



Groarke Electrical Services Ltd

Organisational Carbon Footprint Report

January 2023 - December 2023



neutral
carbon
zone

Blue Award
Modelled Organisational Emissions



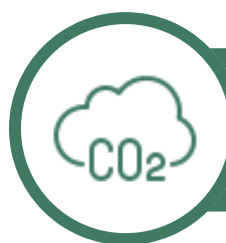
INTRODUCTION

The NCZ Blue Award models the carbon emissions generated by the organisation's activities in all areas for carbon emissions-producing activities. The NCZ Blue Award carbon footprint report is a critical step towards a comprehensive and commercially focused carbon management plan, ensuring all data is accurately accounted for and verified by NCZ.



SCOPE AND METHODOLOGY

This report uses carbon modelling, and therefore, it is not ISO-14064-1:2006 compliant. Carbon modelling is based on responses to an activity-based questionnaire and data from the NCZ database of historical measured emissions for organisations. The answers to the Blue Award questionnaire submitted by the organisation is deemed accurate but is not independently verified by NCZ.



CARBON EMISSIONS DEFINITION

In this report, the term 'carbon emissions' includes not only carbon dioxide (CO₂) but also other greenhouse gases (GHG) covered under the Kyoto Protocol, such as methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆).



ORGANISATIONAL BOUNDARIES

The boundaries for this carbon footprint modeling include company cars, natural gas, fuels, refrigerants, electricity, business travel, commuting, upstream and downstream deliveries, homeworking, water, waste, purchased goods and services, and well-to-tank emissions.



RESULTS AND CERTIFICATION

The results of the NCZ Blue Award are derived from modelling emissions, serving as a guide for organisations to understand their potential emissions if accurately measured. Full, accurate, and compliant measurement of all emissions requires completion of the NCZ Gold Certification.

Groarke Electrical Services Ltd engaged Neutral Carbon Zone to model their organisational carbon footprint. This report outlines the methodology and calculation principles used, modeling Scope 1 Direct Emissions, Scope 2 Energy Indirect Emissions, and Scope 3 Other Indirect Emissions for the reporting period from Jan 2023 - Dec 2023.



CARBON EMISSIONS DATA

The carbon emissions modeling results for Groarke Electrical Services Ltd for the reporting period are as follows:

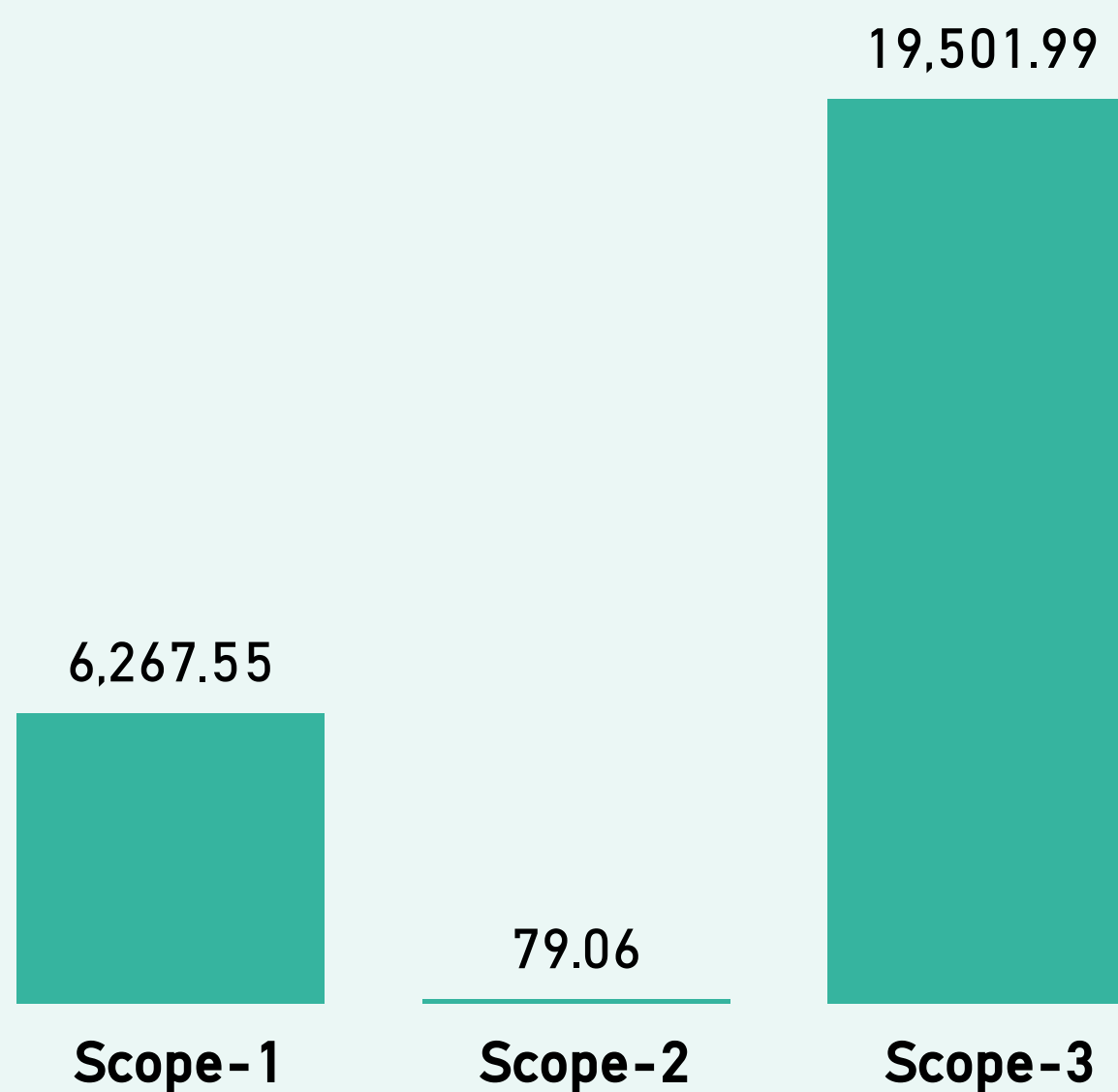
25.85

Tonnes CO₂e

**Total
Organisational
Carbon Footprint**



Total KG CO₂e by Scope



Scope-3 is identified as the highest emission driver. Further breakdown of emissions by category is provided in the following sections.



INTENSITY METRICS

Intensity metrics demonstrate an organisation's emissions relative to certain business aspects, such as headcount and revenue, enabling a company to show carbon efficiencies as it grows and absolute emissions increase.



Total Footprint (Kg CO₂e)

25,848.60



Total Footprint / Million Revenue (Kg CO₂e)

117,250.61



Total Footprint / FTE (Kg CO₂e)

6,462.15



CONCLUSION

Groarke Electrical Services Ltd has taken a crucial first step in understanding its carbon footprint. The next step is to accurately measure the full carbon footprint of all business activities in a compliant manner. For further assistance, please contact the NCZ team to book a free, no-obligation consultancy session.



ANNEX

Below is a summary of the data provided by Groarke Electrical Services Ltd.

Office Staff

Headcount	1
Average Working Days	5
Average Commuting Days	--

Other Staff

Headcount	3
Average Weekly Working Days	--
Average Weekly Day Commuted	5.00

% Office Staff Commuting via Public Transport	0
% Other Staff Commuting via Public Transport	0
Domestic Travel	Yes
International Travel	Yes
Total Distance Traveled using Company Vehicles (KM)	32K

Revenue (GBP)	220,456
Percentage of Company Spend on Goods	86
Percentage of Company Spend on Services	14



COMPANY DESCRIPTION

Groarke Electrical Services Ltd provides domestic, commercial and industrial electrical solutions from design to installation. Including automation, control panels, switch gear, software and commissioning.