

# CARBON REDUCTION PLAN

2024 /25 Review

# Carbon Reduction Plan (CRP)

Supplier name: **Quartzelec Ltd**

Publication date: **February 2026**

## 1. Introduction

Environmental considerations remain an important part of how Quartzelec operates. This document details the 2024/25 reporting year carbon baseline by capturing information required for PPN 006, including the companies carbon reduction activities. The CRP should be used in conjunction with the Quartzelec Environmental Impact Policy Statement and Corporate Social Responsibility Annual Review brochure.

Quartzelec has remained REGO (Renewable Energy Guarantees of Origin) certified during the reporting period, under the scheme administered by Ofgem. This certification confirms that electricity supplied to our UK operations was covered by renewable generation within the REGO framework, in line with recognised Greenhouse Gas (GHG) Protocol quality criteria.

Electricity, gas and vehicle fuel consumption, including business mileage, are tracked using the Energy Savings Opportunity Scheme (ESOS) framework to support the assessment of energy use and transport related emissions.

## 2. Methodology

Quartzelec methodology for reporting remains effective for the purpose of assessing progress towards environmental stewardship. Scope of Emissions data is collected from utility bills and waste providers data, which is entered into a tailored ESOS tracker to evaluate the organisation's greenhouse gas (GHG) emissions

## 3. Commitment to achieving Net Zero & Climate Related Targets

Our approach to achieving net zero, is based upon science-based targets (SBTi), continuous improvement and collaboration with all stakeholders.

- **2025** 100% renewable electricity (REGO certified) - UK facilities – completed;
- **2026** Complete ISO 14001 certification across all UK sites;
- **2027** Complete Company carbon footprint calculation (scope 1, 2 & 3);
- **2035** 50% reduction in Scope 1 and 2 emissions;
- **2045** 75% reduction in Scope 3 emissions;
- **2050** Achieve net zero emissions across all scopes.

## Other Climate-Related Targets

### ***Operational Efficiency***

- Upgrade heating, ventilation & AC, lighting, and equipment for energy efficiency;
- Implement smart energy monitoring in offices and facilities;
- Eliminate fossil-fuel heating where feasible;
- Continued investment in IT, comms systems, server reductions; etc;
- Minimise business travel (Teams).

### ***Fleet Transition***

- Transition company vehicles to electric or hybrid models by 2035 or earlier as technology becomes available;
- Optimise routing and delivery logistics for fuel efficiency.

### ***Renewable Energy***

- Procure 100% renewable electricity via contracts or on-site solar PV.

### ***Communication and Awareness***

- Communication of this policy to all employees;
- Provide training seminars on carbon reduction, net zero etc;
- Stakeholder engagement - advising and working with clients, supply chain, sharing best practice etc;
- Supply Chain - encourage key suppliers to adopt their own carbon reduction plans;
- Collaborate with our supply chain to further reduce related emissions.

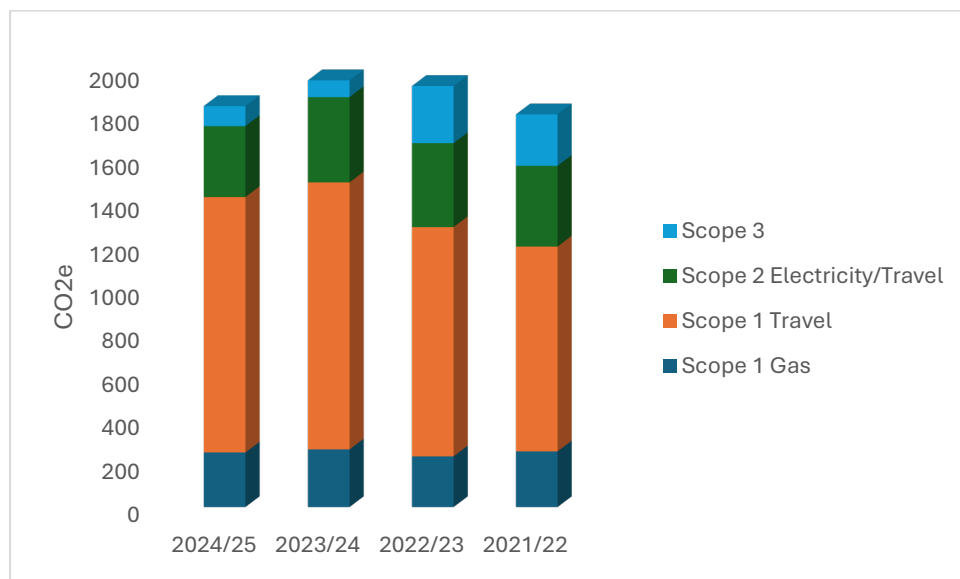
## 4. Contextual Understanding

In recent years, the business has experienced huge growth as it seeks to serve clients' increasing demand in the circular economy (repair of rotating machines) and electricity generation. This is represented in the table and graph below.

## 5. Emission Reporting Table and Graph

| CO2e (SECR)                | 2024/25 | 2023/24 | 2022/23 | 2021/22 |
|----------------------------|---------|---------|---------|---------|
| Scope 1 Gas                | 251     | 265     | 233     | 256     |
| Scope 1 Travel             | 1173    | 1226    | 1053    | 941     |
| Scope 2 Electricity/Travel | 325     | 391     | 385     | 370     |
| Scope 3                    | 92      | 77      | 262     | 236     |
| Total CO2e                 | 1841    | 1959    | 1933    | 1757    |
| Turnover £m                | 93.8    | 88.6    | 73.9    | 80.6    |
| Headcount (employees)      | 684     | 656     | 615     | 604     |

## Scope 1, 2 and 3 Graphical Trend



The graph shows an improving trend in emission reductions (6% over the last 12 months), despite a 13% increase in headcount since the baseline year and a 16% increase in turnover over the same period. Headcount and turnover reflect a busier operation, extended premises hours and greater mileage undertaken in the contracting sector.

## 6. Emission Reduction Specific Targets

As part of our journey to Net Zero, we aim to reduce Scope 1 and 2 emissions by 50% by 2035, and Scope 3 emissions by 75% by 2045, compared with our baseline year.

## 7. Carbon reduction projects

The following carbon reduction measures and projects have been completed or implemented.

- We are accredited to ISO 14001. The company completes annual environmental objectives, the risk registers in place are updated annually and focused on items such as our Project Turtle initiative in support of sustainable procurement and the reduction of single use plastics.
- During 2024/25, we have taken action to eliminate single use plastics at source that resulted in a reduction of 30kg of plastic waste materials across the business. Additionally in 2023/24 our appointed UK PPE supplier continued to remove all single use plastics at source from our supply chain over a 12-month period that saved 43.65kg of plastics.

- We are working with waste management specialist 'Waste Experts' to maximise the volume of waste that is recycled, repurposed or recovered, whilst improving operating and production efficiencies that reduce the amount of waste created.
- We have implemented at Quartzelec's head office in Rugby, a 724-panel solar photovoltaic (PV) system, providing on-site renewable electricity generation. The system was designed to supply electricity directly to the facility, ensuring that generated power is used efficiently within day-to-day operations. With a peak capacity of over 300 kW, the solar PV system provides a significant source of onsite electricity generation, contributing to overall site energy consumption and helping to reduce associated carbon emissions.
- Low energy, high efficiency LED lighting has been implemented into all our premises.
- We are REGO Certified. This certification confirms that electricity supplied to our UK operations is covered by renewable generation within the REGO framework, in line with recognised Greenhouse Gas (GHG).
- We have transitioned to Lower Emission Vehicles where appropriate, including the fleet transition from diesel to hybrid and electric vehicles. As electric battery technology improves, we will roll out further EVs, replacing the fleet currently reliant on carbon engines for very long distances and heavier payloads. Route optimisation software provided by Masternaut helps minimise unnecessary mileage across our van fleet, reducing fuel consumption, travel time and associated greenhouse gas emissions.
- We have introduced a range of energy efficiency measures, including annual audits, regular maintenance checks, energy consumption monitoring, and 'Switch It Off' awareness initiatives, to reduce energy use and associated carbon emissions across our offices.
- We continuously complete environmental awareness training - Quartzelec maintenance and promote the recycling culture.
- We have a culture of using Teams for meetings rather than travelling to sites.

## 8. Declaration and sign off

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 Streamline Energy & Carbon Reporting (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:



S Morrison

Managing Director

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Date: 06/02/26