

Carbon Reduction Plan

Suppliers name: Radox Laboratories

Publication date: 03 Sep 2025

Commitment to achieving Net Zero.

Radox Laboratories is committed to achieving Net Zero emissions by 2045. We are taking action across all areas of the business and value chain to reduce emissions and tackle climate change. This includes a full life cycle analysis of our products, processes, and services to reduce emissions associated with our material sourcing, production, resource consumption and waste disposal processes. Our carbon reduction plan sets out a range of targets and actions required to reduce emissions, with a roadmap of short term, medium term, and long term targets to achieve our net zero goals. We are committed to reducing scope 1, 2 and 3 emissions to zero by 2045

Energy and carbon reporting

Methodology for quantification

- We have quantified and reported our organisational greenhouse gas (GHG) emissions according to the (GHG) Reporting Protocol.
- Energy use data has been collated and converted into Carbon Dioxide equivalent (Co2e) using the 2019 HM Government Environmental Reporting Guidelines along with the 2023/2024 UK Government Conversion Factors for Company reporting in order to calculate emissions from corresponding activity data.
- We have used reliable and obtainable data typical of our operations throughout.

Boundary approach

We have chosen to use the Operational Control boundary approach.

Baseline Year: 2023	
Additional Details relating to the Baseline Emissions calculations	
As we have selected our base year to be on a rolling bases, our FY 2023	
EMISSIONS TOTAL	(tCO ₂ e)
Scope 1	1541.47
Scope 2	1943.44
Scope 3 (Including Sources)	Business Travel (Land & Air) 638.93 Fuel Related Activities 269.01 Energy Related Activities 730 Total - 1638.40
Total Emissions	5123.31

Reporting Year: 2024	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	1834.54
Scope 2	2032
Scope 3 (Including Sources)	Business Travel (Land & Air) 1067.97
	Fuel Related Activities 170.32
	Energy Related Activities 755.05
	Total – 2002.28
Total Emissions	5433.04 Tonnes

TCO₂e represents Tonnes Carbon Dioxide equivalent.

Reasons for change in energy and emissions

Restructuring our company and adjusting the company profile to meet the increased demand on our products and services. Including combining departments and opening new premises.

Sustainability approach

We believe our business activities must be aligned with and adopt the principles of sustainable development and environmental stewardship to allow business development whilst protecting the environment, conserving valuable resources, and ensuring a positive legacy for future generations. We recognise that our activities have an impact on the environment and are committed to reducing these. By incorporating sustainable development into business activities, it allows us to further build and strengthen customer and supplier relationships.

Carbon Reduction Projects

- Installation of PV panels at Redlands site, due to go into operation following validation.
- Installation of EV charging points with capacity for up to 16 cars (4 at Radox Science Park and 12 at Redlands).
- Preparation toward ISO 14001 with low carbon and sustainability targets.
- Radox fleet update to more efficient vehicles with emphasis on hybrid technology where possible.
- Introduction of over 200 LEDs as replacements for fluorescent lighting.
- Green energy procurement for certain supplies.
- Review of air compressors and investigation of heat recovery systems.

Carbon Reduction Targets

- Introduction of timers or PIR sensors for AC units in vacant or partly used space that do not require temperature controls.
- Replacement of fluorescent lighting for LED lighting in outstanding areas across NI Manufacturing sites.
- Review AC condensers with a view to replacing where appropriate.
- Investigate PV Array at various locations across NI manufacturing sites.
- Investigate cold room optimisation.
- Action recommendations from energy analysis to reduce Scope 2 emissions by 2028-year end.
- Action recommendation from Water Mass Balance survey by 2028-year end.
- Action all recommendations from fleet vehicle analysis by 2033.
- Build a 1000kW Anaerobic Digestion (AD) plant complete with CO2 liquification unit for the generation of biomethane by 2034.
- Reduction of up to 75% of all emissions by 2043.
- Achieve in line with EU targets set of Net Zero by 2045.

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 GHG Reporting Protocol corporate standard and uses the appropriate government emission conversion factors for greenhouse gas company reporting.

Scope 1 and 2 emissions have been reported in accordance with SERC 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 the Supplier:

Pauline Bradley_____

Date: 3rd Sep 2025