



ELECTRICAL INNOVATION

Electrical Innovation Carbon Reduction Plan





Electrical Innovation is committed to achieving Net Zero emissions by 2040 in line with the Climate Change Act amended in 2019.

We understand that by achieving Net Zero we can minimise the effects of climate change for the world. We have been at the forefront of supporting private home-owners, private landlords and social housing providers with their energy needs since 2011. During this time, we have diversified our business to help customers live more simply, affordably and sustainably, by investing in the latest technology and working with our supply chain to develop efficient products.

Baseline Emissions Footprint (2023)

Baseline emissions are a record of the greenhouse gases that have been produced in the past prior to reduction methods being introduced. They are the reference point against which emissions reduction will be measured.

Baseline Year: 2023	
Additional Details relating to the Baseline Emissions calculations.	
First Base line calculation is fundamentally set on a small office set-up with a fleet of diesel vans utilised by our workforce – All office staff (100%) are working in the company office with an 8am to 4pm working day, the company office in open from 07:30am to 6pm, Monday to Friday.	
Baseline year emissions: 112.4 tCO ₂ e	
Emissions	TOTAL (tCO ₂ e)
Scope 1	107
Scope 2	0.8
Scope 3	4.6
Total Emissions	112.4 tCO ₂ e

Current Emissions Report (2024)

Baseline Year: 2024

Additional Details relating to the Baseline Emissions calculations.

First Base line calculation is fundamentally set on a small office set-up with a fleet of diesel vans utilised by our workforce – All office staff (100%) are working in the company office with an 8am to 4pm working day, the company office in open from 07:30am to 6pm, Monday to Friday.

Baseline year emissions: 76.5 tCO₂e

Emissions	TOTAL (tCO ₂ e)
Scope 1	73.1
Scope 2	0.8
Scope 3	2.6
Total Emissions	76.5 tCO ₂ e

Emission Reduction Targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets. We project that carbon emissions will decrease over the next five years to 70.38 tCO₂e by 2030. This is a reduction of 8%.

Carbon Reduction Projects

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets. We will achieve this by:

- Build our own net zero fully sustainable company premises.
- The replacement of some diesel vehicles with electric vehicles.
- Adding additional EV charge points.
- A 10% reduction of company waste, bringing us in line with government strategy.
- Disposing of printer ink cartridges correctly.
- Completing an agreement with the local Council and an appropriate WEEE contractor to ensure all waste is disposed of correctly.
- Adding Solar PV to the Main Office Buildings
- Adding an Air Source Heat Pump

Through our continuous improvement plans we will review and update our measuring techniques to measure other emissions, helping reduce them and set appropriate targets more accurately. We will help private, funded and social housing clients become Net Zero by 2050.

Measure we can complete to assist our clients in achieving their targets are the installation of the following products:

- Solar PV Systems
- Battery Energy Storage Systems
- Air Source Heat Pumps
- LED Lighting
- High Heat Retention Storage Heaters
- Energy Efficient Boilers
- Insulation Measures
- Electric Vehicle Charging Points
- Mixergy Smart Hot Water Cylinders
- Immersion Heater Hot Water PV Energy Diverters

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 our director:

Signed on behalf of Electrical Innovation (Wales) LIMITED:

Ross Jones (Director)



10.01.2025

¹ <https://ghgprotocol.org/corporate-standard>



¹ <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

⁴ <https://ghgprotocol.org/standards/scope-3-standard>