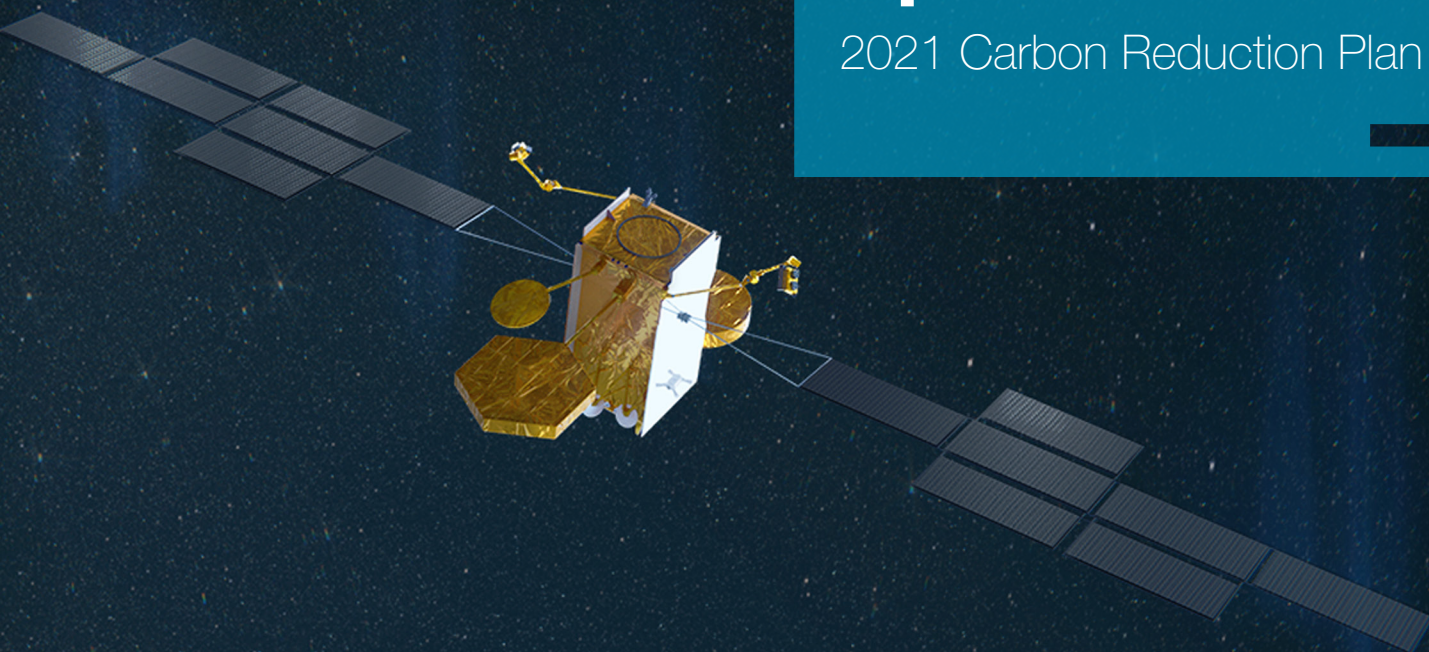


DEFENCE AND SPACE

# Airbus Defence and Space Ltd

2021 Carbon Reduction Plan



**AIRBUS**



# Commitment to achieving net zero



**Airbus Defence and Space Ltd is committed to achieving Net Zero emissions for its UK operations by 2050.**

This commitment is made as part of and according to the global Airbus SE (“Airbus”) ambition to reach Net Zero Greenhouse Gas (GHG) emissions for its manufacturing sites and its site operations by 2050 as disclosed in the 2021 Airbus Annual Report.

## 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.

### Airbus Defence and Space Ltd scope Baseline year: 2015

Additional Details Relating to the Baseline Emissions Calculations.

Airbus has set 2015 as the baseline year for its 2030 emission reduction plan. Scope 1 and 2 figures, for both the baseline and current years, are calculated as pro-rata (by reference to the number of Airbus full-time employees) of global Airbus environmental reported data (Ref: Airbus Annual Report). In 2021 Airbus improved its reporting methodology and all Scope 1 and 2 data in this document has been restated to reflect these evolutions.

Airbus Defence and Space Ltd scope Baseline year emissions:	
Emissions	Total (tCO <sub>2</sub> e)
Scope 1	13,779
Scope 2	9,116
Scope 3 – included sources	7,560
<b>Total emissions</b>	<b>30,455</b>



# Current emissions reporting

Airbus Defence and Space Ltd scope Reporting year 2021:	
Emissions	Total (tCO <sub>2</sub> e)
Scope 1	13,456
Scope 2	6,348
Scope 3 – included sources	2,874
<b>Total emissions</b>	<b>22,678</b>

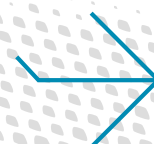
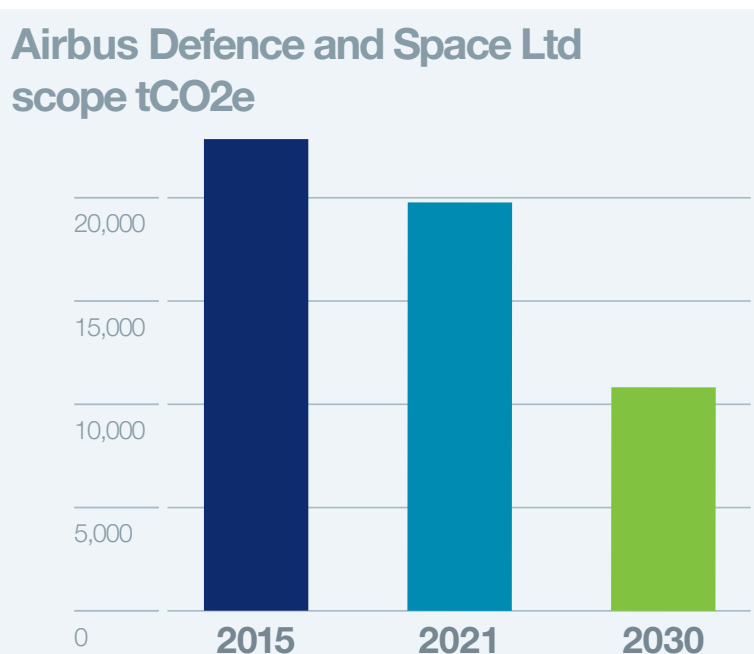
# Emissions reduction targets

**In order to continue our progress to achieving Net Zero, Airbus has adopted the following GHG emissions reduction targets.**

Airbus Defence and Space Ltd projects its Scope 1 and 2 carbon dioxide equivalent (CO<sub>2</sub>e) emissions to decrease by 63% to a total of 12,134 tCO<sub>2</sub>e by 2030.



Progress against these targets can be seen in the graph



# Airbus wide carbon reduction projects



## high5+

In 2019, Airbus rolled out its high5+, a plan to reduce the environmental footprint of its industrial operations globally by 2030 in the areas of energy and water consumption, waste production and VOC (volatile organic compound) and CO<sub>2</sub>e emissions. These 2030 objectives were set as absolute reductions compared to 2015 Baseline levels.

Specifically on energy and CO<sub>2</sub>, the objective is to achieve an energy reduction of 20% and Scope 1 and 2 net GHG emissions reduction of 63% by 2030. This target was set by applying the relevant “Science Based Target Initiative” (SBTi) methodology for a near-term target in line with a “1.5°C” pathway. While Airbus is working on a detailed pathway for a long-term target in line with the SBTi Net-Zero standard, it has committed to neutralise the scopes 1 and 2 residual emissions from 2030 by using only carbon removals.

## Energy efficiency maintenance and equipment upgrades

As part of its strategy to improve energy efficiency, Airbus is exploring specific energy improvement projects and maintenance replacements. This means that replacements under maintenance will be to the latest applicable energy standard. For example, legacy air handling unit belt drive motors are being replaced with electronically commutated plug fan motors as part of standard maintenance activity. Motor replacement is a project currently being reviewed by the Airbus Defence and Space Ltd energy team and is currently at the initial scoping stage.

## Low carbon power strategy

Airbus is currently in the process of securing 100% of its power from renewable sources by 2023. The intention is that this will be obtained through a combination of investment in onsite renewables, direct wire connection from local sources, corporate power purchase agreement and Renewable Energy Guarantee of Origin (REGO). As part of this transition Airbus Defence and Space Ltd procured 20% of its power through REGOs in 2020, 30% in 2021 and will extend to 50% in 2022.

## ISO 14001 certification

Airbus continues to demonstrate its commitment to improving its environmental performance by having been recertified to ISO 14001: 2015 version in November 2019, and confirmed by a certification surveillance audit in 2020 and 2021.

Airbus actively monitors its environmental data throughout the organisation in order to measure the environmental impact of its site operations, track its performance and communicate information on environmental matters to internal and external stakeholders. Since 2010, Airbus has published environmental data verified by external auditors.

## Transport and Logistics

Airbus Transport and Logistics are implementing a sustainability strategy in line with the Airbus High5+ 2030 objectives. The initial stage is to define measurement and monitoring processes to enable the establishment of baselines and the setting of improvement objectives.



# Completed and future carbon reduction initiatives

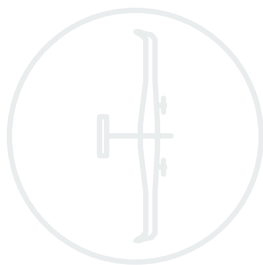


**The following environmental management measures and projects have been completed or implemented since the 2015 baseline. The GHG emissions reduction achieved by these schemes equate to 3,091 tCO<sub>2</sub>e, a 13% reduction against the 2015 baseline and the measures will be in effect when performing the contract.**

**Some examples of completed projects are described here below.**

## Energy efficiency and carbon reduction roadmap planning

During 2021, an external consultancy was commissioned to support the development of long term roadmaps to achieve the energy efficiency and carbon reduction targets on three main Airbus Defence and Space sites (Portsmouth, Stevenage and Newport). The output of these site studies will detail the energy efficiency and local heat decarbonisation projects needed to bridge any gaps to target.



## Energy data metering

An Airbus nationwide 'Metering Investment' strategy has been developed and launched in 2020 in the UK in order to provide greater data granularity of site energy consumption. By the end of 2022, the project is expected to deliver high frequency (30 minute interval) metered data for the Significant Energy Users including main buildings, clean rooms and assets. This data will allow for more granular assessment and targeted improvement as well as more granular energy performance management and target cascading. In 2020, we successfully connected high frequency data for all main incoming supplies for gas and electricity at site level to our energy management system, which underpins our monitoring and targeting strategy.

## Energy efficiency measures

Airbus has embarked on a lighting replacement programme to transition all main facilities to LED standards with advanced controls.

In 2022, 300 new fittings will be replaced at the Portsmouth site in one of the main clean room facilities.

At the Stevenage site, a new process to closely control lighting in large spaces with a small number of occupants was deployed in 2021. In addition, a clean room heating ventilation and air conditioning optimization project has been launched to review 'out of hours' energy consumption whilst maintaining the required operational environmental conditions. Also a legacy 1950s boiler was replaced in 2021 by an optimised boiler which is set to reduce energy demand by 1,300 MWh per year, with further boilers being replaced in 2022. In parallel, a study has been launched to understand the benefits of introducing biomass for the steam boiler baseloads or to de-steam the site and electrify.



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# Declaration and sign-off

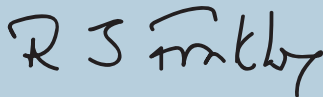
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

Scope 1 and Scope 2 emissions are calculated as pro-rata (by reference to the number of Airbus full-time employees) of global Airbus environmental reported data (Ref: Airbus Annual Report). 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<sup>3</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

## Signed on behalf of Airbus Defence and Space Ltd



Richard Franklin

**Managing Director**  
**Airbus Defence and Space Ltd**

**Click:**

<sup>1</sup><https://ghgprotocol.org/corporate-standard>

<sup>2</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>3</sup><https://ghgprotocol.org/standards/scope-3-standard>