Annual Carbon Report

April 2024 - March 2025

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Report Date : 23-07-2025

Prepared By:

Powered By:

Annual Carbon Report

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This report has been produced by **CBN Expert** using notch accounting platform for **RB Medical Engineering**

Company Overview

Design, manufacture and distribution of medical devices predominately to the NHS, other private medical groups and professional organisations. We also supply bespoke engineering products and services to a range of specialist customers.

Year Incorporated	2001
Industry	**Manufacture of medical and dental instruments and supplies**
No. of Staff	31
No. of Offices	1
No. of Production Sites	1
No. of Company Vehicles – Trucks	0
No. of Company Vehicles – Other	1

Reporting Period

April 2024 - March 2025

Benchmark Year

April 2021 to March 2022

Qualification & Reporting Methodology

This report has been created using the Environmental Reporting Guidelines, including Streamlined Energy & Carbon Reporting (SECR) guidance issued by the UK Government in April 2019.

Where they exist, notch uses the UK Government published carbon conversion factors relevant to the reporting period. Where emissions, without published conversion factors have been used, these have been determined by notch in consultation with relevant stakeholders and any industry norms or standards that exist. The details of these are included in the Data Declaration section of this report.

Net Zero History

The group is fully committed to sustainability and has pledged to be carbon net zero by 2045

Net Zero Committed Date

2045

Reporting Boundary

Operational

Optional Scope

Emissions from Scope 1 & 2 have been measured in accordance with SECR requirements. The Scope 3 emissions that have been included are:

- Purchased Goods & Services
- Fuel & Energy Related Activities
- Upstream Transportation & Distribution
- Waste Generated From Operations
- Business Travel
- Employee Commuting
- Downstream Transportation & Distribution
- End-of-Life Treatment of Sold Products

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Net Zero Leadership

RB Medical Engineering is fully committed to achieving Net Zero across its organization. To support its transition to Net Zero **RB Medical Engineering** has appointed and communicated publicly senior sponsor(s). The appointed sponsor(s) are

Sponsor(s): Chad Harris

Position: Managing Director

Appointed: April-2022

Net Zero Priorities

RB Medical Engineering has the mitigation of GHG Emissions as a priority for the business, initially with a focus on Scope 1 & 2 emissions as well as key Scope 3 categories.

The company has implemented a number of initiatives during the year to both mitigate GHG Emissions as well as to expand the company's visibility and understanding of key categories of Scope 3 emissions.

The immediate aims of the company are as follows:

- The following considerations are set out in the Group Operating Policy, in support of Andrew Industries' commitment to being a sustainable organisation:
  · Ensuring compliance with applicable local legislation and adoption of appropriate codes of practice.
  · Integration of sustainability concepts and opportunities into business decision making.
  · Evaluating the environmental impact aspects of the business that have a lifecycle perspective, with a preference to sustainable consumption and production.
  · Encourage waste handlers, both internal and external, towards zero landfill targets.
  · Making key suppliers aware of the Sustainability Policy and encouraging them to adopt sustainable management practices.
  · Continually looking to reduce carbon emissions and plan to fully offset that which cannot be avoided in accordance with the pledge above.
  · Ensure all staff are aware of the Sustainability Policy and embrace its principles.
  · Purchase electricity from energy suppliers who generate from renewable or low carbon sources and where practicable generate electricity onsite.
  · Seek to reduce business travel by utilising technology including video conferencing where appropriate.
  · Seek to work with local suppliers and support the local economy wherever possible.

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Emissions Summary

kg CO_2e	21–22 Baseline	22–23	23–24	24–25 Reporting Year
Scope 1	6,386.74	5,519.27	5,514.82	3,857.2
Scope 2	23,682.58	16,520.04	17,576.67	19,266.17
Scope 3	165,505.38	189,259.61	280,918.75	378,753.55
Total	**195,574.7**	**211,298.92**	**304,010.24**	**401,876.92**

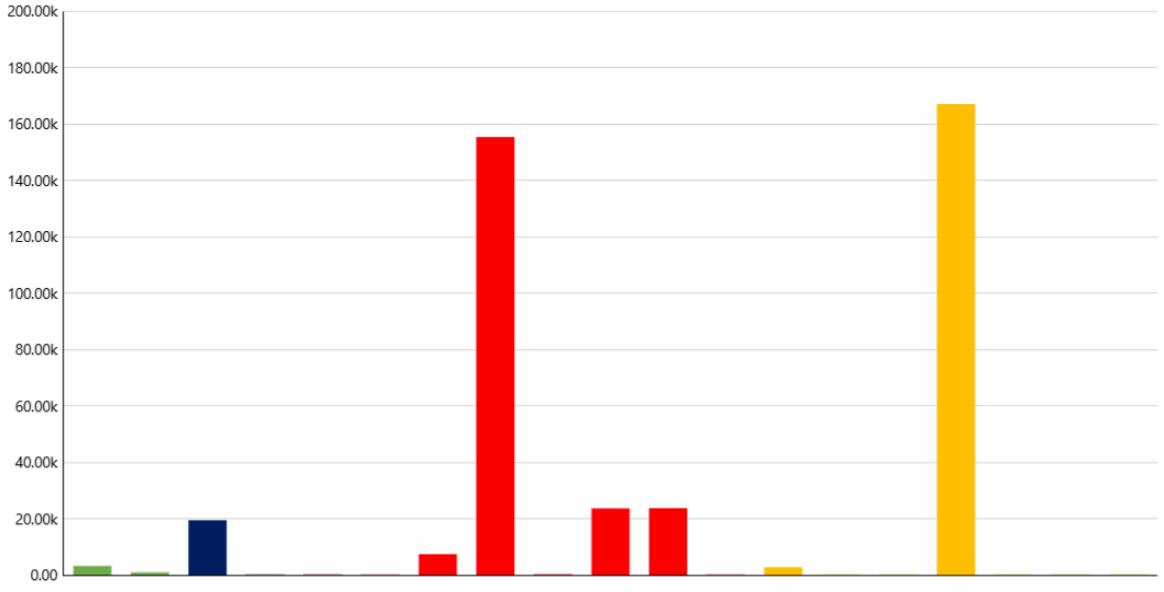
Emission Map

RB Medical Engineering – Emissions Mapping by Scope & Category

Year: *Apr 2024 – Mar 2025*

	Fuels		*Energy*		*Embedded in what you buy*								*As a consequence of what you sell*						
	Scope 1		*Scope 2*		*Scope 3 - Upstream*								*Scope 3 - Downstream*						
Category Status	✓	✓	✓	✗	✓	CNR	✓	✓	✓	✓	✓	✗	✓	✗	✗	✓	✗	✗	✗
Total Emissions kg CO_2e	3.06K	793	19.3K		36		7.23K	155K	85	23.4K	23.5K		2.59K			167K			
% Reported Emissions	1	0	5		0		2	39	0	6	6		1			42			

kg CO_2e



✓	*Reported*	✗	*Not Applicable*	CNR	*Category Not Reported*

Emissions have increased since the 2023/24 reporting period solely due to the inclusion of Category 12 (End of life of sold products) emissions, which are reported for the first time. If these emissions are excluded to compare total emissions on a like-for-like basis, emissions have reduced by 23% year-on-

year. There have been decreases in Upstream and Downstream Transportation & Distribution, Waste, and Scope 1 emissions, which together compensate for small emissions increases in other areas, such as Scope 2.

Energy & Other Efficiency Projects

In progress projects

Site	Country	Project	Emission Impacted	Annual Reduction (%)	Carbon Impact (kg CO_2e)
No Data Found.					

Completed projects (reporting year)

Site	Country	Project	Emission Impacted	Annual Reduction (%)	Carbon Impact (kg CO_2e)
No Data Found.					

Completed projects (prior years)

Site	Country	Project	Emissions Impacted	Annual Reduction (%)	Carbon Impact (kg CO_2e)
RB Medical	UK	Waste - Work with providers to divert from landfill.	Waste disposal	80%+	2,000+

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Scope 1 & 2 Emissions

Scope 1 – Direct Emissions — 3,857.2 Kg CO_2e

Emission Type	Unit	Volume	kg CO_2e
Fuels	litres	1,112.04	3,064.13
Cars	miles	2,916	793.07
Total			**3,857.2**

Scope 2 – Indirect Emissions — 19,266.17 kg CO_2e

Emission Type	Unit	Volume	kg CO_2e
Electricity (Grid)	kwh	93,050.8	19,266.17
Total			**19,266.17**

Scope 3 Emissions – Analysis by Reporting Category

Scope 3: Category 1 – Purchased Goods & Services — 36.2 kg CO_2e

Emission Type	Unit	Volume	kg CO_2e
Water Supply	m3	224	36.2
Total			**36.2**

Scope 3: Category 3 – Fuel & Energy Related Activities — 7,232.68 kg CO_2e

Emission Type	Unit	Volume	kg CO_2e
Well-to-tank Emissions	kwh	190,129.64	5,529.85
Transmission & Distribution - Electricity	kwh	93,050.8	1,702.83
Transmission & Distribution - E Vs	kwh	0	0
Total			**7,232.68**

Scope 3: Category 4 – Transportation & Distribution — 155,056.74 kg CO_2e

Transport type	Unit	Volume	kg CO_2e
International Suppliers	tonne.km	127,758.773	135,754.3
U K Suppliers	tonne.km	577.937	356.26
Sterilisation Transport	tonne.km	16,765.137	1,634.94
Well-to-tank Emissions	tonne.km	145,101.846	17,311.25
Total			**155,056.74**

Upstream Transportation & Distribution includes emissions from air and road transport for UK and International Suppliers. For the first time this year, emissions relating to the transport of RB Medical's products for sterilisation have been reported, to ensure completeness of Cat.4 emissions. Air transport of goods from international suppliers accounts for c.98% of total Cat.4 emissions. Exact weights were known for international shipments. International distances have been calculated from point of origin to main international airport (road), airport to Heathrow (air) and Heathrow to RB Medical (road). Domestic shipments were assumed to be 13kg each (increased from 10kg in prior years), and all delivered by road with a 15% uplift applied on the point to point distance. Weights of products transported for sterilisation were all known.

Scope 3: Category 5 – Waste Generated From Operations — 85.36 kg CO_2e

Type of waste	Unit	Volume	kg CO_2e
Waste Disposal	tonnes	7.56	46.5
Water Treatment	m3	213	38.86
Total			**85.36**

Water Treatment volumes are assumed to be 95% of Water Supply volumes. Waste disposal volumes decreased this year and all waste was diverted from landfill. Alongside the reduction of the UK's emissions factors for waste, this has resulted in a significant decrease in Cat.5 emissions.

Scope 3: Category 6 – Business Travel — 23,437.41 kg CO_2e

Emission Type	Unit	Volume	kg CO_2e
Cars	miles	56,434	16,875.9
Rail	km	1,338.97	37.22
Plane	km	11,748	2,148.36
Well-to-tank Emissions	miles	69,520.971	4,375.93
Total			**23,437.41**

Scope 3: Category 7 – Employee Commuting — 23,535.16 kg CO_2e

Emission Type	Unit	Volume	kg CO_2e
Cars	miles	70,464	18,760.28
Walking	miles	1,176	0
Well-to-tank Emissions	miles	70,464	4,774.88
Total			**23,535.16**

Scope 3: Category 9 - Transportation & Distribution — 2,591.57 kg CO_2e

Transport type	Unit	Volume	kg CO_2e
Downstream Transportation & Distribution	tonne.km	8,900.245	2,122.02
Well-to-tank Emissions	tonne.km	8,900.245	469.55
Total			**2,591.57**

Downstream Transportation & Distribution includes emissions from road, air and sea transport. International distances have been calculated from point of origin to main international airport (road), airport to Heathrow (air) and Heathrow to RB Medical (road). Domestic shipments were assumed to be 2kg (reduced from 3kg in prior years) each, and all delivered by road with a 15% uplift applied on the point to point distance. Shipments to Northern Ireland are assumed to be made via ferry, but distances are otherwise calculated as for international shipments.

Scope 3: Category 12 - End-of-Life Treatment of Sold Products — 166,778.43 kg CO_2e

Emission Type	Unit	Volume	kg CO_2e
Packaging Waste	tonnes	2,792.609	17,902.33
Sold Products	tonnes	23,223.391	148,876.1
Total			**166,778.43**

End-of-life treatment of sold products emissions have been calculated for the first time for this reporting period. The total weight of all sold products was used and 11% of this was assumed to be packaging waste. It is assumed that of the packaging waste, the majority would likely be recycled, and the rest would go to energy from waste (per NHS targets). All of the products sold by RB Medical (single use or reusable) are likely to end up being classed as 'Clinical Waste' by the NHS when disposed of, and therefore go to high temperature incineration. Since it is likely that, in the UK, high temperature waste incinerators would include some form of energy recovery, the UK waste emission factor for 'combustion' (including energy recovery) has been applied to this waste.

Immediate Carbon Reduction Priorities

The need for taking immediate and bold action on climate change Is being increasingly recognized by businesses, government and the general population. **RB Medical Engineering** recognizes that its activities have an impact on the environment and are committed to minimizing any adverse impact wherever practical.

RB Medical Engineering has aligned its Carbon Reduction Plan with Science Based Targets and is working to both mitigate emissions it has already identified and to ensure that further emissions, not already, measured have a clear plan to support discovery and action.

The immediate priorities of the company to drive down its Climate Impact are:

1. **Data Improvement: Downstream Transportation & Distribution** - *In progress*

Gain a better understanding of outbound logistics data. Investigate options for Downstream T&D (including DPD engagement or business process change).

2. **Expanding Reporting: Purchased Goods & Services and Capital Goods** - *In progress*

Investigate the feasibility of reporting all Category 1 and 2 emissions, likely on a spend-basis at first. These are the only two categories applicable to RB Medical which are not currently reported in full, so this would ensure that Scope 3 reporting is fully comprehensive.

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Data Declaration

RB Medical Engineering categorises its Greenhouse Gas (GHG) emissions as Scope 1, 2 & 3 as referred to in the WBCSD – WRI Greenhouse Gas Protocol (revised edition, dated March 2014). Emissions in Carbon Dioxide equivalent (CO_2e) for all scopes are calculated using the conversion factors listed in BEIS/DEFRA Greenhouse Gas Conversion factors for the relevant 12 month period over which the emissions are calculated. Procured renewable electricity and gas is calculated in accordance with the WBCSD – WRI Scope 2 Guidance on procured renewable energy (2015).

Scope 3 Emissions

RB Medical Engineering is committed to measure and act to reduce its emissions in all 3 scopes. This report reflects the amount of Scope 3 emissions that it has been technically feasible and cost effective to measure and act against. **RB Medical Engineering** remains committed to work with its entire value chain to ensure as much of its Scope 3 emissions can be accurately measured and to develop actions that target long term reductions aligned to Science Based targets.

Data Quality / Confidence

The data used to generate this report has been collected from various sources from within the company and its stakeholders. Where available emissions have been converted to CO_2e using the published Conversion Factors published by BEIS/DEFRA for the relevant 12 month Reporting Period.

Carbon Removals & Offsets

As part of the commitment of **RB Medical Engineering** to target reductions in its GHG emissions and, ultimately, attain Net Zero the company will review and report all carbon removals and offsetting that it uses. All removal and offsetting options will be considered and reported including formally certified schemes (e.g. Gold Standard) as well as more informal schemes.

Third Party Verification

The data in this report has been produced using the notch accounting platform and verified by Ciara Betts

Carbon Removal & Offset Schemes used in Reporting Year

OPCO	Scheme Name	Details	kg CO_2e

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Signature

Signed on behalf of **RB Medical Engineering**

Name : Chad Harris

Position : Managing Director

Signed : C Harris

Signed on behalf of **CBN Expert**

Name : Ciara Betts

Position : Net Zero Consultant

Signed : C.Betts