



# Carbon reduction plan

PPN 06/21

**Agile Medical Ltd.**

01 January 2023 – 31 December 2023

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**Agile**  
M E D I C A L

# Carbon reduction plan overview



Agile Medical Ltd., established in 2017 and headquartered in Grimsby, Lincolnshire, is a leader in mobile healthcare equipment manufacturing, offering a unified design, supply, delivery and maintenance solution. The company takes pride in being able to offer a complete mobile healthcare equipment solution for hospitals, including a range of products for intensive care, emergency departments, operating theatres and medical wards, primarily serving the needs of NHS trusts across the UK.

Since its inception, Agile Medical Ltd. has grown to a team of 12 full time staff who now operate an office first, on-site working structure, within the designated office and warehouse facilities in Grimsby.

The fleet of company vehicles consisting of two vans, for the delivery of medical equipment to customers, and a further six cars, primarily used by company directors for both personal and business mileage. Notably, the fleet includes two electric vehicles which is a direct result of Agile Medical's transition to support their net-zero goals.

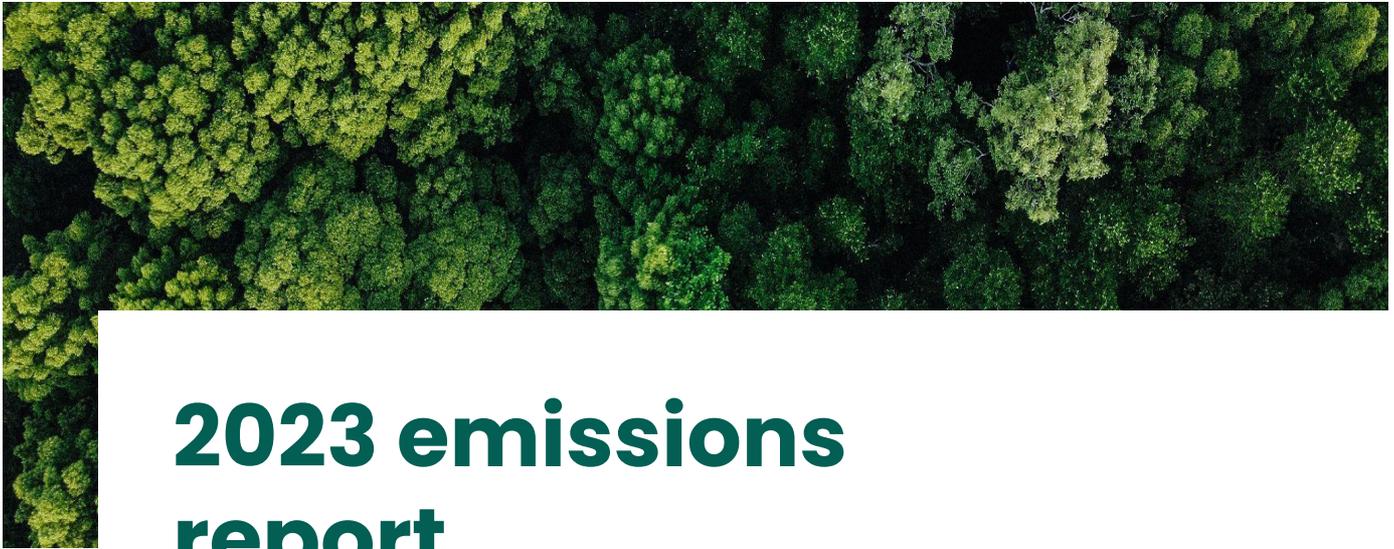
**In response to the pressing global challenge of climate change, Agile Medical Ltd. is committed to achieving net-zero emissions by 2050.**

This Carbon Reduction Plan (CRP), prepared in accordance with PPN06/21, reflects Agile Medical Ltd's commitment to action. It details the results of the baseline greenhouse gas (GHG) inventory, which quantified GHG emissions across the 2023 calendar year. Also documented is Agile Medical Ltd's long-term strategy to monitor, manage, and minimise its environmental impact in alignment with achieving its ambitious net-zero commitment.

This report was prepared with the support of Ecologi to ensure compliance with the technical requirements of PPN06/21 and that emissions were quantified in alignment with the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard and supplementary Corporate Value Chain (Scope 3) Standard.



Ecologi is a leading climate action platform specialising in emissions measurement, reduction, and reporting, as well as helping businesses fund high impact, high integrity climate solutions. Ecologi equips businesses with the expertise and tools to curate and implement emissions reduction strategies on their journey to net-zero.



# 2023 emissions report

## Methodology

Agile Medical Ltd. was responsible for the internal management controls governing the collection and entry of data for processing. The subsequent emissions calculations and this report were generated with the support of Ecologi in accordance with the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard and Corporate Value Chain (Scope 3) Standard.

**Emissions have been calculated using the appropriate UK emission conversion factors published annually by the UK government, Department for Energy Security and Net Zero. Residual-mix emissions factors published by the International Energy Agency (IEA) were also used for scope 2, market-based, reporting of purchased electricity.**

Reported emissions figures expressed as tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) include greenhouse gas emissions from all seven GHGs named by the Kyoto Protocol: CO<sub>2</sub>, N<sub>2</sub>O, CH<sub>4</sub>, HFCs, PFCs, SF<sub>6</sub> and NF<sub>3</sub>.

The GHG inventory assesses emissions for the reporting period 01/01/2023–31/12/2023. 2023 is the first year for which a GHG inventory has been compiled by Agile Medical Ltd. and, therefore, constitutes its base year – the reference point against which all future emissions reductions will be measured.

The operational boundary of Agile Medical Ltd. scope 3 emissions included in the GHG inventory on the page overleaf are limited to the five scope 3 categories prescribed within the technical guidance and requirements of PPN 06/21 as well as the inclusion of a sixth scope 3 category relating to the upstream delivery emissions of scope 1 and 2 fuel sources (Fuel- & energy-related activities (not included in scope 1 or scope 2)). Agile Medical Ltd. are committed to increasing the scope of their GHG inventory in the future to develop a more complete overview of their value chain emissions to drive supplier engagement.

# Greenhouse Gas Inventory – 1st Jan to 31st December 2023

Scope	Emissions	Total (tCO <sub>2</sub> e)
<b>Scope 1</b>	Stationary combustion	0.751
	Mobile combustion	32.621
	Process emissions	0
	Fugitive emissions	0
	<b>Total - Scope 1</b>	<b>33.372</b>
<b>Scope 2</b>	Purchased electricity (Market-based)	17.22*
	Purchased electricity (Location-based)	10.3
	Purchased steam, heating & cooling	0
	<b>Total - Scope 2 (Market-based)</b>	<b>17.22*</b>
<b>Scope 3</b>	Fuel- & energy-related activities (not included in scope 1 or scope 2)	2.696
	Upstream transportation and distribution	51.249
	Waste generated in operations	2.369
	Business travel	14.505
	Employee commuting (including homeworking)	8.687
	Downstream transportation and distribution	0
	<b>Total - Scope 3</b>	<b>79.506</b>
<b>Total</b>		<b>130.098tCO<sub>2</sub>e</b>

*\*Scope 2 emissions are reported at an aggregated level using a market-based approach, this reflects the conscious decision taken by Agile Medical Ltd. to source electricity via a renewable energy tariff.*

## Scope & subject matter

The boundary of the report includes all UK-based facilities and operations during the reporting period. The following energy and GHG sources are included and quantified in the inventory, following an operational control approach:

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### Scope 1

**Stationary Combustion** - Emissions from natural gas combustion within the boiler used for central heating at the office, as well as from propane combustion within portable heating units within the warehouse.

**Mobile Combustion** - Emissions from the fleet of company combustion engine vehicles (emissions from electric vehicles and electric charging of plug-in hybrids is accounted for separately in scope 2).

**Fugitive Emissions** - Zero emissions are reported as no refrigerant leakages or top ups were reported during the servicing of air conditioning systems.

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### Scope 2

**Purchased electricity** - Dual reporting of both market and location-based figures for GHG emissions from purchased electricity is adopted, accounting for power provided to the office and warehouse spaces in Grimsby.

A market-based approach is adopted when reporting gross emissions figures, to account for the standard-grid mix tariff used to source electricity and calculated using meter reading activity data.

Residual-mix emissions factors published by the International Energy Agency (IEA) are used in calculating a market-based figure. While the location-based figure, published as secondary, and therefore not carried forward into gross figures, was calculated using the BEIS/DEFRA national grid-mix factor for the UK.

Scope 2 figures also include emissions from the generation of electricity used in the charging of electric and plug-in hybrid vehicles within the company fleet.

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### Scope 3

**Fuel- & energy-related activities (not included in scope 1 or scope 2)** - accounted for here are the upstream emissions associated with the extraction and delivery of scope 1 and 2 natural gas and electricity sources. These figures are calculated using the same activity data provided for scope 1 and 2 calculations, mapped to UK government emissions factors for the relevant reporting year. This field is out of the scope of PPN06/21 requirements but is included to provide a more complete view of energy related emissions. Upstream well-to-tank figures for company vehicles have not been included.

**Continues overleaf...**

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## Scope & subject matter continued...

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### Scope 3

**Upstream transportation** - (Inbound shipments) upstream transportation and distribution activities account for emissions from the shipping of goods from tier 1 suppliers to Agile Medical's warehouse in Grimsby. Given the significance and scope of these activities to the operations and emissions of the company, significant effort was made to account for the complete scope of operations and the collection of activity data to enhance the quality of footprint calculations. The quality of data varied between service provider and in the case of absence of tracked data, conservative assumptions had to be made regarding the weight of shipments and fuel type of delivery vehicles - the result being a likely marginal overestimation of activity emissions.

(Outbound shipments) - Also accounted for within this category is the transportation and distribution of finished goods to customers, paid for by the reporting company. Whilst Agile Medical Ltd, provide both paid for and free (for orders in excess of £500) shipping services, it was not possible to distinguish between those orders paid for by the reporting company or the customer. Therefore it was assumed that all reported emissions from the shipment of goods to customers would be accounted for as though paid for by the reporting company, and therefore categorised within "Upstream Transportation and Distribution as opposed to within "Downstream transportation and distribution".

In cases where the reporting primarily uses company owned vehicles for the transport and distribution of products to customers, the subsequent emissions are accounted for in scope 1 - mobile combustion, alongside other fleet combustion engine vehicles.

**Waste and water** - Water emissions are estimated based on consumption data, collected from water meters recorded by the water utilities provider and overflow, and published on supplier invoices.

Waste emissions have been calculated using consumption data provided for both landfill and mixed waste recycling by the waste management partner, accounting for waste from both the office and warehouse facilities.

**Business travel** - Emissions sources included within the boundary of operations include rail travel, air travel, hotel stays, and car travel in third-party/employee-owned vehicles. Figures are calculated based on activity data provided by the reporting company.

**Employee commuting and home working** - Agile Medical Ltd operate out of their Grimsby office and warehouse as principle working locations. As such no homeworking emissions are reported, whilst emissions from employees commuting to the office are accounted for based on employee commuting behaviour and frequency of visits to the office.

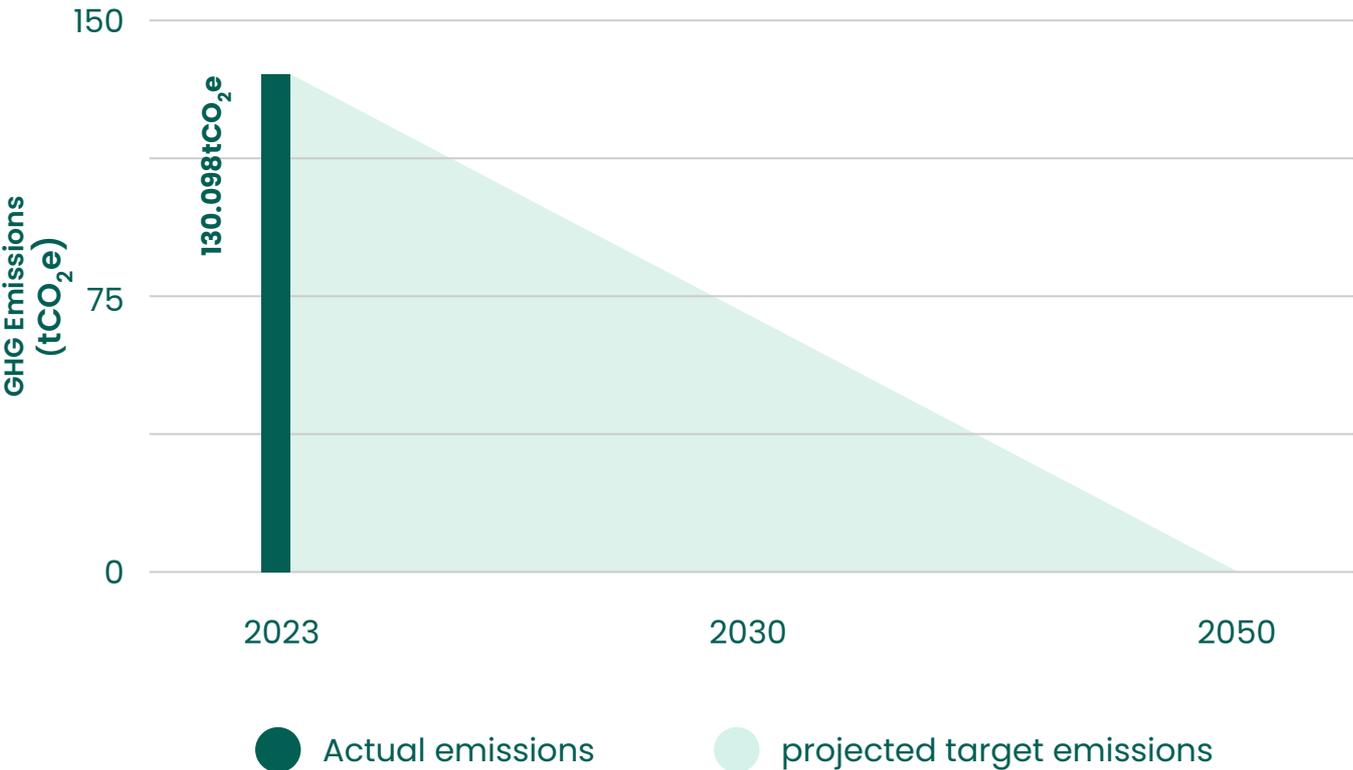
**Downstream transportation** - Immaterial - No downstream transportation occurs within the operations of Agile Medical Ltd.



# Emissions reductions targets

In alignment with the UK government's 2050 net-zero targets and global efforts to limit global warming and the worst effects of climate change, Agile Medical Ltd. is committed to achieving net-zero emissions across the entire value chain (scopes 1, 2, and 3) by 2050. Where possible, ambitious emissions reduction actions will be implemented to advance the achievement of net-zero.

Agile Medical Ltd. projected emissions reductions are charted on the graph below to illustrate the ambition of the emissions reduction initiatives outlined in the next section.





# Emissions management

Agile Medical Ltd. is committed to embedding practises within their business to mitigate their environmental impact as they grow. The strategy set out below outlines further decarbonisation interventions which contribute to their roadmap for achieving net-zero across the entire value chain. Specific reference is given to emissions hotspots and priority areas identified within the emissions inventory published above. Interventions include both short- and long-term actions dedicated to the pursuit of the overarching net-zero ambition:

- 1. Embracing 100% renewable electricity**— Explore developing a strategy to implement a staggered transition through the hierarchy of the procurement of renewable electricity from REGO-backed tariffs to Power Purchase Agreements (PPA) and onsite generation to ensure a feasible and financially sustainable transition without delay or disruption to operations.
- 2. Conduct an energy audit and implement energy efficiency measures**— A review on onsite energy consumption and equipment will identify areas where energy efficiency improvements can be made to drive a reduction in the energy intensity of Agile Medical's operations. Actions can then be taken, based on the findings of this audit, to further the impact of those already taken. For example: switching to LED lighting throughout the warehouse.
- 3. Replace propane heaters**— Supplemented by a transition to renewable electricity, Agile Medical Ltd. will look to replace propane-fueled mobile heating units within the warehouse with electric alternatives.
- 4. Track and discount personal mileage within company vehicles** — At present, figures reported against company vehicles include both personal and business mileage within the reporting period. This approach was taken due to an absence of data distinguishing between the two activities, and is further justified given the fact that Agile Medical Ltd. pays for all fuel for these vehicles regardless of use. This methodology was adopted as a more conservative approach to ensure that all emissions from business activity are captured. Notably, whilst more complete, this does likely results in inflated emissions figures. As such, this process will be reviewed, and action will be taken to track and distinguish between the nature of travel to enhance the accuracy of future emissions assessments and business travel policies.

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5. **Enhanced tracking of inbound and outbound shipments** – Upstream transportation and distribution (including both inbound and outbound shipments) was identified as the primary emissions hotspot within the base year GHG inventory. As such, this should be a priority area on which to focus resources and decarbonisation efforts moving forward. Whilst calculations were largely conducted using activity (distance and weight) data, data collection presented a significant challenge, in several instances assumptions regarding weight, distance and mode of transport had to be made.

Following this process, a review will be conducted to improve the tracking of shipping data to enhance the specificity of data and iterate on data quality, providing greater insight for decarbonisation opportunities in the future, and enabling the tracking of decarbonisation initiatives and their efficacy.

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6. **Continued monitoring and measurement of emissions sources** – Agile Medical Ltd. is committed to continuing to measure and monitor emissions from operations moving forward. This data will be used to ensure accountability and monitor the efficacy of decarbonisation initiatives.

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7. **Increasing the scope of emissions calculations** – In alignment with the NHS Net-Zero Roadmap, and the anticipated extension of scope 3 emissions reporting, Agile Medical will begin to take action to include additional scope 3 categories, such as Purchased Goods and Services, within future GHG inventories. The aim for this is to provide a greater understanding of supply chain emissions, and accounting for upstream emissions will provide considerable insight into further emissions hotspots and emissions reduction initiatives.

Given the complexity of Agile Medical's operations and the scale of its supply chain, increasing the scope of emissions calculations to incorporate all scope 3 categories is likely to require a significant increase in time and resources to obtain the relevant information from suppliers. As such, pre-emptive action now (ahead of the expected extension of CRP requirements in 2027) will put Agile Medical and its suppliers in a good place to meet the increased reporting demands.

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# 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 Agile Medical Ltd.**

*Christopher Glass*

**Christopher Glass**  
Managing Director

Date: 23/09/2024