

# Carbon Reduction Plan

Supplier name: Spectrum Medical Limited

Publication date: 29<sup>th</sup> March 2024

## Commitment to achieving Net Zero

Spectrum Medical is committed to achieving Net Zero emissions by 2045.

## 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: 2022**

### Additional Details relating to the Baseline Emissions calculations:

Spectrum Medical employed 90 people within the UK in 2022, across multiple facilities near Gloucester and Tewkesbury. These contain the following main functions within operational control: design, assembly and servicing. These multiple units are planned to be combined into a custom-built, state-of-the-art Headquarters, which has been carefully considered to improve environmental performance. As the company does not undertake manufacturing in-house, there are likely categories which will be material to competitors which are less material to Spectrum Medical.

This footprint was completed retrospectively based on the best available data which was representative at the time. Proxies were used in cases of low data availability, following the EEIO approach. In the event better accuracy can be achieved, e.g. 3<sup>rd</sup> party data availability, a re-baselining activity will be considered.

The relevant intensity metrics are Emissions per million Turnover (£75m) and per Employee (90):

4.16 tCO<sub>2</sub>e/£m and 3.46 tCO<sub>2</sub>e/employee, respectively.

### Baseline Year Emissions:

EMISSIONS	TOTAL (tCO <sub>2</sub> e)
<b>Scope 1</b>	76.9 - 18.0 tCO <sub>2</sub> e   Natural Gas - 18.9 tCO <sub>2</sub> e   Company Owned Vehicles - 40.0 tCO <sub>2</sub> e   Refrigerants
<b>Scope 2</b>	57.8 - 247,905 kWh consumed
<b>Scope 3</b> (Included Sources)	175.2 4. 3 <sup>rd</sup> Party Data not available   Upstream Transportation and Distribution 5. 3 <sup>rd</sup> Party Data not available   Waste Generated in Operations 6. 62.7 tCO <sub>2</sub> e   Business Travel 7. 112.5 tCO <sub>2</sub> e   Employee Commuting 9. 3 <sup>rd</sup> Party Data not available   Downstream Transportation and Distribution
<b>Total Emissions</b>	<b>309.9 tCO<sub>2</sub>e</b>

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## Current Emissions Reporting

### Reporting Year: 2023

Spectrum Medical employed 94 people within the UK in 2023, across multiple facilities near Gloucester and Tewkesbury. These contain the following main functions within operational control: design, assembly and servicing. The construction commenced of the custom-built, state-of-the-art Headquarters.

This footprint was completed retrospectively based on the best available data which was representative at the time. Proxies were used in cases of low data availability, following the EEIO approach. In the event better accuracy can be achieved, e.g. 3<sup>rd</sup> party data availability, a re-baselining activity will be considered.

The relevant intensity metrics are Emissions per million Turnover (£68m) and per Employee (94):

4.35 tCO<sub>2</sub>e/£m and 3.18 tCO<sub>2</sub>e/employee, respectively.

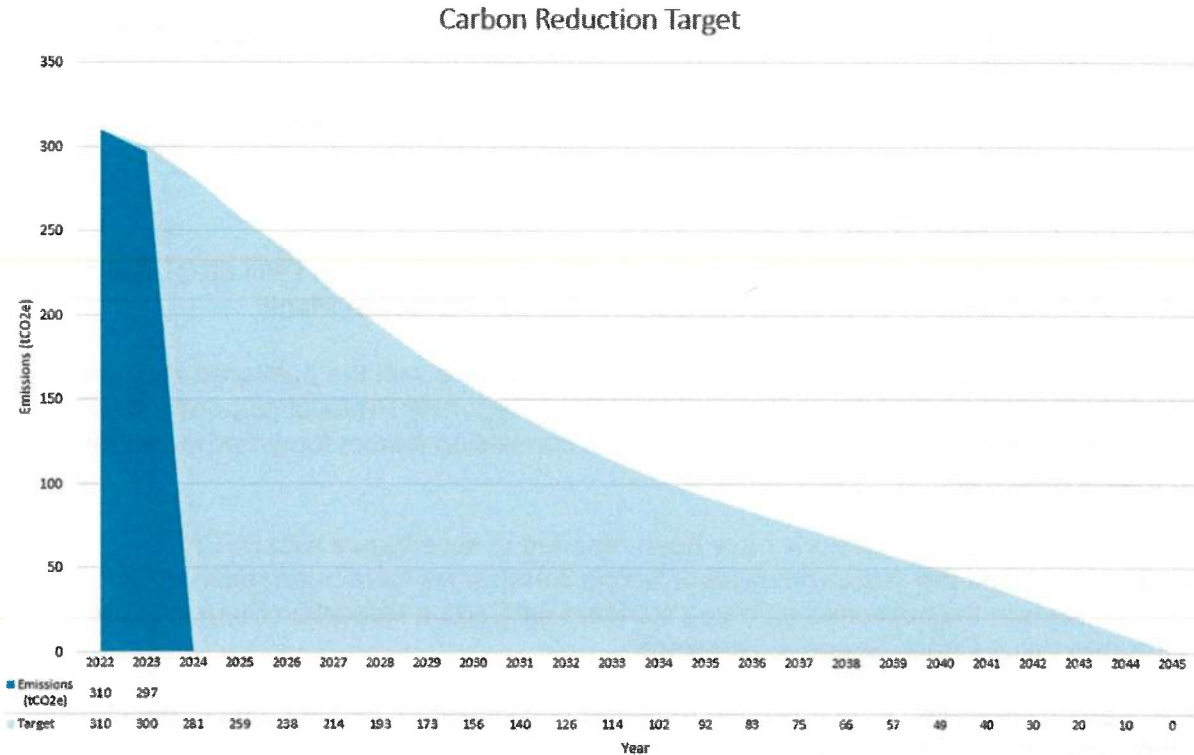
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	68.2 <ul style="list-style-type: none"> <li>- 16.8 tCO<sub>2</sub>e   Natural Gas</li> <li>- 16.4 tCO<sub>2</sub>e   Company Owned Vehicles</li> <li>- 35.0 tCO<sub>2</sub>e   Refrigerants</li> </ul>
Scope 2	57.1 <ul style="list-style-type: none"> <li>- 245,081 kWh consumed</li> </ul>
Scope 3 (Included Sources)	171.8 <ul style="list-style-type: none"> <li>4. 3<sup>rd</sup> Party Data not available   Upstream Transportation and distribution</li> <li>5. 3<sup>rd</sup> Party Data not available   Waste Generated in Operations</li> <li>6. 64.51 tCO<sub>2</sub>e   Business Travel</li> <li>7. 107.3 tCO<sub>2</sub>e   Employee Commuting</li> <li>9. 3<sup>rd</sup> Party Data not available   Downstream Transportation and Distribution</li> </ul>
<b>Total Emissions</b>	<b>297.1 tCO<sub>2</sub>e</b>

# Carbon Reduction Plan

## 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 156 tCO<sub>2</sub>e by 2030. This is a reduction of 50%. We aim to maintain alignment with the targets set in the Paris Agreement.

Progress against these targets can be seen in the graph below:



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2022 baseline. The carbon emission reduction achieved by these schemes equate to 13 tCO<sub>2</sub>e, a 4%ge reduction against the 2022 baseline and the measures will be in effect when performing the contract:

- **Product Design** – Spectrum medicals products are designed with the intent to be recycled at the end of their useful life. The design aim is that 90% of the products materials are recyclable. Wherever possible Spectrum will use recyclable materials in its packaging. Packing is designed to minimise the shipping footprint.
- **Supply Chain** – Spectrum Medical has a policy to resource materials as close to the manufacturing facilities as possible, with a targeted aim to get 80% of the supply base located with 100 miles of the manufacturing facility thus minimising transport impacts.
- **Production Facilities** – Spectrum Medical will actively seek to minimise the environmental impact of its manufacturing facilities. Incentivising electric vehicles and providing charging facilities to decarbonise employee commuting.

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

- Working with packaging suppliers to increase the use of recycled materials, and to further minimise the packaging footprint.
- Transitioning from Far East and American suppliers wherever possible to reduce transport impacts.
- Investing in new manufacturing facilities which meet the latest environmental standards.
- Gaining ISO 14001 certification across our global manufacturing base.

## 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</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>3</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:



Name: Mark Drain

Title: Chief Financial Officer

Date: 29<sup>th</sup> March 2024

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

<sup>2</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

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