

# Carbon Reduction Plan

**QinetiQ Ltd**

September 2024



Supplier name: **QinetiQ Limited**  
 Publication date: **20/09/2024**

## Commitment to Net-Zero

QinetiQ Limited is committed to achieving Net Zero emissions by **2050** or sooner.

For more information, please see our QinetiQ Group [Net-Zero plan](#).

## 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.

Our Baseline includes our greenhouse gas (GHG) emissions from the seven GHG’s named by the Kyoto Protocol:

- Carbon Dioxide (CO2)
- Hydrofluorocarbons (HFCs)
- Methane (CH4)
- Nitrous Oxide (N2O)
- Nitrogen Trifluoride (NF3)
- Perfluorocarbons (PFCs)
- Sulphur Hexafluoride (SF6)

Our emissions are calculated in tonnes of carbon dioxide equivalent (CO2e) using the appropriate conversion factors published by the UK Government Department for Energy Security and Net Zero (DESNZ).

Our GHG emissions reporting is aligned to our UK Financial Year (FY), i.e. 1st April to 31st March, and our Baseline year is FY20, i.e. 1st April 2019 to 31st March 2020. We published our first Carbon Reduction Plan (CRP) in September 2021, in response to the UK Government National Procurement Policy Notice (PPN) 06/21, and we have made a commitment to publish a new CRP at this time each year.

We use the “Financial Control” approach as part of our [GHG methodology](#).

As required by PPN 06/21, this document includes the following GHG emissions from QinetiQ Limited.

- Scope 1
- Scope 2
- Scope 3
  - Category 4 (Upstream Transport & Distribution)
  - Category 5 (Waste from Operations)
  - Category 6 (Business Travel)
  - Category 7 (Employee Commuting)
  - Category 9 (Downstream Transport & Distribution)

Note that there are 15 different Categories of Scope 3 emissions (as defined by the GHG Protocol), however PPN 06/21 only mandates the reporting of the five Categories listed above.

The Scope 1 and 2 figures presented are subject to limited assurance by a third party (see our [FY24 Assurance Report](#)).

### Baseline Year: FY20

| Emissions                  | Total (tCO2e) |
|----------------------------|---------------|
| Scope 1                    | 18,441        |
| Scope 2                    | 16,281        |
| Scope 3 (included sources) | 17,041        |
| <b>Total Emissions</b>     | <b>51,763</b> |

### Reporting Year: FY24

| Emissions                  | Total (tCO2e) |
|----------------------------|---------------|
| Scope 1                    | 10,404        |
| Scope 2                    | 10,542        |
| Scope 3 (included sources) | 16,439        |
| <b>Total Emissions</b>     | <b>37,385</b> |

## Emissions Reduction Targets

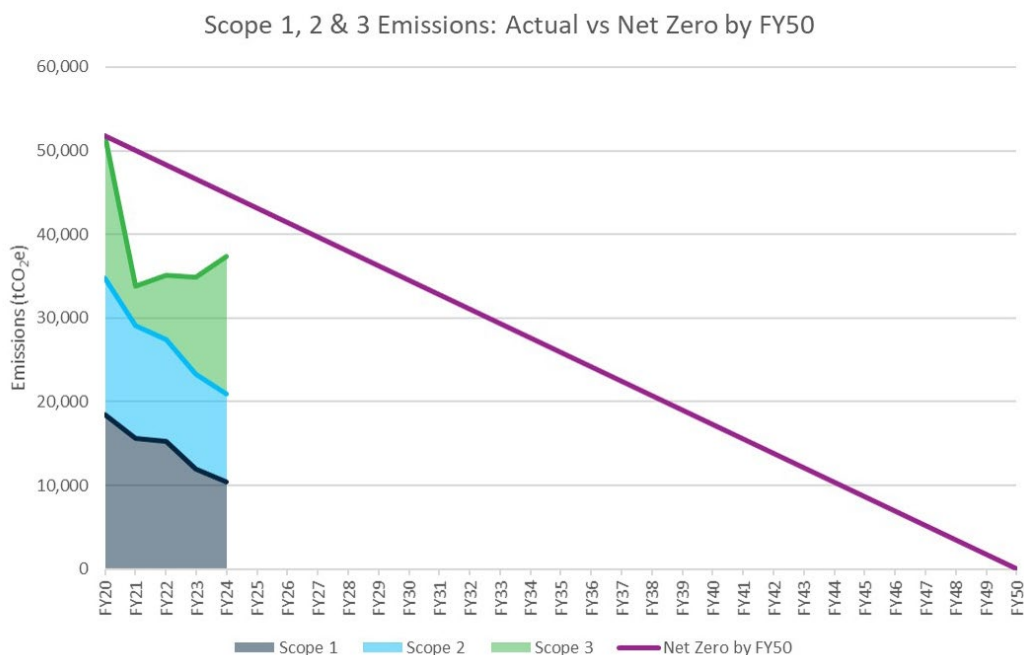
We commit to achieve Net-Zero GHG emissions by 2050 or sooner for our operations and across our whole value-chain (i.e. Scope 1, 2 and 3).

Our **Net-Zero Plan** outlines our QinetiQ Group emissions targets and the key initiatives that will enable us to meet these. Our targets, shown below, comprise achievable near- and long-term science-based objectives, which are aligned with a 1.5°C pathway.

Our targets were validated by the Science Based Targets initiative (SBTi) in May 2022, and were considered to be ambitious. Through our SBTi validation, QinetiQ are proud members of both the SBTi Business Ambition for 1.5°C Campaign and the United Nations Framework Convention on Climate Change (UNFCCC) Race to Zero Campaign.

| Timeframe      | Scope 1&2               | Scope 3                 | Total                   |
|----------------|-------------------------|-------------------------|-------------------------|
| FY20           | Base year               | Base year               | Base year               |
| FY30           | -50% absolute reduction | -30% absolute reduction | -33% absolute reduction |
| FY50 or sooner | Net-Zero                | Net-Zero                | Net-Zero                |

## Progress to Date



We are committed to maintaining the accuracy of our reporting, ensuring that significant material changes to our business and/or our calculation methodology are correctly reflected in the figures we publish. Within this document, we have restated our FY20 baseline when compared to the figures outlined in our previous Carbon Reduction Plan. This is a result of a Group-wide re-baselining activity that we have undertaken, to fully integrate recent acquisitions and divestments into our GHG emissions reporting, and correct anomalies in our calculations.



## Greenhouse Gas Reduction Projects

Our Net-Zero plan outlines four key initiatives that drive our planned programme of activities, applying a data-driven approach to inform what we do and when. We developed these in accordance with the SBTi Net-Zero Standard and criteria, and the associated GHG Protocol Corporate Standards.

Our activities, mapped to these four key initiatives, span all elements of our value chain, and we have included examples of these below. A more detailed list of activities, including our plans for the next reporting period, can be found within our [FY24 Annual Report and Accounts](#).

**Net-Zero Operations**  
(Scope 1 and 2 GHG emissions)

**Initiative**  
**01**

### Completed in FY24

- Bio-fuel trial, testing the replacement of diesel in specific assets with Hydrotreated Vegetable Oil (HVO), as a scoping exercise to support finalising plans for a phased removal of fossil fuels from our operations.
- Installation of Photovoltaic (PV) arrays at our Haslar site, as a pilot for future implementations across our UK estate and the estate that we manage on behalf of our UK customers.
- Installation of additional electrical sub-meters across our UK estate, providing greater granularity on our electricity consumption, coupled with the implementation of a new third-party energy monitoring platform to enable more dynamic management of our energy usage and deeper analysis of trends to drive improvements in efficiency.
- Installation of additional Electric Vehicle (EV) charging stations across our UK estate, to support the ongoing adoption of more EVs across our corporate fleet, and for use by employees, customers and visitors.
- Performed risk analysis for a specific use-case to determine feasibility of using Sustainable Aviation Fuel (SAF) in future flight trials.

**Net-Zero upstream and downstream focus**  
(Scope 3 GHG emissions)

**Initiative**  
**02**

### Completed in FY24

- Roll-out of a new business travel booking platform, to provide a consistent approach to sourcing travel services and greater access to travel data to enable analysis and insight. Also making it easier for employees to include their travel carbon footprint into informed travel choices.
- Successfully delivered a Supply Chain Net-Zero Summit to provide an in-depth understanding of the importance of supply chain to reducing Scope 3 emissions associated with Purchased Goods and Services and Capital goods.
- Engagement with colleagues across our Procurement functions, providing tools and resources to enable greater knowledge-sharing with our supply chain.
- Implementation of a new Supply Chain Taxonomy, enabling greater analysis and insight into our procurement practices to drive change.

**Deliver critical internal and industry-wide enabling activities**

**Initiative**  
**03**

**Completed in FY24**

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- Investment in a number of innovation projects, directly supporting our Net-Zero plan, sourced through our employee ideation platform the IdeaXChange, and our internal research and development fund.
- Improved climate change element of our environmental mandatory training module for all employees.
- Second year of direct alignment of the Annual Bonus Plan for senior leaders to GHG emissions reductions, and inclusion of a larger leadership community.
- Internally-developed Carbon Calculator available to all employees to help them calculate the carbon footprint of their activities.
- Hosted a roundtable discussion at the Defence & Security Equipment International (DSEI) exhibition with key customer representatives around sustainability and the forecast impact of climate change on their operations.
- Leadership of a number of industry collaboration forums and initiatives.
- Signatory to the ADS ESG Charter.
- Signatory to the Defence Aviation Net-Zero Charter
- Significant contribution to the Defence Supplier's Forum GHG Code of Practice.

**Co-create with customers, invest in research and development and care for the environment**

**Initiative**  
**04**

**Completed in FY24**

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- Successfully delivered a Sustainable 'Tech Demo' event and webinar, focussing on small to medium enterprise (SME) business innovators and examples of potential for cross-sector innovation to support Defence challenges.
- Successfully delivered an Accelerated Capability Environment (ACE) Research Network event relating to sustainability and how digital, data and security can contribute towards Net-Zero.
- Delivered support to Defence Equipment & Support (DE&S) on Sustainable Acquisition and the changes required to enable UK MOD to purchase lower-emission and more climate-resilient technology.

## Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards 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 Streamlined Energy & Carbon Reporting (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 our Group Chief Financial Officer, who is the lead for climate change on our Board of Directors.

**Signed:**

A handwritten signature in black ink, appearing to read 'Martin Cooper', with a long horizontal flourish extending to the right.

**Martin Cooper, Group Chief Financial Officer**

Date: 20/09/2024

**For further information  
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