

# **Optimus Medical Ltd**

## **CARBON REDUCTION PLAN**

Publication Date: 30 January 2023<sup>1</sup>

### **Contents:**

- Net Zero Commitment
- Baseline Historic Emissions Footprint
- Current Emissions Footprint
- Emission Reduction Targets
- Carbon Reduction Initiatives
- Declaration

### **NET ZERO COMMITMENT**

Optimus Medical Ltd is committed to achieving net zero emissions by 2050.

### **BASELINE HISTORIC EMISSIONS FOOTPRINT**

Baseline Year: 2021

Baseline emissions are a record of the historic greenhouse gases that have been produced by Optimus Medical in the past and were produced prior to the introduction of any strategies to reduce emissions.

Our baseline emissions are the reference point against which our future emissions reduction can be measured.

We measure our emissions in three ways, as follows:

Scope 1 – direct emissions by us

Scope 2 – emissions as a result of purchased electricity

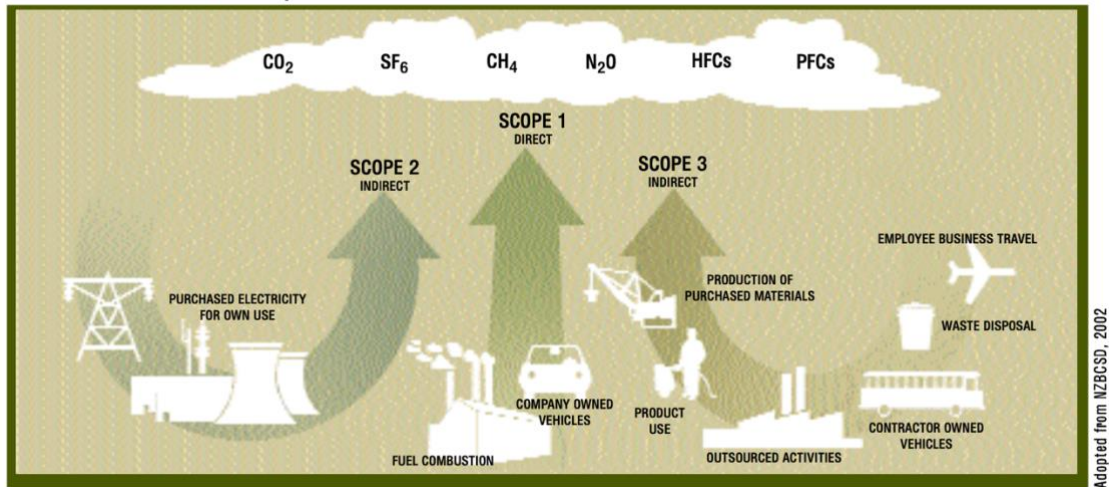
Scope 3 – emissions as a result of activities by people and companies in our supply chain, including customers and suppliers.

A diagrammatical overview of these emission types is illustrated below:

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<sup>1</sup> Optimus Medical will seek to publish its carbon reduction plan annually. Its report will cover the preceding calendar year, and we will seek to publish this by 30 January each year for the preceding year.

FIGURE 3. Overview of scopes and emissions across a value chain



Our baseline emissions in 2021 as a result of these scope 1, 2 and 3 emissions is shown in the table below:

Scope	Source Category	Description	tCO2e
1	Stationary Combustion	The business does not create any stationary combustion emissions.	-
	Mobile Combustion	Business travel by all field based employees <sup>2</sup> .	9.2
	Process Emissions	The business does not create any process emissions.	-
	Fugitive Emissions	The business does not create any fugitive emissions.	-
2	Purchased Electricity <sup>3</sup>	Total kWh used by Retford Enterprise Centre annually divided by 36 tenants.	1.5
3	Production of Purchased Materials	<ul style="list-style-type: none"> <li>- Capital Equipment 3.0</li> <li>- RF Consumables 17.8</li> <li>- Packaging Materials 3.2</li> <li>- Office Materials 1.5</li> <li>- Miscellaneous 0.5</li> </ul>	
	Product Use	It is not currently possible to verify the emissions incurred through use of the products in	-

<sup>2</sup> For mobile emissions we have used the standard formula for diesel vehicles of 0.185kg/mile.

<sup>3</sup> For purchased electricity, we have used the formula kWh x 0.21233kgCO<sub>2</sub>e ÷ 1,000 = tCO<sub>2</sub>e.

		theatres, including sharps disposal.	
	Outsourced Activities	None	-
	Contractor Vehicles	Imports, exports & domestic deliveries, by third party shippers <sup>4</sup> .	11.5
	Waste Disposal	General incinerated waste only. All recycled waste is omitted from this calculation.	2.1
	Employee Commuting	Estimate of emissions based upon commuting distance and type of all employees as at Jan-22.	1.8

### Baseline Emissions Summary

Scope 1 Emissions	9.2
Scope 2 Emissions	1.5
Scope 3 Emissions	41.4
<b>Total</b>	<b>52.10</b>

### **CURRENT EMISSIONS FOOTPRINT**

Assessment Year: 2022

Our scope 1, 2 and 3 emissions in 2022 together with any carbon offsets are shown in the table below: *note these emissions will be calculated as at 31 December 2022 and published by 30 January 2023.*

Scope	Source Category	Description	tCO <sub>2</sub> e
1	Stationary Combustion	The business does not create any stationary combustion emissions.	-
	Mobile Combustion	Business travel by all field based employees <sup>5</sup> .	8.8
	Process Emissions	The business does not create any process emissions.	-

<sup>4</sup> We have used the DHL Carbon Calculator with an average weight of 3kg per domestic consignment, and 30kgs per import/export.

<sup>5</sup> For mobile emissions we have used the standard formula for diesel vehicles of 0.185kg/mile.

	Fugitive Emissions	The business does not create any fugitive emissions.	-
2	Purchased Electricity <sup>6</sup>	Total kWh used by Retford Enterprise Centre annually divided by 36 tenants.	1.5
3	Production of Purchased Materials	<ul style="list-style-type: none"> <li>- Capital Equipment 3.0</li> <li>- RF Consumables 15.5</li> <li>- Packaging Materials 2.9</li> <li>- Office Materials 1.5</li> <li>- Miscellaneous 0.5</li> </ul>	
	Product Use	It is not currently possible to verify the emissions incurred through use of the products in theatres, including sharps disposal.	-
	Outsourced Activities	None	-
	Contractor Vehicles	Imports, exports & domestic deliveries, by third party shippers <sup>7</sup> .	10.5
	Waste Disposal	General incinerated waste only. All recycled waste is omitted from this calculation.	2.1
	Employee Commuting	Estimate of emissions based upon commuting distance and type of all employees as at Jan-22.	1.5

### Current Emissions Summary

Scope 1 Emissions	8.8
Scope 2 Emissions	1.5
Scope 3 Emissions	37.5
Carbon Offsets	(-)
<b>Total</b>	<b>47.8</b>

Our 2022 emissions total 92% of our baseline 2021 emissions.

<sup>6</sup> For purchased electricity, we have used the formula kWh x 0.21233kgCO<sub>2e</sub> ÷ 1,000 = tCO<sub>2e</sub>.

<sup>7</sup> We have used the DHL Carbon Calculator with an average weight of 3kg per domestic consignment, and 30kgs per import/export.

## **EMISSION REDUCTIONS TARGETS**

Optimus Medical will seek to reduce its net emissions<sup>8</sup> to net zero by 2050. The following 5-Year targets have been adopted.

Target Date	Reduction Target %
31 December 2025	10%
31 December 2030	20%
31 December 2035	30%
31 December 2040	40%
31 December 2045	50%
31 December 2050	100%

## **CARBON REDUCTION INITIATIVES**

Optimus Medical, after consultation with staff, customers, suppliers and other stakeholders, is implementing or will implement the following environmental management measures and carbon reduction initiatives going forward.

Nr.	Initiative	Status
1.	Adoption of ISO:14001	WIP
2.	Office electricity usage reduction, comprising introduction of 100% LED lights, all office equipment switched off at end of each working day, open windows rather than AC in summer, intermittent heating in winter, company sweaters.	Complete
3.	Centre purchased electricity reduction: fitting of new wind vane and flat roof solar panels.	WIP
4.	All company business use vehicles to hybrid or full electric.	WIP
5.	Use of trains for business travel wherever possible.	Complete
6.	Use of video conferencing instead of business travel wherever possible.	Complete
7.	Use of sea rather than air routing for all international imports and exports.	WIP
8.	Introduction of cycle-to-work scheme to reduce commuting emissions.	Complete
9.	All packaging materials 100% recyclable.	Complete

<sup>8</sup> Net emissions = actual emissions – carbon offsets

10.	All packaging materials at least 90% recycled (currently 70%).	WIP
11.	All RF consumables boxes to be recycled by customer: <i>"please recycle me"</i>	Complete
12.	All stationery products to be at least 90% recycled and recyclable.	WIP
13.	Waybill stickers on all shipments instead of envelopes.	Complete
14.	Paperless supplier invoices "paperless where possible". Including paperless archiving of all existing invoices.	WIP
15.	Switch to reusable water containers for water coolers.	Complete

## **DECLARATION**

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and GHG reporting standards 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.

**Signed on behalf of Optimus Medical Ltd:**

**D K Rhodes**  
**Director**  
**30 January 2022**