

CARBON REDUCTION PLAN

APRIL 2024

This document has been produced by LSI Architects (Design) Limited
in response to UK Government PPN 06/21

The content of this plan is signed off and endorsed by
the LSI Architects Board of Directors.

Supplier name: LSI Architects (Design) Limited

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COMMITMENT TO ACHIEVING NET ZERO

LSI Architects (Design) Limited is committed to achieving Net Zero emissions by **2050**.

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: 2021/22

Additional Details relating to the Baseline Emissions calculations:

The period between 1st September 2021 - 31st August 2022 is to be used as our emissions reduction and reporting against the requirements of the PPN, as there was no previous reporting that provided a full account of our Scope 1, 2 and 3 emissions.

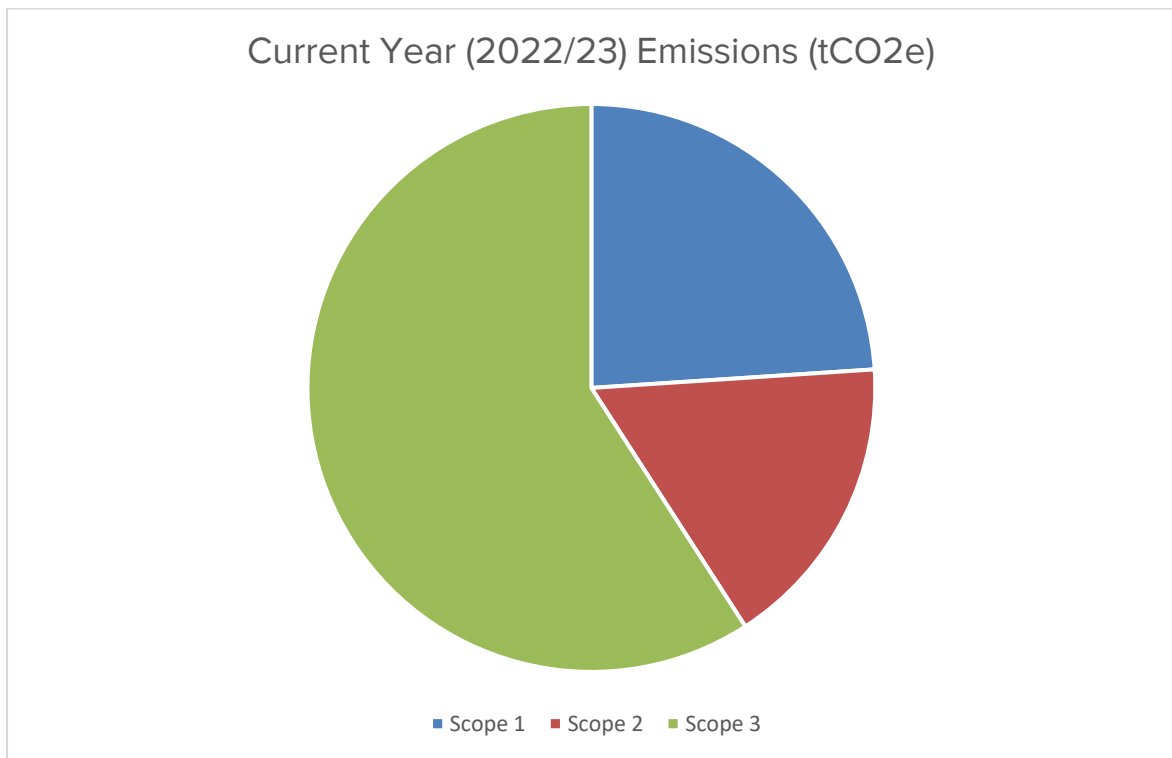
This baseline year was calculated following a report produced by Carbon Neutral Britain on our behalf, in accordance with ISO14064:1-2018 and the GHG Protocol Corporate Standard reporting requirements and including all applicable Scope 3 categories.

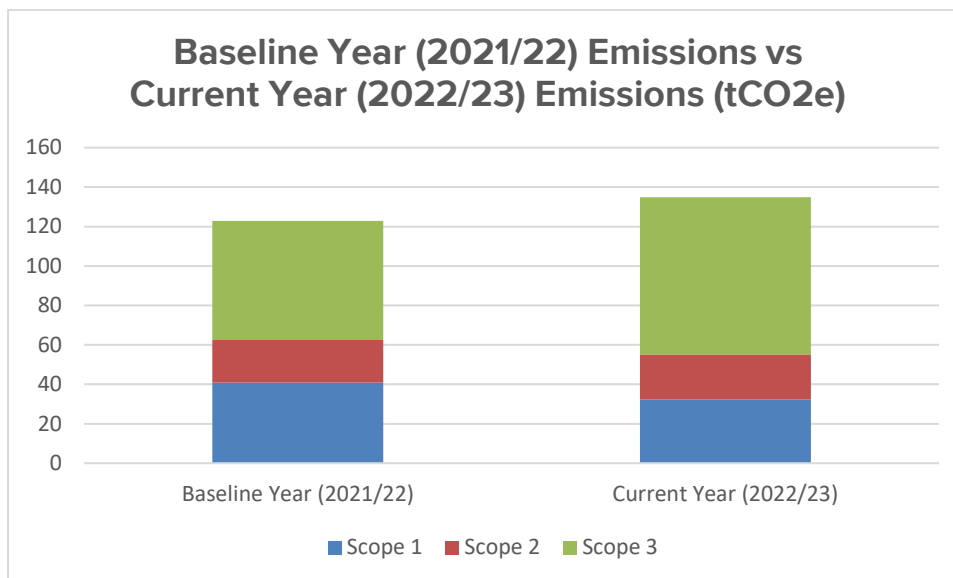
No emissions have been reported associated with Scope 3 Category 9 (downstream transportation and distribution) or Scope 3 Category 4 (Upstream transportation and distribution) as deliveries throughout the year contributed negligible carbon, under the expected 1% threshold to be assessed.

Baseline Year: 2021 – 2022 (1st September 2021 - 31st August 2022)	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	40.89
Scope 2	21.62
Scope 3 (Included Sources)	60.37 (Upstream transportation and distribution – 0 tCO ₂ e, waste generated in operations – 7.76 tCO ₂ e, business travel – 10.53 tCO ₂ e, employee commuting – 42.08 tCO ₂ e, downstream transportation and distribution – 0 tCO ₂ e)
TOTAL EMISSIONS	122.88

CURRENT EMISSIONS REPORTING

Reporting Year: 2022 – 2023 (1st September 2022 - 31st August 2023)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	32.32
Scope 2	22.82
Scope 3 (Included Sources)	79.76 (Upstream transportation and distribution – 0 tCO ₂ e, waste generated in operations – 9.23 tCO ₂ e, business travel – 11.72 tCO ₂ e, employee commuting – 58.81 tCO ₂ e, downstream transportation and distribution – 0 tCO ₂ e)
Total Emissions	134.90





In 2022/23 our absolute emissions (tCO₂e) increased by 9.8% compared to our 2021/22 baseline year. This was due to an increase in our scope 3 emissions, primarily from employee commuting increasing with more staff working in the office on a full-time basis. In 2022/23 we reduced our combined scope 1 and scope 2 emissions (tCO₂e) by 11.8% compared to our 2021/2022 baseline year. This performance was driven by reductions in emissions related to our electrical consumption, gas usage and business travel.

EMISSIONS REDUCTION TARGETS

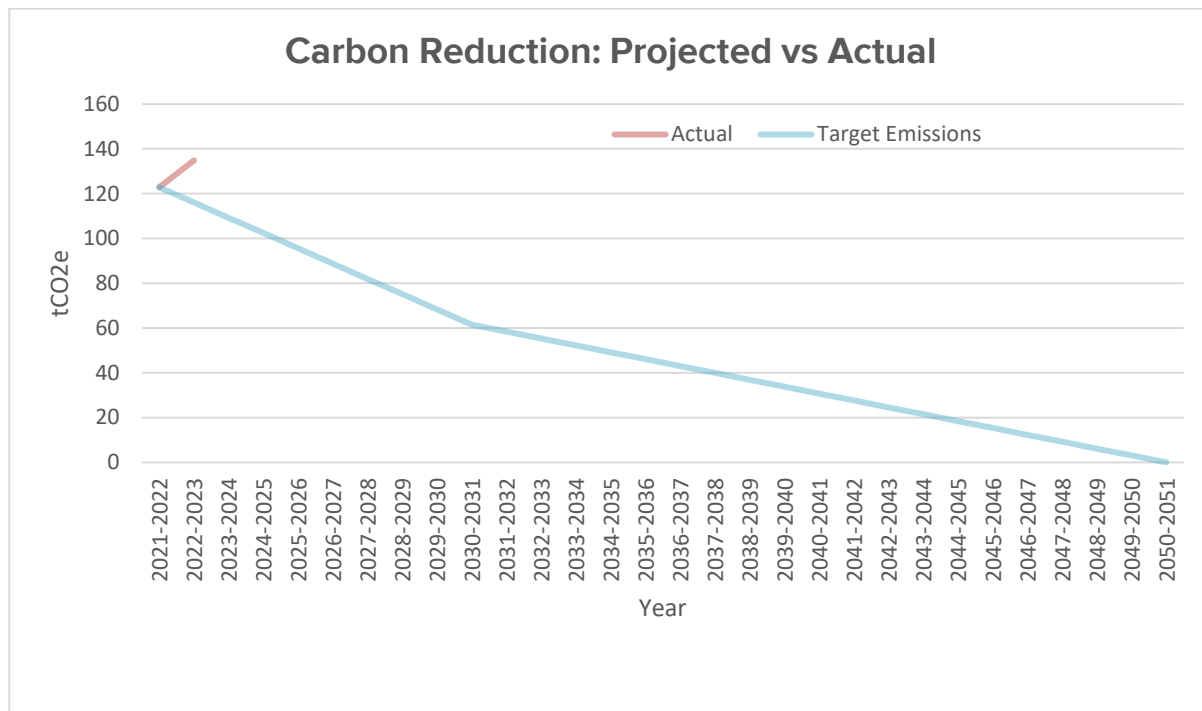
In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

- In order to achieve a 50% reduction in emissions from our baseline by 2030, LSI Architects (Design) Limited is required to reduce its emissions by **73.46 tCO₂e** over the next 6 years (from 2022-2023).
- This will require a reduction of **5.55% (6.82 tCO₂e)** per year from the 'Baseline' (first year) assessment of the organisation.
- A further reduction of **2.5% (3.07 tCO₂e)** each year is then required in order to achieve Net Zero.

Should significant changes to the business size and structure occur in the future – Carbon Neutral Britain will amend the 'baseline' assessment year, as well as look at intensity values (tCO₂e per million turnover, FTE or other metric), to further track and implement reduction strategies.

We project that carbon emissions will decrease over the next five years to **81.92 tCO₂e** by **2027-2028**. This would represent a reduction of **33%** from our baseline emissions.

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



Although some emission reductions will require technological and third-party improvements, LSI Architects (Design) Limited has identified the opportunity to target the three largest avoidable emissions sources of the organisation, in order to make the most impactful, and quickest reduction in emissions possible. The three largest avoidable emission sources are:

- Staff Commuting - 58.81 tCO2e (35% of total emissions)
- Mains Gas - 29.44 tCO2e (17% of total emissions)
- Total Organisation Energy Usage on Site - 22.06 tCO2e (13% of total emissions)

CARBON REDUCTION PROJECTS

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since or prior to the 2021-2022 baseline and the measures will be in effect when performing the contract:

- A long-range EV has been leased to act as the primary method of business travel.
- LSI Architects operates an Environmental Management System (EMS) accredited by BSI. As part of this EMS the following 'Environmental Targets' have been in place for a number of years prior to the baseline emissions being calculated:
 - Annual Energy Targets which has seen gas and electric usage in our Norwich office reduced from producing 75.4 TC02 in 2020 to 68.52 Tc02 in 2023.
 - Annual Printing Targets which has seen the number of prints reduced from 201,705 in 2018 to 61,235 in 2023.
- We have more recently reviewed and expanded our data capture and reporting on our business carbon footprint alongside our EMS targets.

- Commissioned a 3rd party verification and validation of our business carbon footprint in accordance with ISO14064-3.
- Three new EV charging points were installed at LSI's office for the use of staff and the company pool cars.
- LSI has partnered with Octopus Energy to provide an employee salary sacrifice scheme for EV's and has further subsidised this scheme to encourage staff to use EV's for commuting.
- A focus on upskilling our project teams with regards to sustainable design and ensuring consideration of environmental impacts in the planning stage of all our architectural projects. Although not measured under Scope 1, 2 or 3 these projects are the area in which LSI has the greatest potential to reduce carbon emissions.

Future Carbon Reduction Initiatives

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

- Installing Solar PV's at our Norwich location to reduce the carbon emissions associated with electricity use.
- Replacing our IT equipment with more energy efficient stock.
- Replacing our current heating system with a more energy efficient boiler to reduce gas usage at our Norwich location.
- Working with our London landlord to reduce carbon emissions associated with energy usage at our London location.
- Encouraging ride sharing, walking, and cycling to work wherever possible.
- Development of a supply chain net zero carbon strategy

DECLARATION AND SIGN OFF

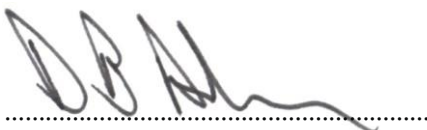
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate 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, 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 the board of directors (or equivalent management body).

Signed on behalf of the Supplier:



David Andrews
Chief Operating Officer
Date: 1st April 2024



Ben Goode
Chief Executive Officer
Date: 1st April 2024