



## **Carbon Reduction Plan**

**Supplier name: Avicenna Surgical Limited**

**Publication date: January 2025**

## Commitment to achieving Net Zero

Avicenna Surgical Limited 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: 2022

Additional Details relating to the Baseline Emissions calculations.  
2022 was the first year we completed a calculation of the exact tCO<sub>2</sub>e for each scope of the sector.

Please note, that this is our emissions before we began our plan to reduce our carbon footprint, so these values show the raw data of a rough portrayal of how much our company has been emitting yearly since we opened. We have consistently attempted to make a surface level effort in terms of reducing emissions by reducing waste by recycling and ensuring our packaging is recyclable, as just two of many examples. We have created this baseline based on 2022 due to no prior Scope 3 emissions reporting and substantial organisational change in 2021 and previously due to many factors, one being Covid-19.

### Baseline year emissions:

#### EMISSIONS TOTAL (tCO<sub>2</sub>e)

Scope 1	6.8
Scope 2	12.6
Scope 3 (Included Sources)	57.1

Broken down into 5 sections:

1. Business Travel
2. Waste generated in operations
3. Employee Commuting
4. Upstream transportation and distribution
5. Downstream transportation and distribution

### Total Emissions 76.5

## Current Emissions Reporting

### Reporting Year: 2024

Avicenna Surgical Limited Limited are currently looking into more accurately reporting our Scope 3 emissions by working with manufacturers and transport/delivery companies to ensure that this number is as accurate as possible. So far, we have taken all the data we currently have available to us to produce this number, however, particularly for up and downstream emissions and waste generated by operations, this is what we have been able to calculate so far. However, we hope to have a more accurate calculation by the end of 2025.

Overall the Company achieved 3.42% reduction in our carbon output in the 2024 reporting year.

## **EMISSIONS TOTAL (tCO<sub>2</sub>e)**

Scope 1	5.3
Scope 2	12.5
Scope 3 (Included Sources)	52.9

Total Emissions 73.2

## **Emissions reduction targets**

As this is Avicenna Surgical Limited's first Carbon Reduction Plan, we have adopted the following carbon reduction targets to begin our progress to achieving Net Zero.

We project that our scope 1 and 2 carbon emissions will decrease over the next five years to 17.62 tCO<sub>2</sub>e by the end of 2027. This is a reduction of 17.61%. Our scope 3 will be more accurately calculated and will also aim to decrease by 17.61%. this is a 3.8% reduction yearly.

Progress against these targets will be monitored and tabulated and presented in graph format in future reports.

## **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 will be calculated by end of 2023 in tCO<sub>2</sub>e and percentage reduction against the 2022 baseline, with the aim of around 3-5% reduction. The measures will be in effect when performing the contract.

Changed our lighting to LED throughout our facility with sensor control in all areas to further increase efficiency.

- We have changed our boilers to new gas-fired condensing combi boilers, which are 25% more efficient than regular boilers, using less gas to produce more heat and therefore cutting down carbon emissions significantly.
- We have implemented a new system into the warehouse, using electronic tablets to reduce paper usage and therefore waste.

We also have several ongoing projects which will help us achieve our carbon neutral aims each year.

- To upkeep our status of holders of the ISO14001:2015 by having both internal and external audits regularly and actively working to improve upon any areas which are flagged in these audits to ensure we are upholding this to the highest standard possible.
- To work with different suppliers to provide the most sustainable products we can, changing several of our products from disposable to reusable options to reduce waste.
- To work with new, local suppliers to reduce carriage and import emissions.
- To reduce the single-use packaging we add to our products, and promote the use of recyclable packaging with the aim to reduce waste via this method by 20% annually.

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

- Electrification of the company fleet.
- Carbon neutral shipping methods.
- Decreasing in-company travel emissions by encouraging public transport usage by

providing free train/bus tickets to anyone travelling for work purposes.

- Developing a recycling project in which we collect any disposed materials from our products or packaging and ensure they are appropriately disposed of or recycled, where applicable.

### **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 the board of directors (or equivalent management body).

Signed on behalf of the Supplier

A handwritten signature in black ink, appearing to be 'P. Baker', with a long horizontal flourish extending to the right.

Paul Baker  
Commercial Director  
Avicenna Surgical Limited  
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