



ROKE

PPN 06/21 – Roke Carbon Reduction Plan

Supplier name: Roke Manor Research Ltd
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CARBON REDUCTION PLAN

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In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets:5

- An ongoing commitment to reduce our Scope 1 & 2 carbon emissions to zero by 2030.5

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Commitment to achieving Net Zero

Roke Manor Research Ltd is committed to achieving Net Zero emissions by 2050.

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: 2020¹

Additional Details relating to the Baseline Emissions calculations.

For Reporting Year 2025, Roke continues to use Sphera as its carbon accounting software across the business. The platform is used to record and manage CO₂e emissions data from operational activities and applies the UK Government’s “Greenhouse gas reporting: conversion factors” for the relevant reporting year.

Roke continues to report Scope 2 emissions in line with GHG Protocol guidance, using both location-based and market-based methodologies under a dual reporting approach. This ensures transparency in electricity-related emissions and alignment with best practice reporting standards.

Roke’s Scope 3 emissions data collection has further matured during 2025, with improved data quality, supplier engagement, and categorisation across relevant Scope 3 categories. The business continues to enhance methodologies, data capture processes, and internal controls to strengthen the robustness and completeness of Scope 3 reporting.

Chemring Group’s consolidated emissions data, which includes Roke’s reported data, continues to be independently assured by ERM CVS consultancy. Assurance is conducted in accordance with

¹ Baseline year covers period of 1st of November 2019 to 31st of October 2020

the ISAE 3000 standard, providing independent third-party verification to support transparency, accuracy, and confidence in reported greenhouse gas emissions.

During Reporting Year 2025, the Manchester site has been removed from Roke's Scope 1 and Scope 2 boundary as it is contractually not under Roke's operational control. Emissions associated with this site are therefore reported under Scope 3, Category 8 (Upstream leased assets), in accordance with the GHG Protocol organisational boundary requirements.

Following further development and validation of our reporting processes during 2025, data verification activities identified historic data errors relating to natural gas reporting. It has now been confirmed that no sites under Roke's operational control utilised natural gas during either the 2024 or 2025 reporting years. As such, there are no Scope 1 natural gas emissions within the reporting boundary for these periods, and prior disclosures have been corrected accordingly where applicable.

In addition, Scope 3 Category 4 (Upstream transportation and distribution) was included in the prior year's figures as an initial estimate. Following a detailed methodological review during 2025, it was determined that the approach used did not provide a sufficiently robust, reliable, or accurate representation of emissions. As a result, Category 4 emissions have been excluded from the 2025 reporting year while a more appropriate and defensible methodology is developed.

Baseline year emissions: 2020	
EMISSIONS	TOTAL (tCO _{2e}) ²
Scope 1	
Natural Gas	4.61 – Manchester ³ 9.80 – Bristol ⁴
Liquid Fuels	177.8 Diesel – Romsey
Refrigerants	52.2
Scope 1 Total	244.4
Scope 2	
Electricity Market Based	0 – Romsey ⁵ 78.47 – Woking

² Government "Greenhouse gas reporting: conversion factors 2020"

³ This is a previous Manchester location

⁴ Data from a previous company acquisition, based in Bristol

⁵ Scope 2 emissions for Romsey in 2020 were 645.7 tonnes (Location based) but through the purchasing of green energy /REC/ROC/REGO this now stands at 0 tonnes

	11.99 – Gloucester 17.60 – Bristol ⁶
Scope 2 Total	108.06
Scope 3	
Upstream transportation and distribution	Not currently measured
Business travel	Not currently measured
Employee commuting	Not currently measured
Waste generated in operations	Not currently measured
Downstream transportation and distribution	Not currently measured
Scope 3 Total	Not currently measured
Total Emissions	352.47

⁶ As per footnote 4

CURRENT EMISSIONS REPORTING

Reporting Year: 2025 ⁷	
EMISSIONS	TOTAL (tCO _{2e}) ⁸
Scope 1	
Natural Gas	0
Liquid Fuels	4.35 Mobile Diesel - Romsey 2.24 HVO - Romsey 0 - Other sites
Refrigerants	82.7- Romsey
Scope 1 Total	89.3
Scope 2	
Electricity Market Based	0 - Romsey ⁹ 13.6 - Woking ¹⁰ 0 - Gloucester ¹¹
Scope 2 Total	13.6
Scope 3	
Upstream transportation and distribution	Not included
Business travel	633
Employee commuting	18.1
Waste generated in operations	11.8

⁷ 2025 year covers the period 1st of November 2024 to 31st of October 2025

⁸ Government "Greenhouse gas reporting: conversion factors 2025"

⁹ Scope 2 emissions for Romsey in 2025 were 501.5 tonnes (Location based) but through the purchasing of green energy REC/ROC/REGO this now stands at 0 tonnes.

¹⁰ Scope 2 emissions for Woking in 2025 were 6.6 tonnes (Location based)

¹¹ Scope 2 emissions for Gloucester in 2025 were 33.7 tonnes (Location based) but through the purchasing of green energy REGO this now stands at 0 tonnes.

Downstream transportation and distribution	0.6
Scope 3 Total	663.5
Total Emissions	766.4

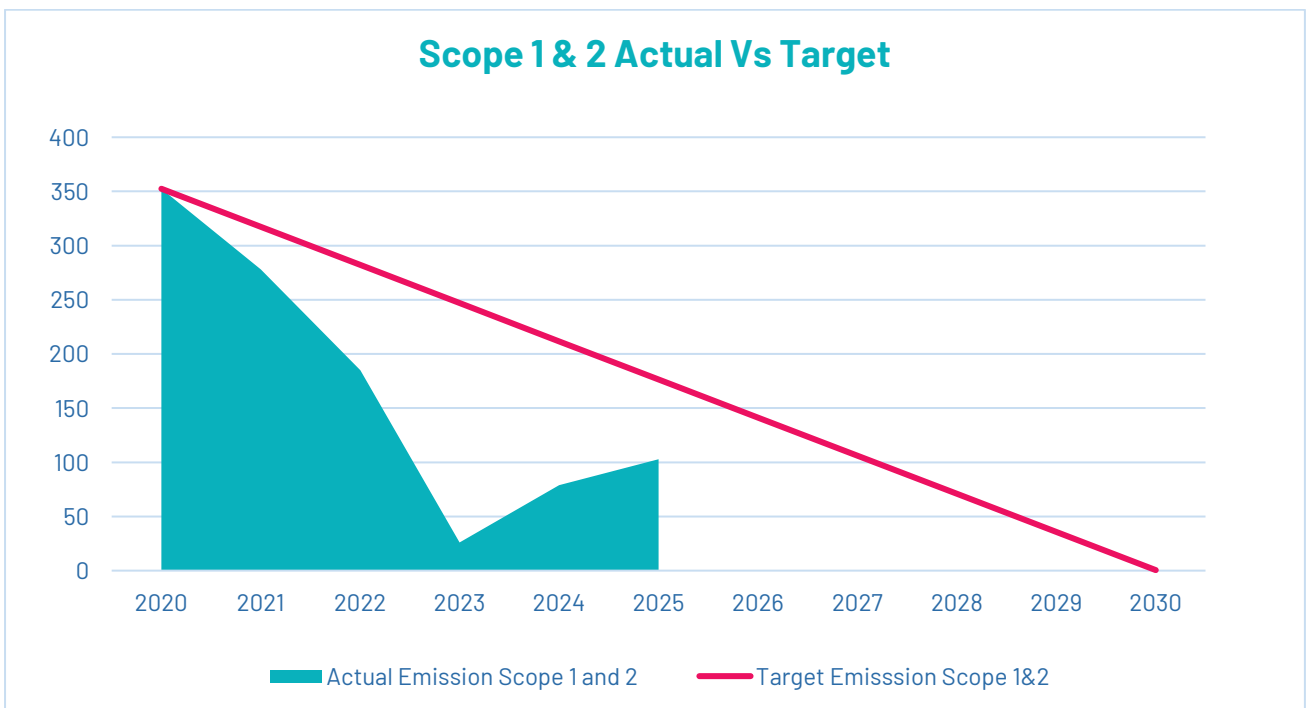
EMISSIONS REDUCTION TARGETS

Roke have committed to all Scope 1 and Scope 2 carbon emissions being Net Zero by 2030 and to become a Net Zero business by 2050. We are developing options to reduce CO₂e further, these targets will be phased over the period to 2050.

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets:

- An ongoing commitment to reduce our Scope 1 & 2 carbon emissions to zero by 2030.

Roke had intended to establish a combined Scope 1, 2 and 3 emissions reduction target; however, this has not yet been possible due to the methodological limitations identified in relation to Scope 3 Category 4 (Upstream transportation and distribution) data. Until a sufficiently robust and reliable methodology is implemented, and Scope 3 emissions can be fully reported and verified, a combined Scope reduction target will not be established. Roke will finalise this target once Scope 3 data completeness, accuracy, and methodological integrity are confirmed.



CARBON REDUCTION PROJECTS

Carbon Reduction Update

In Reporting Year 2025, total Scope 1 and 2 emissions were 102.9 tCO₂e, of which approximately 13% relates to Scope 2 purchased electricity (13.6 tCO₂e). Roke continues to review electricity procurement arrangements across its sites, including the use of renewable electricity tariffs and verifiable Renewable Energy Guarantees of Origin (REGOs), to reduce market-based Scope 2 emissions where feasible.

The majority of Scope 1 emissions (approximately 93%) arise from fugitive refrigerant emissions associated with air conditioning systems (82.7 tCO₂e). Whilst refrigerant systems are subject to regular inspection and maintenance in line with regulatory requirements, further work will be undertaken to assess system upgrades and the phased replacement of refrigerants with lower Global Warming Potential (GWP) alternatives, in order to reduce future leakage-related emissions.

Carbon Reduction Initiatives to date

- ESOS 3 Project No. P313102.02 September 2023
- Replaced Diesel at Romsey with Hydrotreated Vegetable Oil (HVO) from April 2022
- 20 Electric vehicle charging points
- Refurbishment of Pavilion to include better insulation, temperature control, PIR lighting
- Tusker car benefit scheme offering Hybrid, PHEV and EV cars for Roke staff
- Replacement Major Chiller Unit with on demand driven pumps
- ESG/Corporate Social Value 'Climate Change' Working Group established
- Implementation of reporting platform (Sphera) for ESG and tCo2e data capture
- JOSCAR (joint supply chain accreditation register) Zero registration
- Gloucester electricity has moved onto a green tariff from October '24
- Implementation of Thrive, used for the reporting and management of Roke's social values
- Replacement of the HVO tank, reducing storage quantity on site
- Replacement of the Uninterrupted Power Supply (UPS)
- Upgraded Building Management System programme at Romsey
- Solar panels installed at Romsey and Gloucester

Continuance Carbon Reduction Initiatives

- BSI Certified ISO 14001 Environmental Management System Continued assessment and recertification (certificate EMS 580346)
- Sourcing reputable and verifiable RECs/REGO/ROCs.

Future Carbon Reduction Initiatives

- LED lighting replacement ongoing
- PIR light controllers, ongoing
- ESOS 3 Environmental engineering recommendations for alternative integrated environmental power supplies
- Continued investigation into replacement of f-gas
- Continued investigation into replacement of boilers

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 the Supplier:

A handwritten signature in black ink, appearing to read 'M Overton', with a long horizontal flourish underneath.

Marc Overton
Managing Director - Roke Manor Research Ltd
Date: 02 April 2026

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