



Medasil Surgical Limited Carbon Reduction Plan

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Commitment to achieving Net Zero

Medasil Surgical Limited is committed to achieving Net Zero emissions by 2045 at the latest.

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 formal strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Emissions For year: 01 January 2021 – 31 December 2021	tCO₂e
Scope 1 – Natural gas	16.96
Scope 1 – Vehicle fuel	0.87
Scope 2 - Electricity	37.98
Scope 3	81.47
Purchased Goods and Services	45.30
Transmission and distribution (electricity and gas inc. WTT)	17.04
Transportation and distribution to customers	2.29
Waste generated in operations	0.07
Business travel	0.48
Employee commuting and home working	16.29
Total Emissions	137.28
Per employee emissions	4.43
Per £m revenue emissions	98.96
Additional Details relating to the Baseline Emissions calculations	
The figures in this report refer to emissions under Medasil Surgical Limited operational control. The conversion factors used are for location based reporting.	
Part of this plan is to improve the scope and accuracy of data going forward.	
All data has been compiled with reference to and using data from:	

- <https://ghgprotocol.org/corporate-standard>
- <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting> (2021, 2022 and 2023 data set)

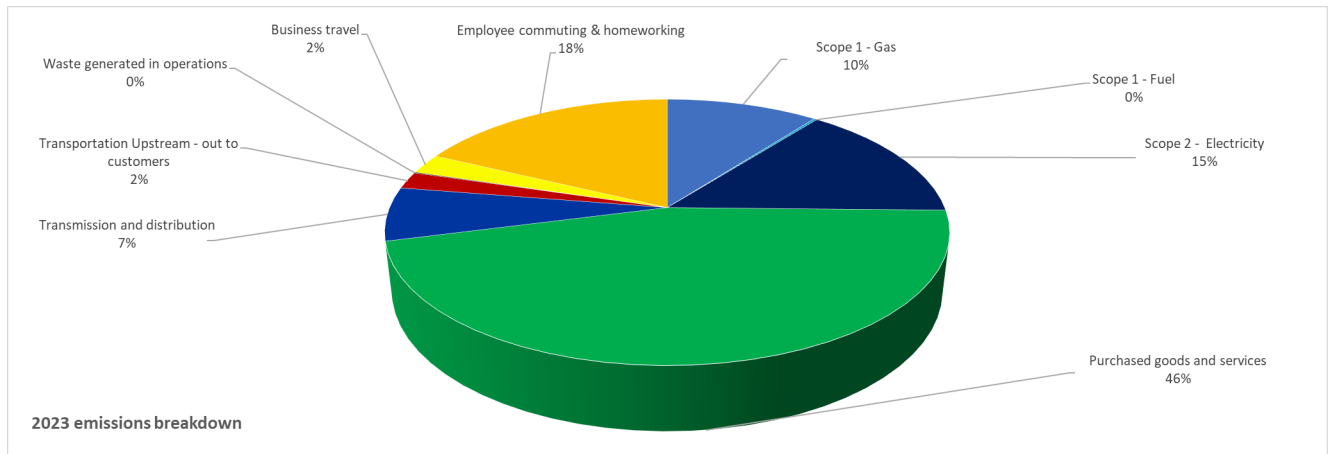
The figures and information used in calculations have been provided as accurate to the best of our knowledge and as far as practicable we have assumed that figures are representative of our operations. We undertake a continual process of improving our data quality. The baseline year has been recalculated due to the inclusion of additional Scope categories and availability of more accurate data. We may recalculate the data in the future if any further material changes in the data quality or scope are made,.

Current Emissions Reporting

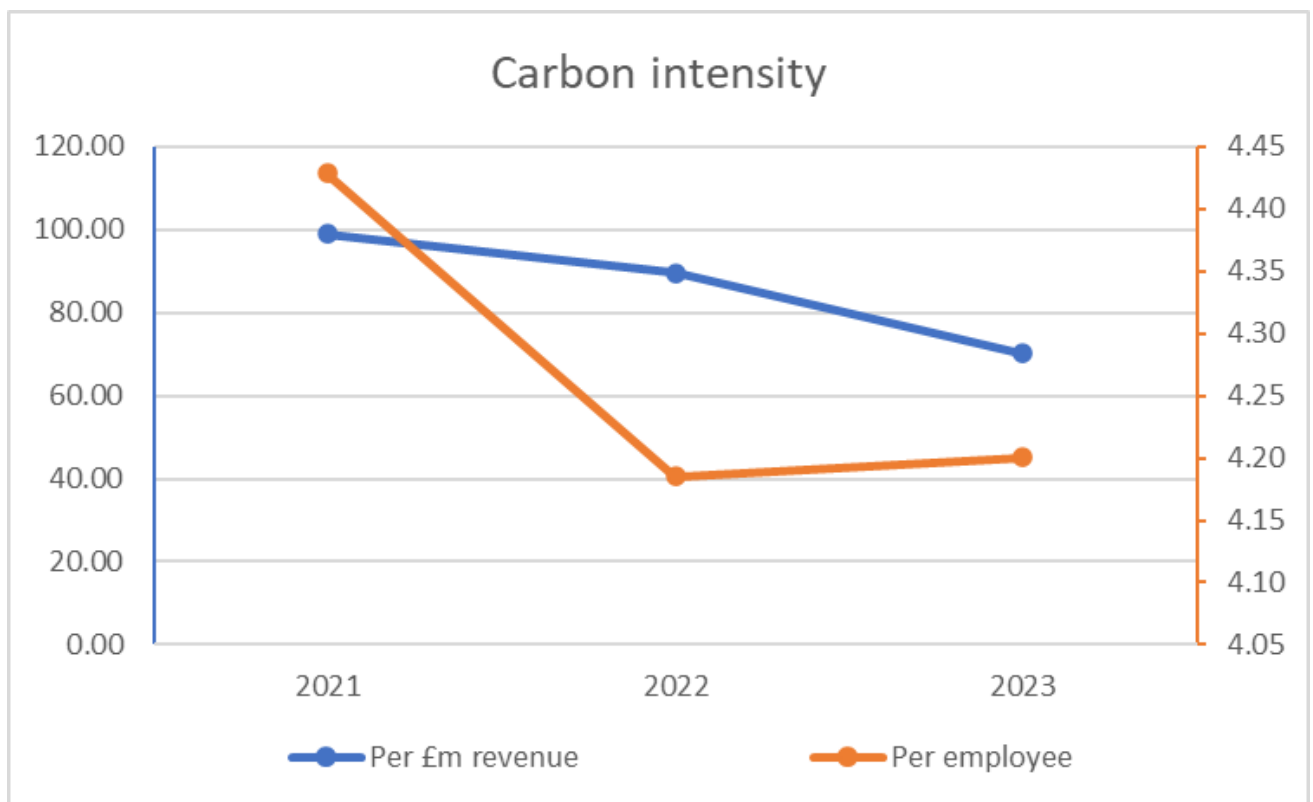
As baseline

Current Emissions For year: Date A – Date B	tCO₂e 2023	tCO₂e 2022	tCO₂e Baseline (2021)
Scope 1 – Natural gas	16.17	17.75	16.96
Scope 1 – Vehicle fuel	0.31	0.76	0.87
Scope 2 - Electricity	22.87	24.83	37.98
Scope 3			
Purchased Goods and Services	70.97	53.39	45.30
Transmission and distribution (electricity and gas inc. WTT)	10.16	11.78	17.04
Transportation and distribution to customers	3.23	1.47	2.29
Waste generated in operations	0.16	0.09	0.07
Business travel	3.80	10.71	0.48
Employee commuting and home working	27.77	25.69	16.29
Total Emissions*	155.43	146.47	137.28
Per employee emissions*	70.14	89.51	4.43
Per £m revenue emissions*	4.20	4.18	98.96

*Using source data, eliminating rounding errors



While absolute emissions have risen predominantly from 60% revenue growth since 2021, intensity has dropped across the same period.



Data

Assessment

Scope / category	Relevance (materiality based)	Data quality (1 = certain, 5 = uncertain)
Scope 1 – Natural gas	High	4
Scope 1 – Company fuel	Low	3
Scope 1 – Fugitive emissions	Not applicable	-
Scope 2 - Electricity	High	1
Scope 3		
1. Purchased goods and services	High	4
2. Capital goods	Not applicable	-
3. Transmission and distribution (gas and electricity)	High	4
4. Upstream transportation and distribution	High	3
5. Waste generated in operations	Low	2
6. Business travel	Low	3
7. Employee commuting	High	3
8. Upstream leased assets	Not applicable	-
9. Downstream transportation and distribution	Not applicable	-
10. Processing of sold products	Not applicable	-
11. Use of sold products	No data available*	-
12. End-of-life treatment of sold products	No data available*	-
13. Downstream leased assets	Not applicable	-
14. Franchises	Not applicable	-
15. Investment	No data available*	-

* will be reported when data is available

Data improvement plan

Our ambition is to:

Category	Action
3.1, 3.4,	Engage suppliers to encourage and support them to provide emissions data and their own Net Zero plans.
3.6	Capture business travel distance and mode of travel at time of travel or expense claim
3.7	Capture commuting data through time and attendance systems
Various	Longer term we will work with customers to understand the emissions associated with use and end of life treatment of products

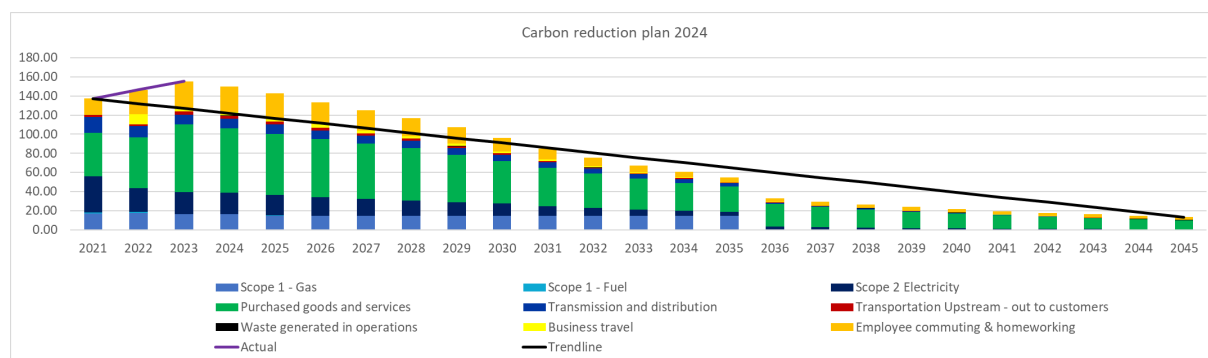
Emissions reduction targets

In order to progress to achieving Net Zero, we have adopted the carbon reduction targets detailed in the graph below.

These targets will be updated and recalculated as additional Scope 3 categories are added and data quality is improved (if changes create >5% variance in original calculations).

We project that carbon emissions will decrease to circa 96 tonnes by 2030. This is a reduction of 30% from our baseline year, on average a 3.3% year on year reduction.

Our reduction path is plotted below.



As our footprint is dominated by purchased goods we have assumed reductions from supplier reduction plans, market forces and innovation. We anticipate this aspect of our reduction plan will change significantly as we get more primary data from suppliers and engage with them on reduction options. We have also assumed reductions from government projected grid electricity decarbonisation and the adoption of lower carbon vehicles and fuels from 2030 based on current legislation and manufacturer plans.

The plan assumes some unavoidable emissions will remain by 2045, and these will be offset via a verified method of atmospheric CO₂ removal.

We anticipate this path will change significantly over time as our options are evaluated and technology changes.

Completed carbon reduction projects

- No record savings from emission reduction projects in this year.

Future carbon reduction initiatives

1. Engage supply chain to understand and where possible support their carbon reduction plan development and delivery.
2. Strategy to replace gas heating and hot water by 2035; including potential for renewables on site and electrification of heating.
3. Encourage and incentivise employees to transition to lower carbon vehicles upon replacement; including installation of EV charging points and consideration of EV salary sacrifice schemes.

4. Engage customers to understand and where possible support their carbon reduction plan development and delivery.
5. Engage employees to educate and where possible support their home energy efficiency and heating transition away from fossil fuel sources.

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 standard¹, the Corporate Value Chain (Scope 3) Standard².and uses the appropriate Government emission conversion factors for greenhouse gas company reporting³.

The Scope 3 emissions reported have been calculated 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 Medasil Surgical:

Gillian R Hassall Date: 4-Dec-2024
Gillian R Hassall (Dec 4, 2024 10:26 GMT).....Date:

Gillian R Hassall

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

²<https://ghgprotocol.org/standards/scope-3-standard>

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

Appendix – Calculations

All conversion factors applied to relevant units to generate Kg CO₂e, then reported as t CO₂e.

Scope 1:

Gas – kwh of natural gas reported multiplied by relevant conversion factors*

Fuel – applying mileage conversion factors* to reported mileage data.

Scope 2:

Electricity - kwh of electricity reported multiplied by relevant conversion factors*

Scope 3

3.1 Purchased goods and services

Materials purchased and received were categorised, quantified by unit and had the material weight per unit applied. Materials conversion factors were then applied by material type, with bespoke conversion factors from Sustainable X where the material type was not available in the standard data set*.

3.3 Transmission and distribution

Electricity – Applying the scope 2 electricity data to the appropriate conversion factors*

Note: In this category we have included well-to-tank emissions

3.4 Transportation and distribution

Outbound deliveries had primary emissions data provided by the supplier.

3.5 Waste generated in operations

Waste provided by the waste service provider, had the appropriate conversion factors* applied.

3.6 Business travel

Business travel mileage was calculated applying the relevant conversion factors to distance by mode of travel and hotel nights by country.

3.7 Employee commuting and home working

Annual commuting distances by mode of travel were multiplied by the relevant emissions factors*.

Full time equivalent working hours from home had the relevant conversion factor* applied.

* Taken from <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting> for relevant years