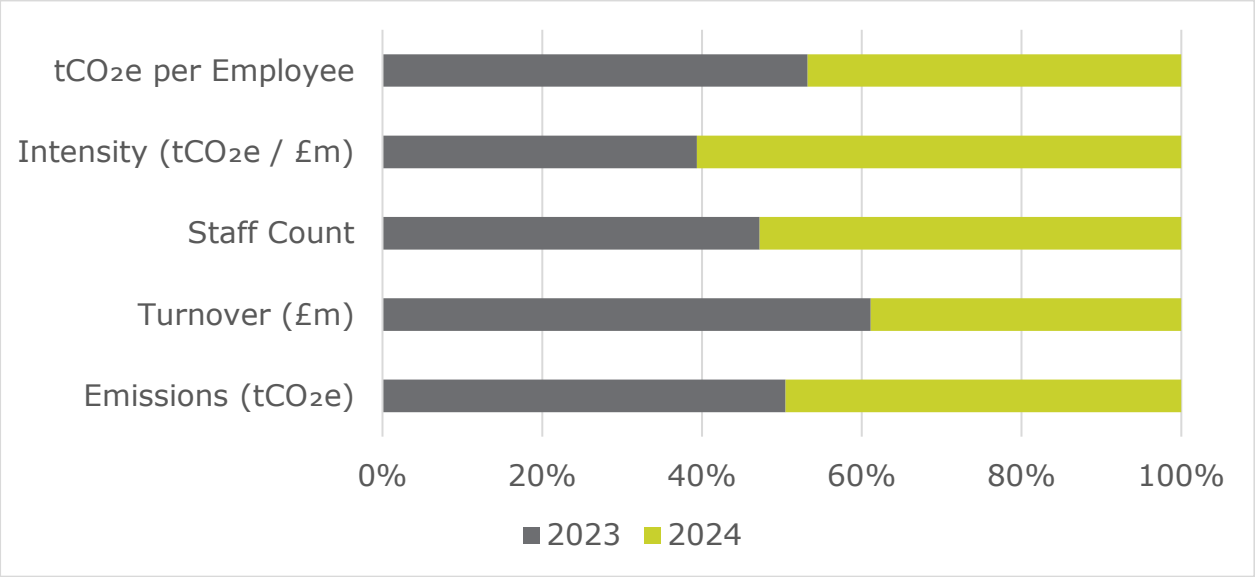
The carbon reduction initiatives that we would like to implement in the next 5 years:

- We are looking to invest in a new boiler at our head office to improve energy efficiency.
- Solar Panels to be installed at our Head Office. 100% of our electricity usage transferred to renewable energy tariff.
- We will look to hire our site welfare offices from suppliers who are offering eco cabins to reduce energy use on sites, including solar powered welfare units.
- Rainwater harvesting to site office and compound to recycle the natural water and reuse for toilet and urinal flushing.
- We will look to fully transition our car and van fleet to either Hybrid or Electric vehicles.
- Usage of hybrid/Biofuels/Electric plant and machinery where possible.
- Obtain ISO 14064 verification for company quantification and reporting of greenhouse gas emissions and removals.
- Obtain PAS 2080 – certification for carbon management in buildings and infrastructure.

We are helping our clients to be net zero through sustainable buildings and focus on providing net zero and lower carbon designs.

We continue to work with our supply chain to reduce emissions.

Carbon Efficiency Trend



In 2024, our total emissions decreased slightly by 1.8%, but turnover dropped by 36%, which temporarily increased the reported tCO_2e per £m turnover by 54%. However, a more meaningful measure — tCO_2e per employee — shows a 12% improvement year-on-year, demonstrating that the organisation became more efficient operationally, producing fewer emissions per person despite economic challenges.

This positive trend highlights the impact of sustainability initiatives and operational improvements. Maintaining this trajectory will help reduce emissions further and strengthen resilience against market fluctuations.

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 standard and uses the appropriate government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements (where required), 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) Standard.

This Carbon Reduction Plan has been reviewed and signed off by our Managing Director.

Reviewed by: Shaun Tuffin

Signed: 

Position: Managing Director