

# Carbon Reduction Plan

Supplier name: QED Scientific Ltd

Publication date: 27 June 2025

## Commitment to achieving Net Zero

QED Scientific Ltd 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: 2024**

### **Additional Details relating to the Baseline Emissions calculations.**

QED Scientific Ltd are fully engaged with reducing our carbon footprint with the aspiration of achieving Net Zero by 2050. Our carbon footprint was calculated for 23/24 but this excluded Scope 3 emissions, therefore we have re-baselined (2024) taking cognisance of Scope 3 emissions and providing a true representation of our carbon footprint. We do however recognise that as a small SME we are reliant upon the global effort to have a true impact on the reduction of our Scope 3 emissions, while Scope 1 and 2 are within our control to directly influence a sustained reduction towards our goal of Net Zero by 2050 and aspiration to accelerate this commitment in line with the NHS Net Zero target of 2045.

For reporting methodology and exclusions for 2024 QED Scientific Ltd have:

Adopted Operational Control approach to establishing the boundary. The methodology adopted in line with the Greenhouse Gas Protocol.

Does not have air conditioner or heat pump in its buildings.

Reported emissions from company owned or operated vehicles by mileage.

Reported emissions from business travel undertaken in employee vehicles by mileage claimed.

Reported emissions from other business travel by expenditure.

Reported emissions from employee commute using national transport statistics and number of full time equivalent employees.

Reported emissions from working from home.

Reported emissions from waste to report by quantity.

Reported emissions from upstream transportation and distribution by expenditure.

Reported emissions from purchased goods and services by expenses.

**Baseline year emissions: 2024**

EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	7.48
Scope 2	0.95
Scope 3 (Included Sources)	165.67
Total Emissions	174.09

## Current Emissions Reporting

**Reporting Year: 2024**

EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	7.48
Scope 2	0.95
Scope 3 (Included Sources)	165.67
Total Emissions	174.09

## Emissions 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 126.56 tCO<sub>2</sub>e by 2030. This is a reduction of 27.3%. (This projection equates to Scope 1 reduction of 3.74 tCO<sub>2</sub>e (50%), Scope 2 reduction of 0.47 tCO<sub>2</sub>e (50%) and Scope 3 reduction of 39.76 tCO<sub>2</sub>e (24%).

<sup>1</sup>Progress against these targets can be seen in the graph below:

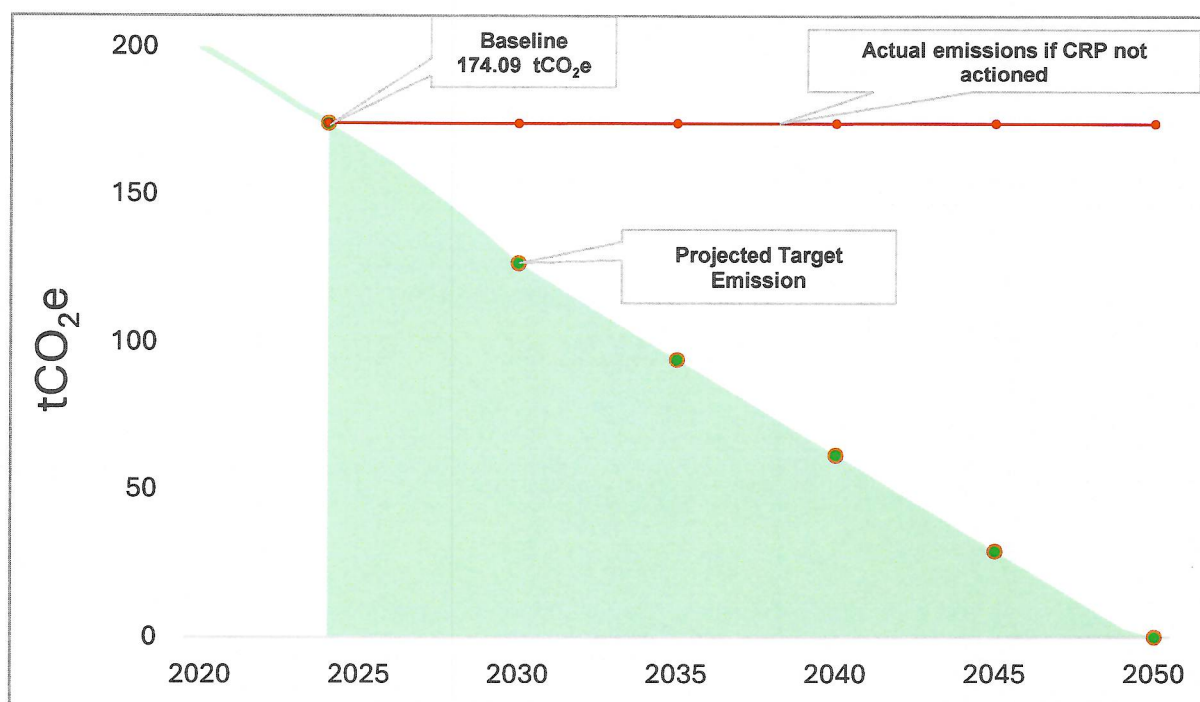


Fig 1: QED Scientific Ltd tCO<sub>2</sub>e Emission Reduction Targets 2024 – 2050

## GHG Emissions Data

Emissions source	Base year 2024-2025 Carbon (tCO <sub>2</sub> e)	Current Year 2024-2025 Carbon (tCO <sub>2</sub> e)
<b>Scope 1</b>		
Facilities	4.11	4.11
Vehicles	3.37	3.37
<b>Total Scope 1</b>	<b>7.48</b>	<b>7.48</b>
<b>Scope 2</b>		
Purchased Electricity	0.95	0.95
<b>Total Scope 2</b>	<b>0.95</b>	<b>0.95</b>
<b>Total Scope 1 &amp; 2</b>	<b>8.43</b>	<b>8.43</b>
<b>Total tCO<sub>2</sub>e per *FTE on gross scope 1 &amp; 2</b>	<b>2.11</b>	<b>2.11</b>
<b>Total tCO<sub>2</sub>e per *£m Turnover on gross scope 1 &amp; 2</b>	<b>8.27</b>	<b>8.27</b>
<b>Scope 3</b>		
Cat 01 - Purchased Goods & Services	97.14	97.14
Cat 04 - Upstream transportation & distribution	60.24	60.24
Cat 05 - Waste disposal	0.18	0.18
Cat 06 - Business Travel	6.88	6.88
Cat 07 - Employee Commuting	1.22	1.22
<b>Total Scope 3</b>	<b>165.67</b>	<b>165.67</b>



Total Scope 1, 2 & 3	174.09	174.09
Total tCO <sub>2</sub> e per *FTE on gross scope 1, 2 & 3	43.52	43.52
Total tCO <sub>2</sub> e per *£m Turnover on gross scope 1, 2 & 3	170.91	170.91

**Fig 2: GHG emission data QED Scientific Ltd 2024<sup>1</sup>**

## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

Our decision to re-baseline for 2024 to include Scope 3 emissions, allows QED Scientific to focus on further reducing our carbon emissions year on year, working towards net zero as illustrated on the above graph. The following environmental management measures and projects have been implemented since the 2024 baseline; these are all within our direct control and measurable, contributing towards our commitment to drive down our carbon emissions. These measures and others as we mature into this journey to Net Zero will be in effect when performing the contract:

- We are closing our office and moving to home / hybrid working during 2025/26.
- We are increasing use of online meetings, reducing the need for travel.
- We promote flexible / hybrid working where the role permits.
- We encourage increased recycling of all waste products and promote the same for employees at home. (Cardboard, Plastic, Tins, Shredded Paper, Printer Cartridges)
- Our business dealings are now 70% paperless with a new Customer Relationship management (CRM) system.
- We are increasing improved energy reduction awareness by switching off energy consumption sources that are not require; switching lights on / off as required, unplugging appliances when not in use etc.
- We are reviewing our company policies to embrace carbon reduction opportunities and implement in line with our commitment to Net Zero by 2050 and aspiration to accelerate this commitment in line with the NHS Net Zero target of 2045.

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

- Working with our supply chain to influence their carbon emissions with a positive effect on our own Scope 3 emissions.
- Adopting 'Best Practice' from within our sector and from neighbours.
- Consider ISO14001 certification.
- Set reduction targets for the consumption of electricity, gas and water.
- Reduce the amount of recyclable waste produced with the receipt and delivery of our products.

## Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 (updated 17 April 2025) 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<sup>2</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>3</sup>.

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<sup>4</sup>.

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:



Stuart Hobin

Managing Director

QED Scientific Ltd

Date: 27 June 2025

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1. Smart Carbon Ltd: Carbon footprint report for QED Scientific Ltd 01 April 2024 to 31 March 2025

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

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

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