

Carbon Reduction Plan

Version 1.0 Produced for Advanced Medical Solution

By Inspired Plc

1st June 2023

Decarbonisation Roadmap - summary

Four focus areas have been identified to action AMS's emissions, and short-, medium- and long-term actions for each focus area are outlined in this report. Actions have been mapped for each focus area to ensure near and long-term targets can be met. These

activities and targets are set out in the short, medium and long-term chunks to ensure consistent development towards the end target of reaching net-zero. The activities in Figure 1 are high level and detailed explanations of the specific actions within each activity are provided in the Decarbonisation Roadmap section.

Figure 1: High level decarbonisation roadmap

		Short term		Medium Term		Long Term	
SBTi Targets (from FY2021 base year)				72% of suppliers to have science-based targets by 2028	42% reduction in Scope 1 and 2 GHG emissions by 2030	Reduce Category 12 – End-of-Life Treatment of Sold Products GHG emission 30% per tonne product sold by 2033	Net-zero by 2045
Other KPIs		6% year-on-year reduction in tCO2e/site	26% reduction in tCO2e/FTE for 'People' GHG emissions by 2026 70% renewable energy by 2025	30% reduction in tCO2e/tonne product sold by 2029		50% reduction in 'Supply chain' emissions by 3035	
Decarbonisation focus areas	Products	Gather product data	Conduct LCAs Customer engagement	Product design review		Insetting	
	Supply Chain	Supplier analysis	Supplier engagement Update procurement policy	Request product and journey specific data from suppliers		Insetting Purchase low-carbon products	
	Sites and buildings	Energy saving actions	Energy efficiency actions Staff training and awareness	Solar PV installation Gas boiler replacement		Offsetting	
	People	Employee engagement workshops	Review travel system and policy Transition on-site vehicles	Incentivising green commuting			

PPN 06/21: Carbon Reduction Plan

Supplier name : Advanced Medical Solutions

Publication date: 1st June 2023

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: 2021		
The baseline emissions have been calculated using a operational control model following the GHG protocol guidance. The baseline includes all applicable Scope 1, 2 and 3 emissions. Emissions have been calculated following the GHG Protocol Guidelines, in particular the Corporate Value Chain (Scope 3) Standard.		
EMISSIONS	Total (tCO ₂ e)	
Scope 1, 2 and 3 total	50,421	
Scope 1	1,716	
Scope 2 (location-based)	1,352	
Scope 3 total	47,352	
	Purchased Goods and Services	19,060
	Capital Goods	6,130
	Fuel-related emissions	705
	Upstream Transportation and Distribution	5,377
	Waste Generated in Operations	326
	Business travel	214
	Employee commuting	825
	Downstream Transport and Distribution	4,779
	Processing of Sold Products	9,751
	End-of-Life Treatment of Sold Products	125
	Downstream Leased Assets	61

Commitment to achieving Net Zero

Advanced Medical Solutions is committed to achieving Net Zero emissions by 2045.

Current year emissions

Advanced Medical Solutions is in the process of measuring its 2022 emissions, therefore currently its baseline and current year emissions are the same.

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*Other Scope 3 categories not listed were assessed and identified to be not applicable to AMS

PPN 06/21: Carbon Reduction Plan (contd)

Emission reduction targets

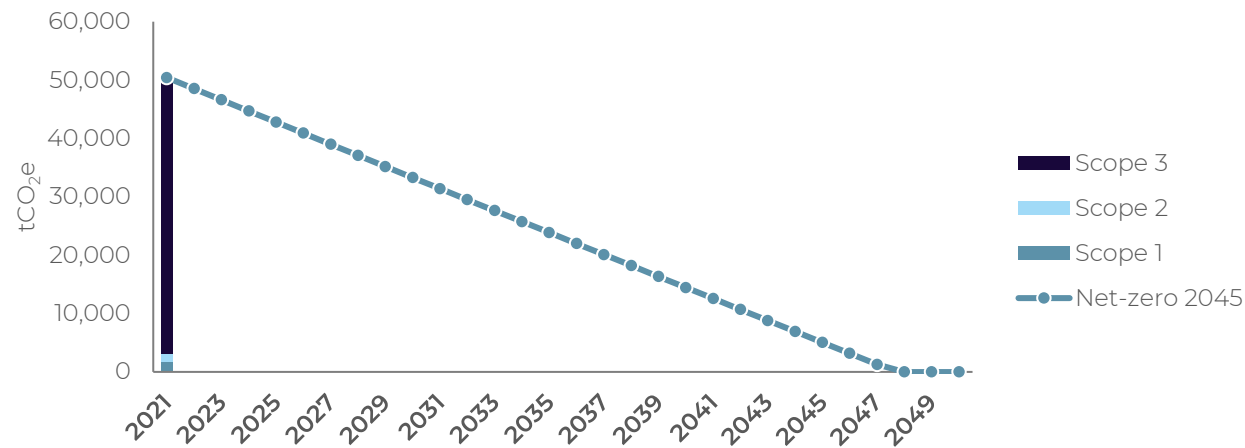
Advanced Medical Solutions aims to achieve net-zero Scope 1, 2 and 3 emissions by 2045, compared to a 2021 baseline.

In order to continue progress to achieving net-zero, Advanced Medical Solutions have adopted the following carbon reduction targets.

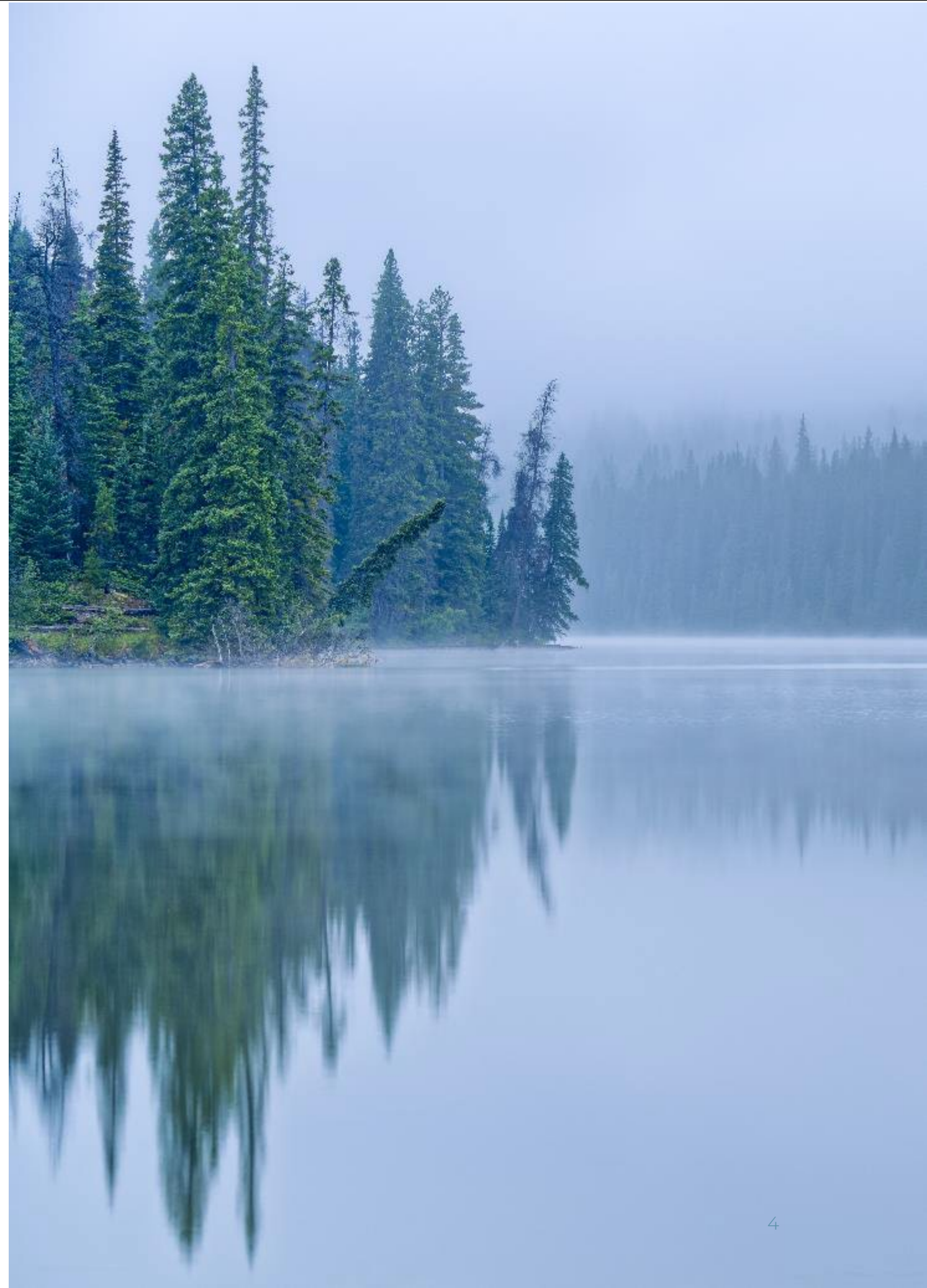
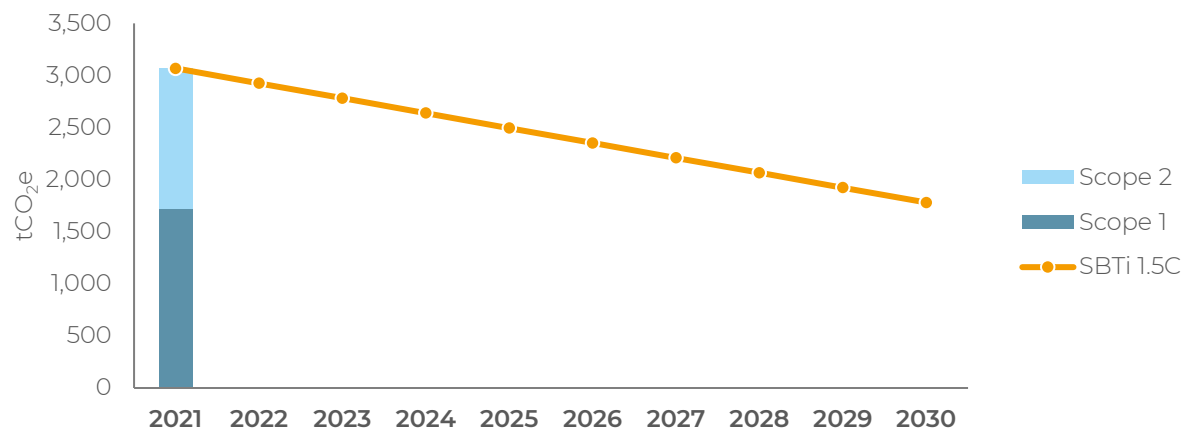
- 42% reduction in Scope 1 and 2 GHG emissions by 2030
- 72% of suppliers to have science-based targets by 2028
- Reduce Category 12 – End-of-Life Treatment of Sold Products GHG emission 30% per tonne product sold by 2033

We project that Scope 1 and 2 emissions will decrease over the next five years to 2,066 tCO₂e by 2028. This is a 33% reduction compared to our base year of 2021.

Net-zero pathway



Scope 1 and 2 near-term pathway



PPN 06/21: Carbon Reduction Plan (contd)

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

- Continued development of energy and climate change action plans.
- Eliminated F-gas losses and waste to landfill through better waste handling processes and waste contractor engagement.
- ISO Certification at four key sites and principles rolled out across the Group to reduce energy use and environmental impact.
- Work progressing with external consultant on a Pathway to Net Zero.
- Adoption of electric car lease scheme that UK employees can elect to join. Site company cars all either hybrid or electric.
- Commenced roll out of more in-depth recycling processes and significantly upgraded recycling capabilities at our Winsford site.
- Embedded Environmental Pledge Scheme across the Group to encourage employees to reduce their own carbon footprint.

Looking forward

- Make full use of the expanded data to more proactively forecast energy use and increase environmental awareness.
- Refine internal targets and embed management of climate change risk (renewable energy target: 70% by 2025). Renewable energy targets are increasingly challenging due to reduced availability and providers withdrawing from the market, resulting in our mix reducing from 51% to 39%.
- Continued focus on waste management processes.
- Further embed role of 'ESG Champions' for local and global awareness, initiatives and support.
- Review implementation of ISO 14001 and ISO 50001 certification across the Group and plan for certification at other sites.
- Further promote Environmental Pledge Scheme and expand impact measurement

Four focus areas have been identified to action AMS' emissions, and short-, medium- and long-term actions for each focus area have been set out. Actions have been mapped for each focus area to ensure near and long-term targets can be met.

Decarbonisation Roadmap Summary

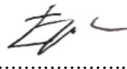
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	People	Employee engagement workshops	Review travel system and policy Transition on-site vehicles	Incentivising green commuting	

PPN 06/21: Carbon Reduction Plan (contd)

I: 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 standard⁵ and uses the appropriate [Government emission conversion factors for greenhouse gas company reporting](#)⁶.
- Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and 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 the Supplier:

- Name: Eddie Johnson
- Role: Director/ESG Lead
- Signature 
- Date: 1st August 2023.....

II: Reporting Methodology

- Scope 1 and 2 greenhouse gas emissions have been calculated according to the 2019 UK Government environmental reporting guidance. Consistent with the guidance, relevant emissions factors published in the UK Government's Department for Business, Energy and Industrial Strategy (BEIS) "Greenhouse gas reporting: conversion factors" database-specific reporting year have been used. The CO₂ equivalent conversion factor has been used throughout and, where applicable, the kWh gross calorific value (CV) was used.
- Scope 1 and 2 emissions have been calculated using a location-based approach:
- Location-Based: This method calculates emissions associated with fuel and electricity consumption by using UK average emissions intensities. BEIS provides UK emissions factors for fuel and grid electricity annually, which are used in location-based reporting.
- Transport-related emissions from fuel combustion were calculated using the BEIS "Greenhouse gas reporting: conversion factors" database.
- Scope 3 emissions have been calculated based on the guidance in the Greenhouse Gas Protocol "Corporate Value Chain (Scope 3) Standard".
- For all operations, applicable Scope 3 categories were identified based on an operational control boundary. Scope 3 emissions for applicable categories were calculated following methodologies outlined in the GHG Protocol "Technical Guidance for Calculating Scope 3 Emissions", with further guidance taken from the GHG Protocol's detailed methodology chapters for each applicable Scope 3 category.
- The majority of conversion factors were sourced from the BEIS Greenhouse gas reporting: conversion factors, v1.0 2021 database. Where a spend-based approach was used, as per the GHG Protocol guidance, conversion factors were taken from the University of Leeds and the Department for Environment, Food and Rural Affairs' UK Footprint Results (1990 – 2018)' study or the Department for Environment, Food and Rural Affairs' Indirect emissions for the supply chain' database. Scope 3 emissions include Well to Tank and T&D losses.

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