



Cei Electrical Services Limited

Unit 27 • Solent Industrial Estate • Hedge End • Southampton • Hampshire • SO30 2FY
Telephone: 03300 242 707 • Email: sales@cei.uk.net • Web: www.cei.uk.net

CEI ELECTRICAL SERVICES LIMITED

CARBON REDUCTION PLAN

SEPTEMBER 2023



Introduction

At CEI we recognise that we face a collective and urgent imperative to drastically reduce greenhouse gas emissions generated by human activities to create a sustainable world for all life and move towards a carbon neutral future.

CEI Electrical Services Ltd. is committed to achieving “Net Zero” Emissions by 2040 for Scope 1 & Scope 2 emissions, as well as applicable Scope 3 emissions categories.

Baselines Emissions Footprint

Baseline emissions are a record of the greenhouse gases the have been produced in the past by CEI and will be used as a reference point against which CEI’s emissions reduction can be measured.

Baseline Year 2022

Emissions	Total tCO2e
Scope 1 Emissions	369
Scope 2 Emissions	13.4
Scope 3 Emissions	233



Our Plan

Scope 1 Emissions

Scope 1 covers emissions from sources that CEI controls directly. These emissions result from the combustion of fossil fuels within CEI's facilities or vehicles. To eliminate Scope 1 emissions, we will implement the following measures:

- Internal and external presentations on reducing emissions.
- Implementation of a Sustainability Attitudes survey to all CEI employees to understand and promote employee engagement.
- Introduction of a CEI employee Green Car Scheme, allowing employees the option to lease an Ultra Low Emission Vehicle (ULEV) car via salary sacrifice arrangement.
- The continued use of the Cycle to Work scheme.
- Undertake a review of our operative's requirements when travelling to site.
- Optimize vehicle routes and implement stringent vehicle maintenance schedules via vehicle tracking software
- Transition to hybrid vehicles initially with a plan to change to a fully electric fleet by 2035



Scope 2 Emissions

Scope 2 are emissions that CEI causes indirectly and come from where the energy it purchases and uses is produced. For example, the emissions caused when generating the electricity that CEI uses in our buildings fall into this category. To eliminate Scope 2 emissions, CEI will introduce the following measures:

- We will conduct an energy audit to identify areas where energy efficiency can be improved within CEI.
- Educate employees about energy conservation practices and encourage them to contribute to reducing energy consumption in the workplace.
- Implement energy-efficient technologies and practices, including the installation of Smart LED lighting within our Head Office.
- The installation of improved insulation in our Head Office.
- The installation of CHP systems that generate electricity and useful heat simultaneously, increasing energy efficiency and reducing emissions compared to separate power and heat generation.
- We will adopt a Smart building management systems to optimize energy use.
- The installation of a new insulated roof on our head office to increase the heat retaining ability of our building.
- The installation of a PV array on the new roof to reduce fossil fuel usage.
- We will implement advanced energy monitoring systems to track energy consumption and identify areas for further reduction.
- Improve power factor correction to reduce energy wastage and enhance the efficiency of electrical systems.
- Replacement of the Gas Boiler at our Head Office with an Air Sourced Heat Pump.



Scope 3 Emissions

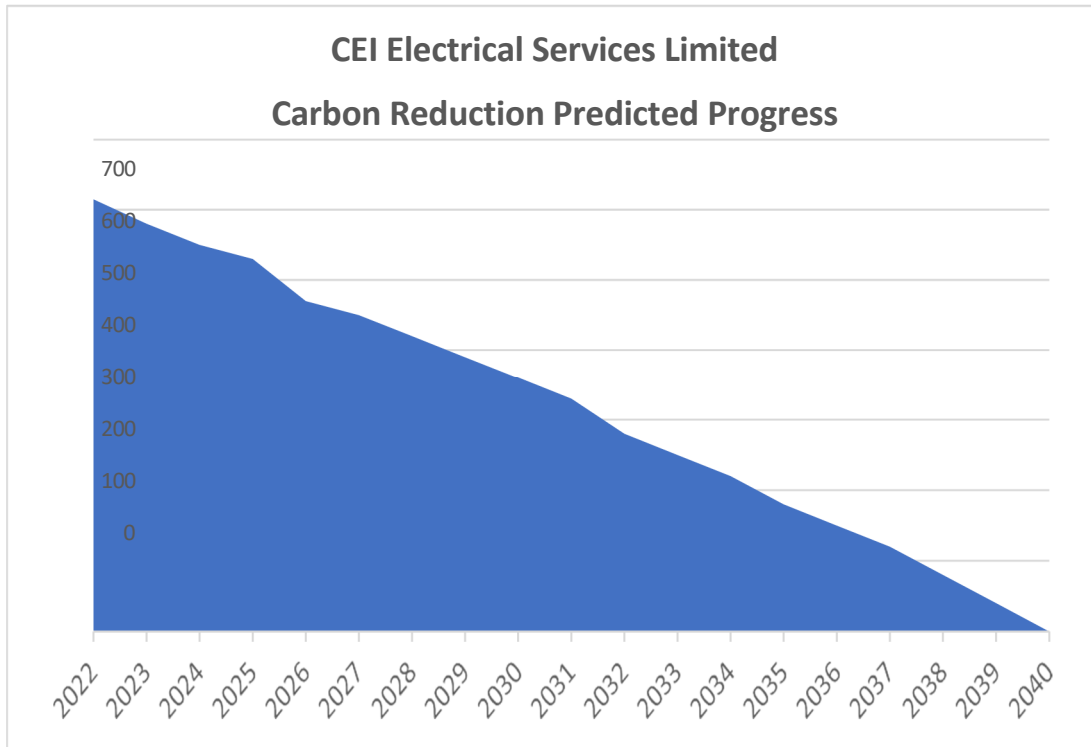
Scope 3 encompasses emissions that are not produced by CEI itself and are not the result of activities from assets owned or controlled by CEI, but by those that it's indirectly responsible for up and down its supply chain. An example of this is when we buy, use and dispose of products from suppliers. Scope 3 emissions include all sources not within the Scope 1 and 2 boundaries.

To eliminate Scope 3 emissions, CEI will introduce the following measures:

- We will collaborate with suppliers to encourage emissions reduction in their operations. This will include setting emission reduction targets, sourcing materials locally, or choosing suppliers with lower GHG emissions.
- We will recommend products to our customers which have a focus on energy efficiency, durability, and recyclability to reduce emissions during production and use.
- We will educate our customers on how to use the products we install more efficiently to reduce energy consumption and emissions.
- We will minimize waste generation through recycling, composting, and waste reduction programs and divert waste away from landfills and toward more sustainable disposal methods.
- Minimize single-use plastics and encourage reusable packaging.
- Educate employees and customers on responsible waste disposal.
- We will support the expansion of renewable energy generation by sourcing renewable energy from suppliers and encouraging the adoption of clean energy in the value chain.
- We will work with suppliers to reduce emissions in the production and transportation of goods.
- Prioritize suppliers with strong sustainability practices.
- Consider local sourcing to reduce transportation-related emissions.



Progress Monitoring



CEI will regularly measure and reporting our carbon emissions as part of their broader sustainability and climate action efforts, and we will assess the effectiveness of our carbon reduction initiatives.

We will adjust our plan based on changing circumstances and emerging opportunities.

Signed: *Adam Chafe*

Dated: 10th April 2023

Adam Chafe
Managing Director