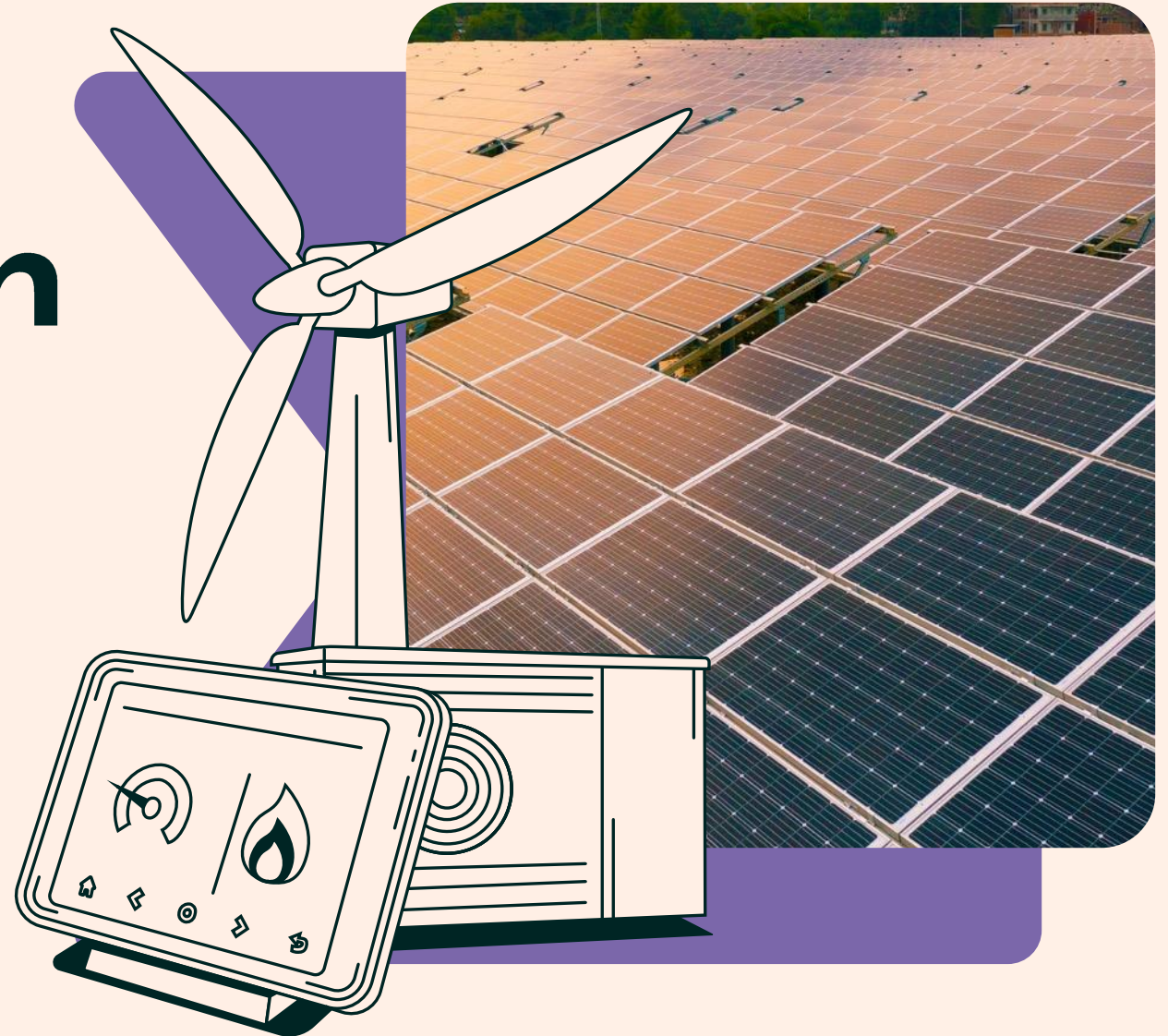


Carbon Reduction Plan

Ansaldo Nuclear

July 2025



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Verification and Assurance

The Carbon Reduction Plan has been produced for Ansaldo Nuclear.

The contents of this report have been assurance checked for accuracy, completeness, and consistency emissions data, and energy efficiency actions by a qualified energy professional, independent of the author.

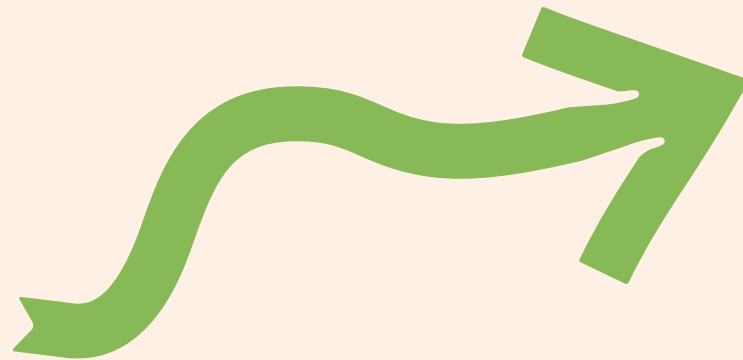
This report:

- Has a reporting period consistent with the financial statement.
- Has been prepared in line with the Procurement Policy Note (PPN) 06/21.
- 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 have used the appropriate Government emission conversion factors for greenhouse gas company reporting where available.
- Is based on information received from various sources and contains as far as practically possible, no material misstatements.



Net Zero Commitment

**Ansaldo Nuclear is committed
to aligning with UK Government
targets and achieving
Net Zero Emissions by 2050**



Base Year Emissions

The base year emissions represent the amount of greenhouse gases that would have been emitted under a 12-month business-as-usual scenario. The baseline is the reference point for Ansaldo Nuclear to both measure and manage their greenhouse gas emissions going forward.

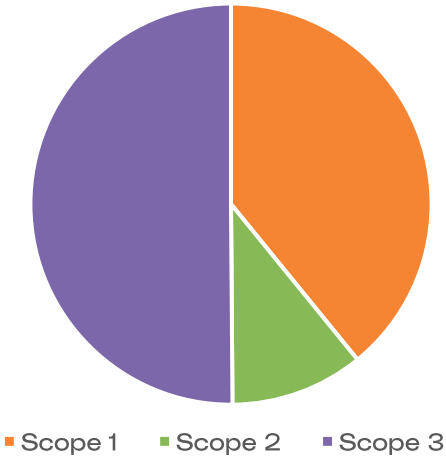
Ansaldo Nuclear will recalculate the base year if any substantial organisational change, or restructuring occurs.

Base Year

The base year is Jan 2023 – Dec 2023. Measurements include mandatory scope 1, 2, and 3 emissions.

Estimates and assumptions have been made with the collation of data, and this is documented in the methodology.

The total emissions for the base year is 2,083 tonnes of CO₂e, with 50% arising from scope 3.



A breakdown of the baseline carbon footprint is detailed below:

SCOPE 1 (tCO ₂ e)	Jan 23 – Dec 23
Gas	373
Fuels	435
Company Vehicles	7
Total Scope 1	815
SCOPE 2 (tCO ₂ e)	Jan 23 – Dec 23
Purchased Electricity	224
Total Scope 2	224
SCOPE 3 (tCO ₂ e)	Jan 23 – Dec 23
1. Purchased Goods and Services	158
2. Capital Goods	201
3. Fuel- and Energy-Related Activities	30
4. Upstream Transportation & Distribution	171
5. Waste Generated in Operations	7
6. Business Travel	139
7. Employee Commuting	338
Total Scope 3	1,044

TOTAL CARBON FOOTPRINT

2,083 tCO₂e

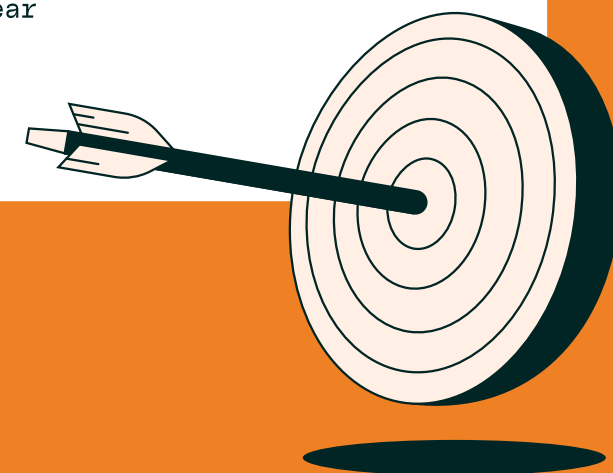
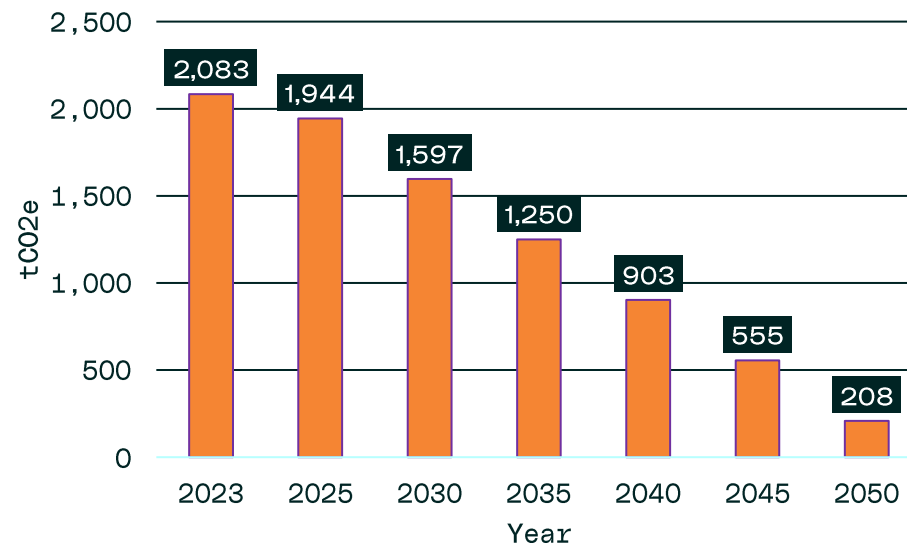
Emission Reduction Target

Ansaldo Nuclear has established a measurable pathway to Net Zero by setting a formal commitment to achieve net zero greenhouse gas (GHG) emissions by 2050.

To underpin this commitment, the organisation has selected calendar year 2023 as its official emissions baseline. This year will serve as the reference point for quantifying future reductions in Greenhouse Gas emissions across all relevant scopes.

Annual emissions will be systematically monitored and reported, enabling transparent assessment of progress against the Net Zero target. This approach reflects Ansaldo Nuclear's dedication to environmental accountability and continuous improvement in line with evolving best practices in climate action.

Net-Zero Target (tCO₂e)



Completed Carbon Reduction Initiatives



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A comprehensive compressed air audit was carried out to identify and address system inefficiencies, specifically targeting air leakages.



Ansaldo has progressively reduced its fleet of cars and vans over recent years, contributing to lower transport-related emissions.



Solar photovoltaic (PV) panels have been installed on the newly developed facility.



The transition to energy-efficient lighting has been underway for the past five years, with phased installation of LED lighting across the site.



All operational waste is now fully diverted from landfill, reflecting a strong commitment to responsible waste management.



A sustainable business travel policy has been implemented, significantly reducing the need for air travel through the promotion of virtual meetings and digital collaboration.



To support low-carbon commuting, an electric vehicle salary sacrifice scheme has been introduced, alongside the installation of EV charging infrastructure at company premises.



Approximately two years ago, the company adopted a formal hybrid working policy following the COVID-19 pandemic, reducing the need for daily commuting and associated emissions in employee commuting.

Future Carbon Reduction Initiatives



- ✓ The transition to electric forklift trucks is currently underway, with internal combustion engine (ICE) models being progressively phased out.
- ✓ Feasibility studies are in progress to assess the implementation of variable speed drives (VSDs) on compressed air systems to enhance energy efficiency.
- ✓ Ansaldo plans to transition all internal combustion engine (ICE) vehicles to hybrid or fully electric alternatives at the end of their current lease periods.
- ✓ A formal sustainable procurement strategy is scheduled for implementation by the end of the next financial year, aimed at embedding environmental criteria into purchasing decisions.
- ✓ A green transport policy for upstream logistics is in development, with the objective of encouraging suppliers to transition to electric vehicle (EV) fleets where feasible.



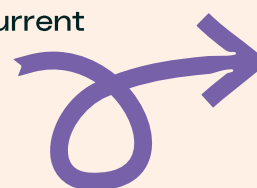
Methodology

Scope 1 and 2 greenhouse gas emissions have been calculated using the Environmental Reporting Guidelines: including Streamlined Energy and Carbon Reporting (SECR) Requirements issued by the UK Government in March 2019¹. Emissions have been calculated using the UK Government Greenhouse Gas Reporting Conversion Factors relevant to the reporting period. Scope 2 emissions have been calculated using the location-based approach.

Scope 3 emissions have been calculated following the methodologies detailed in the Greenhouse Gas Protocol Technical Guidance for Calculating Scope 3 Emissions³. The chosen methodology for each scope 3 category is highlighted in the adjacent table.

Where available, emission factors were sourced from the annual Greenhouse gas reporting: conversion factors from the Department for Energy Security and Net Zero and Department for Business, Energy & Industrial Strategy⁴. Where a spend-based methodology was used, emission factors were sourced from the UK Government “Indirect emission from the supply chain”. The CO₂e emission factor has been utilised throughout.

Source data for energy consumption—such as fuel and natural gas—was not available at the time of this assessment and therefore has not been independently verified. As more accurate or complete data becomes available in future reporting periods, figures may be subject to revision. If future data remains consistent with current estimates, this year’s figures can be considered reasonably representative; otherwise, restatement may be required.



SCOPE 3 CATEGORY	METHODOLOGY	NOTES
Category 1: Purchased Goods and Services	Spend-based	
Category 2: Capital Goods	Spend-based	
Category 3: Fuel and Energy Related Activities	Average-data	
Category 4: Upstream Transportation and Distribution	Volume and Distance-based	
Category 5: Waste	Spend-based	
Category 6: Business Travel	Spend-based	
Category 7: Employee Commuting	Distance based and Work From Home	
Category 8: Upstream Leased Assets		Not Applicable
Category 9: Downstream Transportation and Distribution **		No emissions
Category 10: Processing of Sold Products*		Not Accounted
Category 11: Use of Sold Products*		Not Accounted
Category 12: End-of-life Treatment of Sold Products*		Not Accounted
Category 13: Downstream Leased Assets		Not Applicable
Category 14: Franchises		Not Applicable
Category 15: Investments		Not Applicable

* Processing, Use and End-of-life treatment of sold products is potentially applicable, and Ansaldo Nuclear is currently analysing methodologies to accurately quantify and integrate these emissions into their carbon footprint

** Ansaldo Nuclear incurs no emissions under Downstream Transportation and Distribution, as all products are shipped directly to customers under Ansaldo Nuclear’s control and cost. These emissions are accounted for within Upstream Transportation and Distribution.

Carbon Reduction Plan

Summary

Ansaldo Nuclear understand the importance of reaching Net Zero in order to mitigate our impact contributing to the climate crisis. However, Ansaldo Nuclear understand the difficulties in achieving this change, therefore will ensure our strategy is aligned to the following principles:

- ➔ **Prioritise Emissions Reduction Over Offsetting**
Focus on reducing emissions directly within operations and supply chains before considering carbon offsetting
- ➔ **Engage Stakeholders**
Involve employees, suppliers, and customers in the net zero journey
- ➔ **Optimise Resource Efficiency**
Implement measures to reduce waste and optimise resource use, such as circular economy principles or sustainable product design, to lower overall carbon footprint
- ➔ **Enhance Transparency and Reporting**
Regularly measure, report, and communicate progress towards net zero targets with transparent data and clear metrics
- ➔ **Align with Regulatory and Industry Standards**
Stay ahead of regulatory requirements and align with industry best practices
- ➔ **Plan for Continuous Improvement**
Regularly review and update the carbon reduction plan to reflect new insights, technologies, and progress, maintaining flexibility to adapt and improve strategies over time.
- ➔ **Commit to Constant Research and Learning**
Continuously research emerging topics and innovations in carbon reduction, and incorporate lessons learned from other companies' successes and challenges.

Ansaldo Nuclear believe that these principles provide a dynamic and comprehensive framework for companies aiming to achieve net zero emissions.

Glossary and References

- **Net Zero:** A state where the amount of greenhouse gases emitted, and the amount removed from the atmosphere are equal.
- **Carbon Footprint:** The amount of GHG emissions generated from a particular individual, community, or organisation.
- **Greenhouse Gas Protocol:** Supplies a global standardised framework for accounting and reporting of greenhouse gases.
- **Paris Agreement:** An international treaty that addresses climate change and aims to limit global warming to well below 2°C or preferably 1.5°C.
- **PPN 06/21:** Procurement Policy Note 06/21 requires every entity bidding for UK Government contracts valued at £5 million or more, is required to have a Carbon Reduction Plan.
- **Scope 1:** Direct emissions of greenhouse gases from assets operated or owned by an organisation, such as fuel from company owned transport and gas used for heating.
- **Scope 2:** Indirect emissions of greenhouse gases linked to the purchase of electricity, heat and steam.
- **Scope 3:** All other indirect emissions of greenhouse gases that result from the operations of an organisation. Scope 3 emissions are divided into 15 categories as defined in the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard.
- **Location-based emissions:** A methodology that calculates emissions based on the average carbon intensity of the grid within a specific region.
- **Market-based emissions:** A methodology that considers the specific energy contracts a company is in when calculating emissions arising from energy use.
- **Greenhouse Gas (GHG):** Gases that trap heat within the Earth's atmosphere by absorbing infrared radiation e.g. Carbon Dioxide (CO₂) and Nitrous Oxide (N₂O).
- **Carbon Dioxide Equivalent (CO₂e):** A unit of measurement that includes the impacts of all greenhouse gases.
- **Science Based Targets:** A target that reduces emissions in line to meet the Paris Agreement and limit global warming to 1.5°C.
- **SBTi:** The Science Based Target Initiative (SBTi) is a corporate climate action organisation that encourages and assists global companies and financial institutions to set targets and decarbonise.
- **SECR:** Streamlined Energy and Carbon Reporting (SECR) is a mandatory UK regulation requiring large companies to report annually on their energy use and associated carbon emissions.

¹ <https://www.gov.uk/government/publications/environmental-reporting-guidelines-including-mandatory-greenhouse-gas-emissions-reporting-guidance>

² <https://ghgprotocol.org/corporate-value-chain-scope-3-standard>

³ <https://ghgprotocol.org/scope-3-calculation-guidance-2>

⁴ <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

Carbon Reduction Plan

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 use the appropriate Government emission conversion factors for greenhouse gas company reporting where applicable.

Scope 1 and scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of scope 3 emissions that are applicable 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 for and on behalf of Ansaldo Nuclear

Name

Andrea Basso

Title

Managing Director

Date

23/10/2025

Signature



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