

# Medvivo Carbon Reduction Plan

**Client name:** Medvivo Group Ltd

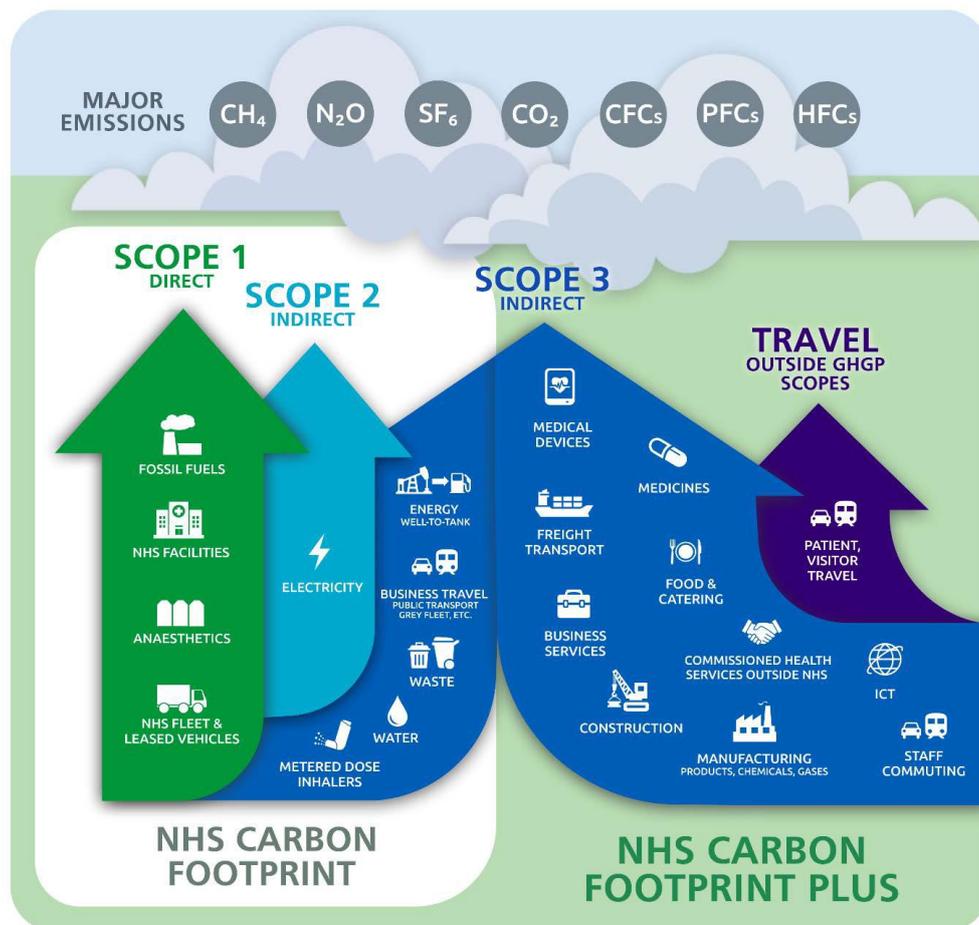
**Company Registration Number:** 05146354

**Published date:** 1<sup>st</sup> November 2023

## COMMITMENT TO ACHIEVING NET ZERO

Medvivo is committed to achieving Net Zero emissions by 2045, in line with the objectives set in the Greener NHS Guidance, as follows:

1. Reach Net Zero by 2040: for the emissions we control directly and indirectly (NHS Carbon Footprint)
  - with an ambition to reach an 80% reduction by 2028 to 2032
2. Reach Net Zero by 2045: for the emissions we can influence (NHS Carbon Footprint Plus)
  - with an ambition to reach an 80% reduction by 2036 to 2039



To ensure best practice baselining our footprint analysis and the development of our Carbon Reduction Plan (CRP), we have been supported by world class sustainability experts at Positive Planet.

## **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**

The current Reporting Year (1 Jan 2022 – 31 Dec 2022) is the first year that Medvivo have measured and reported its carbon footprint and will serve as the baseline year for future measurements. It covers Scope 1, 2, and 3 emissions including emission sources that are required for disclosure by the NHS.

Our baseline was created prior to any formal CRPs (and therefore directly mapped / aligned initiatives were put in place). However, prior this baseline, Medvivo was undertaking a range of environmental sustainability initiatives, therefore this CRP provides the formal structure and framework that will enable us to continue our journey achieving Net Zero.

In our carbon footprint analysis, the baseline annual carbon footprint is calculated in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e). This measurement accounts for the emission of all 7 greenhouse gases noted in the UNFCC Kyoto Protocol (carbon dioxide [CO<sub>2</sub>], methane [CH<sub>4</sub>], nitrous oxide [N<sub>2</sub>O], hydrofluorocarbons [HFCs], perfluorocarbons [PFCs], sulphur hexafluoride [SF<sub>6</sub>] and nitrogen trifluoride [NF<sub>3</sub>]), along with their relative global warming potential values (GWP), as recommended by The Greenhouse Gas Protocol and the UK Government Public Procurement Notice 06/21.

## **EMISSIONS REPORTING**

### **Reporting Year: 2022**

<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	125.9
Scope 2	183.6
<i>NHS Carbon Footprint (1+2)</i>	<i>309.5</i>
Scope 3 including: <ul style="list-style-type: none"> <li>● Fuel &amp; Energy Related Activities</li> <li>● Business Travel</li> <li>● Transportation &amp; Distribution (Downstream)</li> </ul>	350.0

<ul style="list-style-type: none"> <li>● Transportation &amp; Distribution (Upstream)</li> <li>● Employee Commuting &amp; Homeworking</li> <li>● Operational Waste &amp; Water</li> <li>● Upstream Leased Assets</li> <li>● Downstream Leased Assets</li> </ul>	
<b>Total Emissions (NHS Carbon Footprint Plus)</b>	<b>659.4</b>

Our total emissions equate to a Carbon Intensity Metric of **4.8 tCO<sub>2</sub>e per employee** based on **137 full-time employee equivalents** during the measurement period (using market-based emissions).

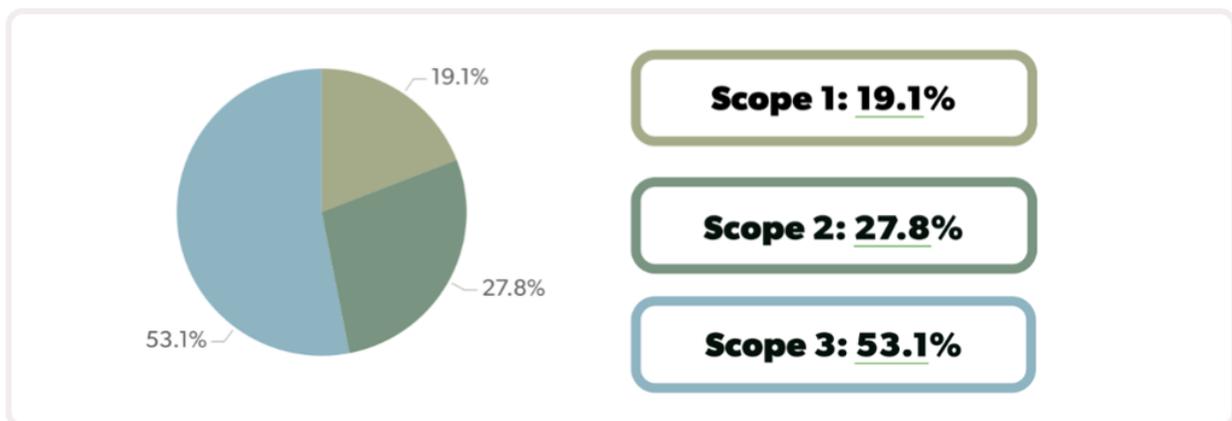
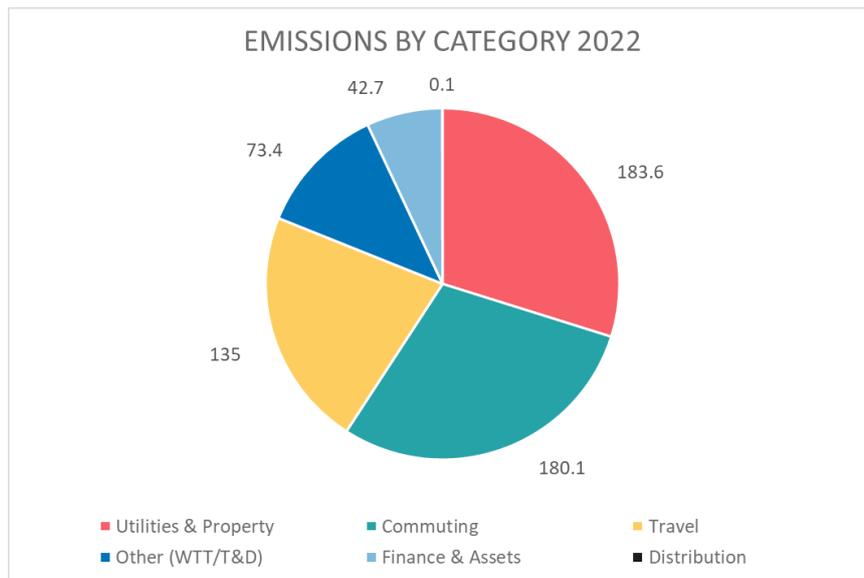


Table 1: Relative contribution (%) of each scope toward Medvivo's carbon footprint 2022

## All Emissions: Summary

On-Site Fuel Combustion	0.0
Industrial Process Emissions	0.0
Company Vehicles	125.9
Leaked Emissions	0.0
Purchased Electricity	183.6
Steam, Heat & Cooling	0.0
Business Travel	9.2
Leased Assets (Upstream)	42.7
Operational Waste	44.6
Transportation & Distribution (Upstream)	0.1
Employee Commuting & Home Working	180.1
Capital Goods	0.0
Purchased Goods & Services	0.0
Fuel & Energy Related Activities	73.4
Investments	0.0
Franchises	0.0
Leased Assets (Downstream)	0.0
End-Of-Life Treatment of Sold Products	
Use of Sold Products	
Processing of Sold Products	
Transportation & Distribution (Downstream)	0.0

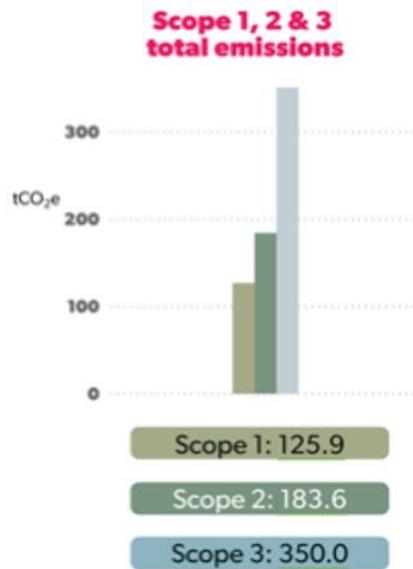


Table 2: Numerical breakdown of Medvivo’s emissions baseline 2022

As our sustainability strategy matures, a key focus is data granularity and resilience. Some areas showed as 0.0 on initial review e.g. Purchased Goods & Services. We are continuing to work with experts and system partners in order to ensure all data points are mapped and we collectively utilise scale across systems to achieve optimal results. When any categories fluctuate up or down, due to developing data review methodologies, our strategy will take this into account in to ensure we still achieve the emissions reduction commitments / milestone outline below.

### EMISSIONS REDUCTIONS TARGETS

We have set 2 overarching goals, with a phased milestone-based trajectory mapped across each, in order to reach our ultimate carbon reduction targets.

Key sustainability initiatives / projects, with associated continuous monitoring of their deliverables / objectives, feed into this milestone plan.

As a key strategic priority, all components are closely monitored by our Executive Leadership Team.

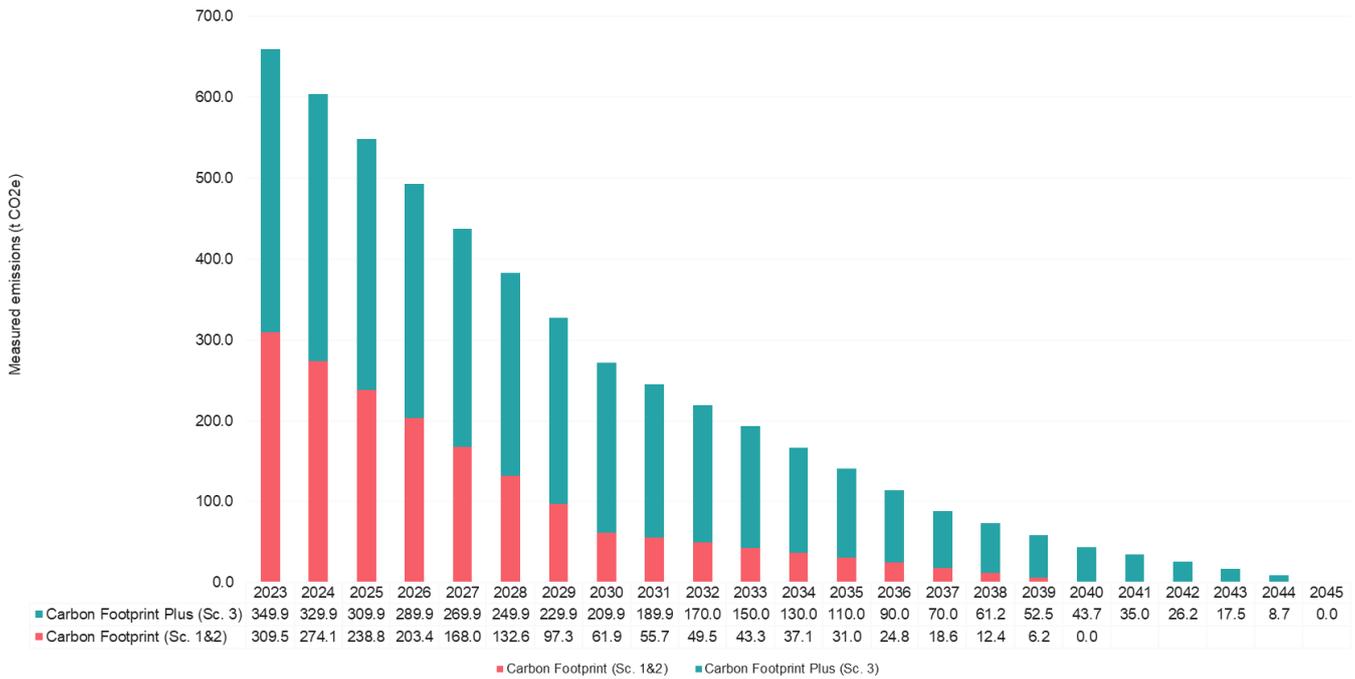
#### **Goal 1: We will achieve a net zero carbon footprint by 2040**

- Milestone target to reach an 80% reduction by 2030

#### **Goal 2: We will achieve a net zero carbon footprint plus by 2045**

- Milestone target to reach an 80% reduction by 2037

### Total Measured Emissions to 2045



### Goal 1: We will achieve a net zero carbon footprint by 2040

- Milestone target to reach an 80% reduction by 2030

We project that we will reduce our NHS Carbon Footprint Scope 1&2 to Net Zero along the following trajectory. This includes the 80% milestone by 2030 from 309.5tCO<sub>2</sub>e to 61.9tCO<sub>2</sub>e. The below graph details the annual targets associated.

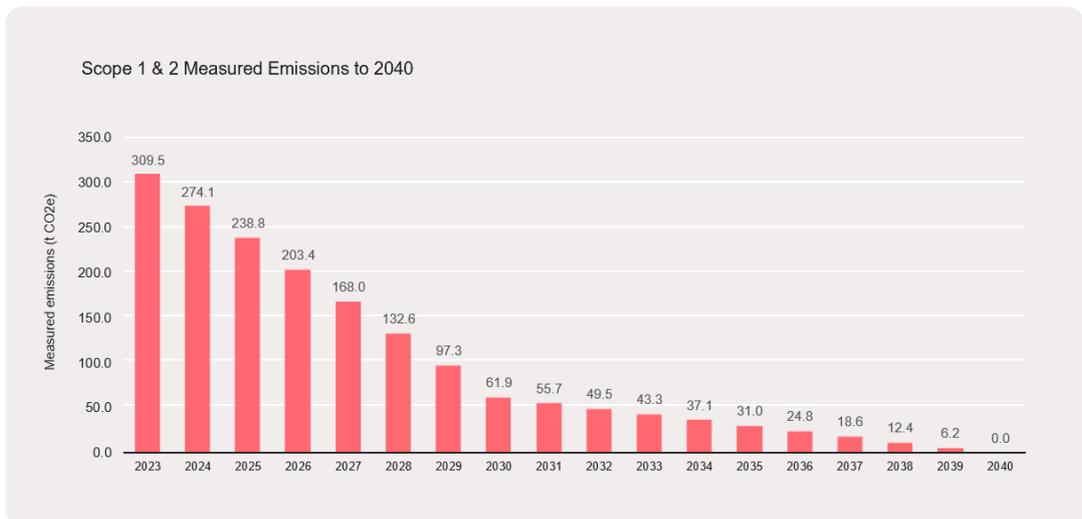
## Pathway to Net Zero - Carbon Footprint (Scope 1 & 2)

#### Emissions reduction targets

Medvivo are committed to achieving Net Zero for their Carbon Footprint (Scope 1 & 2) by 2040, in line with the NHS target.

To keep ourselves on track with these long-term targets, we have set the following goals:

- Reduce our Scope 1 & 2 emissions by 80% by 2030
- Reduce our Scope 1 & 2 emissions to zero by 2040



**Goal 2: We will achieve a net zero carbon footprint plus by 2045**

- Milestone target to reach an 80% reduction by 2037

We project that we will reduce our NHS Carbon Footprint Plus to Net Zero along the following trajectory. This includes the 80% milestone by 2037 from 350tCO<sub>2</sub>e to 70tCO<sub>2</sub>e. The below graph details the annual targets associated.

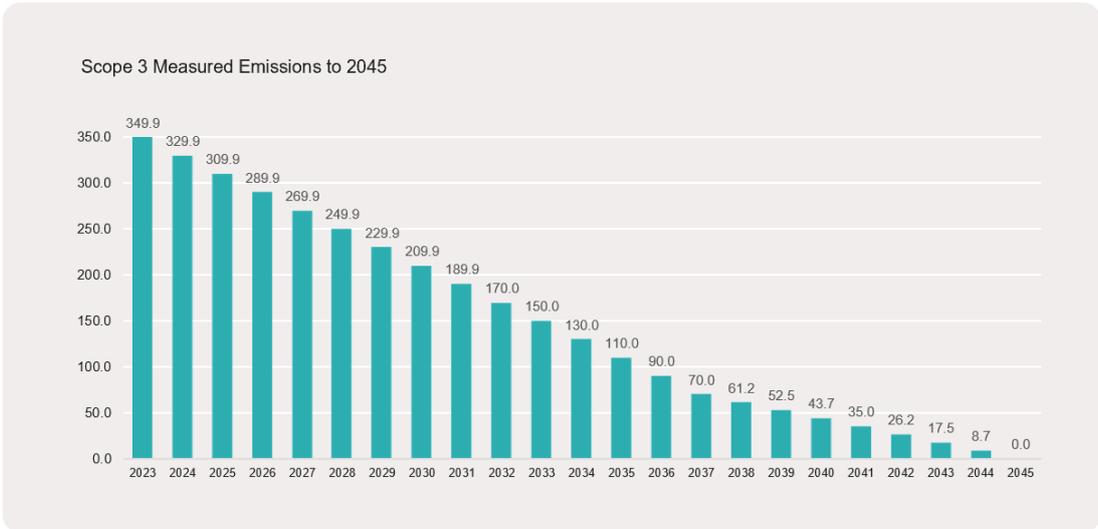
**Pathway to Net Zero - Carbon Footprint Plus (Scope 3)**

**Emissions reduction targets**

Medvivo are committed to achieving Net Zero for their Carbon Footprint Plus (Scope 3) by 2045, in line with the NHS target.

To keep ourselves on track with these long-term targets, we have set the following goals:

- Reduce our Scope 3 emissions by 80% from our baseline year by 2037
- Reduce our Scope 3 emissions by 100% from our baseline year by 2045



**CARBON REDUCTION PROJECTS**

*Completed Carbon Reduction Initiatives*

The following environmental management measures and projects have been completed or implemented, and these measures will be in effect when performing the contract.

Activity	Scope
<p>Measured carbon footprint of business activities year on year to gain an understanding of pinch points and regularly be making efficient and direct improvements to reduce these emissions.</p> <p>Year 1, as part of the wider Health Hero Group, appointed Positive Planet to support with calculating baseline carbon footprint and reduction recommendations.</p>	1,2,3
<p>Created a Green Team to lead initiatives. This team has been made up of members from different departments to support the roll out of initiatives and</p>	1,2,3

management of data, this includes sharing and collaborating throughout the organisation.	
Initiated switching company vehicle fleet to hybrid vehicles from diesel. As of November 2023, 19 of these cars (ie 79% of the fleet) have been switched.	1
Reduced company vehicle fleet from 31 cars in January 2022 to 24 cars in July 2022.	1
Commenced a project to achieve ISO 9001 certification.	1,2,3
Switched all lights to LED lighting and PIR motion sensors in key areas areas of the office	1,2,3

### Future Carbon Reduction Plans

The following list is a summary of initiatives we have either commenced, or plan to commence, in accordance with our milestones plans. This is not an exhaustive list and is also under continuous review / development.

REDUCTION PLANS – Scope 1 & Scope 2		
Activity No.	Activity	Category
1	Introduce enhanced training and engagement for the Green Team, leadership, and the wider employee base. Including and not limited to, creating spaces for environmental positive conversations (internal comms, newsletters, slack, Teams etc), certified Carbon Literacy Training for all applicable to roll out to further workforce and share with externals where appropriate. On average, certified learners reduce their carbon footprints by 5-15%, of which ~50% are work-related.	All (including Scope 3 Business Travel and Commuting)
2	Conduct a review of company cars to determine the strategy for company vehicle electrification: <ul style="list-style-type: none"> <li>Determine which vehicles to electrify first, dependent on which vehicles are used most, which vehicles are most polluting, and which vehicles are oldest</li> </ul>	Mobile Combustion

	<ul style="list-style-type: none"> <li>Determine if fleet size can be reduced by using active transport (such as looking into the feasibility of using specialised e-cargo tricycles for local cases)</li> <li>Determine a timeframe for vehicle electrification and commit to this</li> </ul>	
3	Determine if electricity for the two sites under Medvivo control is 100% renewable, and switch to a renewable tariff if not as soon as this is feasible in order to reduce <b>market-based</b> electricity emissions to 0.	Purchased Electricity
4	Investigate the feasibility of downsizing the number and size of sites to maximise space efficiency.	Stationary Combustion Purchased Electricity
5	<p>Even if the electricity tariff is switched to 100% renewable, <b>location-based</b> electricity emissions (National Grid energy mix) are still 183.6 tCO<sub>2</sub>e so there is an opportunity to reduce energy use.</p> <p>We will implement behaviour change initiatives within the workplaces we control for reducing emissions, including clear messaging for turning off lights, monitors, computers, and other electrical appliances where appropriate. We will assign roles and responsibilities to Green Team members.</p> <p>High-level monitoring of energy use is key to understanding further pinch points.</p>	Purchased Electricity
6	<p>Implement energy efficiency measures to reduce the overall amount of electricity consumed at sites.</p> <p>Optimise operational procedures and implement energy management systems (such as ISO 14001).</p> <p>Examples of reduction measures include upgrading lighting, introducing more sensor lighting, installing timers on sockets/equipment for appliance that are only used for part of the day. Also review and renew inefficient equipment (when at end of life), and actively consider the energy efficiency of equipment when new purchases are required (e.g. laptops, fridges, dishwashers).</p>	Purchased Electricity

	<p>Invite colleagues from different sites to openly explore challenges and barriers to collaboratively find solutions for reduction.</p>	
<p>7</p>	<p>To completely reduce market and location-based energy emissions to zero, install on-site renewable energy generation technologies such as solar PV panels, solar heating, to generate 100% of heating and energy demand.</p> <p>Alternatively, encourage the landlord to do the above or consider moving site.</p> <p>If the UK Grid is 100% powered by renewable energy before this point, your Scope 2 location-based (and market-based) electricity emissions will already be zero.</p>	<p>Purchased Electricity</p>

We also aim to implement the further initiatives below to reduce Scope 3 emissions:

REDUCTION PLANS – Scope 3		
Activity No.	Activity	Category
1	<p>Commit to measuring the remaining Scope 3 categories, meaning that year’s carbon emissions measurement will be a full picture of Medvivo’s carbon impact.</p> <p>Most importantly, the largest missing categories are Purchased Goods &amp; Services, and Capital Goods, meaning that once these are measured, reduction activities targeted at these categories will be able to be created.</p>	<p>Purchased Goods &amp; Services Capital Goods  (Franchises and Investments (none)</p>
2	<p>Implement a Sustainable Procurement Policy. Encourage suppliers to adopt sustainable practices and improve their own carbon footprint through supplier engagement, procurement policies and contracts, and monitoring reporting mechanisms.</p> <p>Commit to a Sustainability Audit or Survey to request further information regarding credentials – Plan to send these to the Top 5/10 suppliers by spend. This data collection will support reduction journey by gathering important data for year two measurement &amp; encourage supply chain integration towards Net Zero.</p> <p>Complete this audit within Two Phases –</p> <ol style="list-style-type: none"> <li>1. Identify suppliers for engagement.</li> <li>2. Formulate and collect data (survey/scoring)</li> </ol> <p>Once completed prioritise suppliers with lower carbon footprints as part of the above phased approach. This may also involve purchasing second hand/refurbished (furniture, IT equipment) and extending the lifespan of purchased items.</p> <p>Develop and monitor procurement policy for all new suppliers to align to Net Zero goals.</p>	<p>Purchased Goods &amp; Services Capital Goods</p>
3	<p>Review logistics partners/couriers and utilise the above Sustainable Procurement Policy. Work with providers to</p>	<p>Upstream Distribution</p>

	<p>gather their emissions data, and/or switch to lower-carbon providers.</p> <p>Prioritise purchasing from local suppliers to limit delivery mileage.</p>	Downstream Distribution
4	<p>Develop and implement a Sustainable Travel Policy to support environmental impact of choices when travelling, staying in hotels and commuting. The priorities within this policy will support active travel and low emission travel options where appropriate.</p> <p>Commit to offering support to workforce with options for active travel schemes; such as bike to work or car sharing opportunities.</p> <p>Utilise the emissions travel hierarchy –</p> <ul style="list-style-type: none"> <li>• Digital communication</li> <li>• Walking</li> <li>• Cycling</li> <li>• Public and shared transport</li> <li>• Public and shared EV's and car sharing</li> <li>• ICE vehicles and car sharing</li> </ul> <p>Consider creative ways to engage and support workforce to influence change.</p> <p>Examples include setting an internal organisation carbon credit scheme (limit that to a number of tCO<sub>2</sub>e per year), extra holiday days for low emission travel choice, bonuses, subsidised travel, equal mileage payments for diesel/petrol/EVs/cycling.</p>	Business Travel Commuting
5	<p>Liaise with key suppliers to see whether they can ship with the minimal amount of packaging needed to secure the product.</p>	Waste
6	<p>Ask landlords to consider low-cost options such as adding heat &amp; solar control reflective window sheets.</p>	Upstream Leased Assets
7	<p>For Medvivo-controlled sites, investigate whether common areas of the sites have no gas and/or a 100% renewable electricity tariff, and encourage the landlord/management company to switch to electric heating and a renewable</p>	Upstream Leased Assets

	<p>electricity tariff if not. This change will reduce gas and <b>market-based</b> electricity emissions (from chosen tariff) for these sites to 0 tCO<sub>2</sub>e.</p>	
8	<p>For bases where Medvivo has no energy control over, investigate whether the site has no gas and/or a 100% renewable electricity tariff, and encourage the landlord/management company to switch to electric heating and a renewable electricity tariff if not. This change will reduce gas and <b>market-based</b> electricity emissions (from chosen tariff) for these sites to 0 tCO<sub>2</sub>e.</p>	Upstream Leased Assets
	<p>For bases where Medvivo has no energy control over, investigate whether the site has on-site renewable energy generation technologies such as solar PV panels, solar heating, to generate 100% of heating and energy demand.</p> <p>If the site does, it would completely reduce market and location-based energy emissions to zero. If the site doesn't encourage the landlord to do the above or consider moving site.</p> <p>If the UK Grid is 100% powered by renewable energy before this point, your Scope 2 location-based (and market-based) electricity emissions will already be zero.</p>	Upstream Leased Assets

## **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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>3</sup>.

This Carbon Management Plan has been reviewed and approved by Medvivo Executive Team and Board of Directors.

## **Signed on behalf of Medvivo Group Ltd and Board of Directors**



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Name: Liz Rugg

Position: Chief Executive Officer

Date:

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

<sup>2</sup> <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>3</sup> <https://ghgprotocol.org/corporate-value-chain-scope-3-standard>