HELICOPTERS

Airbus Helicopters UK Ltd

2020 Carbon Reduction Plan

AIRBUS

Commitment to achieving net zero

Airbus Helicopters UK 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 2020 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.

Baseline year: 2015
Additional Details Relating to the Baseline Emissions Calculations.
Airbus has set 2015 as the baseline year for its Scope 1 and 2 2030 emission reduction plan. For Scope 3, a 2018 baseline is used due to data availability reasons. 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).

Baseline year emissions:	
Emissions	**Total (tCO_2e)**
Scope 1	765
Scope 2	577
Scope 3 – included sources	1,362.2 (Baseline 2018)
Total emissions	**2,704.2**

Current emissions reporting

Reporting year 2020:	
Emissions	**Total (tCO_2e)**
Scope 1	798
Scope 2	531
Scope 3 – included sources	994.1
Total emissions	**2,323.1**

Emissions reduction targets

In order to continue our progress to achieving net zero, Airbus has adopted the following GHG emissions reduction targets.

Airbus Helicopters UK Ltd projects that its Scope 1 and 2 GHG emissions will decrease to a total of 805 tCO2e by 2030. This is a reduction of 40%.

Progress against these targets can be seen in the graph:

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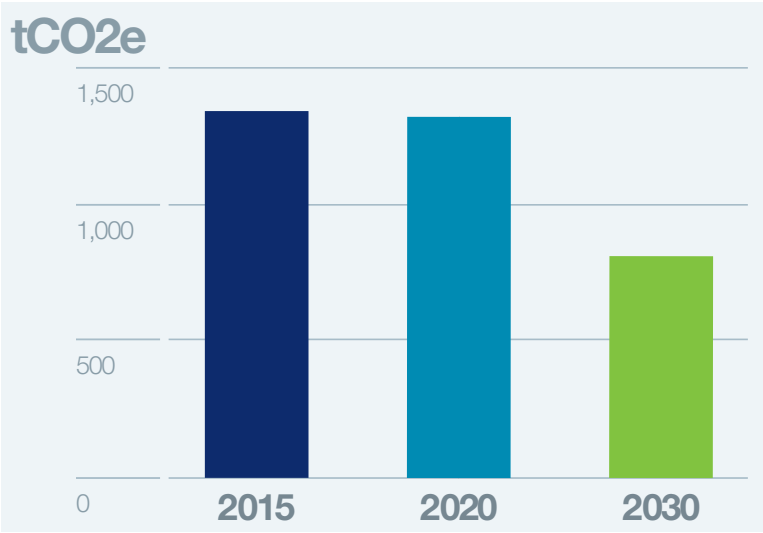

Carbon reduction projects

Completed and future carbon reduction initiatives

In 2019, Airbus rolled out 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_2e emissions. These 2030 objectives have been set in absolute reduction value compared to their 2015 Baseline levels.

Specifically on energy and CO_2, the objective is to achieve an energy reduction of 20% and Scope 1 and Scope 2 net GHG emissions reduction of 40% by 2030. This target has been set following the "Science Based Target Initiative" methodology by reference to a "well-below 2°C" scenario. Longer term, Airbus has set as its own ambition to reach Net Zero GHG emissions for its manufacturing sites and its site operations by 2050.

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 2022. Airbus actively monitors its environmental data in order to measure the environmental impact of its site operations, track its performance and communicate with internal and external stakeholders. Since 2010, Airbus has published environmental data verified by external auditors.

In 2019, Airbus introduced a process to compensate for GHG emissions in Scope 1 and 2 and partially in Scope 3, (i.e. air business travels and certain logistic activities) for which efforts to reduce emissions and use of renewable energy are not sufficient to meet internal targets. This mechanism follows a climate mitigation hierarchy according to which, firstly efforts are placed for avoiding and reducing GHG emissions in absolute value to later compensate. As part of its plan to tackle Scope 3 emissions, Airbus compensates all emissions from air business travel at corporate level.

In the same timeframe, the share of renewable electricity used in industrial operations in Europe is scheduled to progressively increase to reach 100% by 2030.

With regards to its own product fleet, Airbus Helicopters has a roadmap to reduce carbon emissions and is focusing efforts on six key areas:

1. Replacing current fleets with more performant aircrafts - improving its products through new designs (progress on aerodynamics), advanced materials (to decrease mass), upgraded systems and high efficiency turbines combined to electrical engines to decrease fuel consumption.
2. Investing in disruptive technologies that will enable Airbus Helicopters to market full electrical vehicles, in particular for Urban Air Mobility.
3. Exploring the feasibility to use zero carbon alternative fuels like H_2
4. Investing in solutions to support its customers to minimise fuel consumption with best operational practises, innovative services and training.
5. Developing in cooperation with its suppliers/value chain and deploying SAF – all Airbus helicopters are certified to fly with a fuel blend including up to 50% of SAF.
6. Encouraging temporary CO_2 emission compensation schemes - temporary CO_2 emission compensation will be instrumental to stabilising aviation's emissions in the medium term until disruptive solutions reach maturity.

Other environmental management measures and projects have been completed or implemented by Airbus since 2015.

For Airbus Helicopters UK Ltd:

- Optimization of lighting systems leads to carbon emission reduction equivalent to 13 tCO_2e, a 1% reduction against the 2015 baseline.
- At each vehicle renewal/replacement phase, Airbus is reviewing the capability and suitability of hybrid and EV light commercial vehicles for the duties required to support its operations.

Airbus Helicopters UK Ltd operates their maintenance and modification operation from two hangars at Oxford Airport where the lighting previously consisted of an inefficient high bay system. This was replaced with LED high bay lighting at the end of 2019 improving both the illumination in the hangars and significantly reducing electricity consumption. An open plan office area in the hangars was also converted to LED lighting in 2020.

The contribution made by this switch to LED in terms of overall electricity consumption at the site has been significant, during 2020 (with the effect of the pandemic causing working from home but full hangar activity) the site consumption was reduced by 51%, and in 2021 when most workers had returned the annual reduction was still 44% lower than 2019 levels.

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 standard1 and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.[2]

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.[3]

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

Signed on behalf of Airbus Helicopters UK Ltd

8 April 2022

Colin James

Managing Director
Airbus Helicopters UK Ltd

Click:

[1] https://ghgprotocol.org/corporate-standard

[2] https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting

[3] https://ghgprotocol.org/standards/scope-3-standard

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