Pioneering Sustainable Aerospace

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Our purpose

We pioneer sustainable aerospace for a safe and united world.
Our approach to sustainability

Airbus has built its approach to sustainability around valuing people, enabling prosperity and respecting the planet.
Sustainability highlights 2023
Respecting the planet

Our carbon footprint, engaging the whole value chain

~474 mt CO₂ eq
Airbus value chain footprint (Scope 3)

~10 mt CO₂ eq
Upstream (Scope 3)
Purchased goods and services

~464 mt CO₂ eq
Downstream (Scope 3)
Use of sold products with IEA SDS SAF projection

Aligning our approach to recognised standards

TCFD
Supporter of Task Force on Climate-related Financial Disclosures

CDP
A- rating in 2023 (stable year-on-year)

Airbus near term climate targets validated in 2023
Respecting the **planet**

**Scope 1 & 2 emissions targets aligned with a 1.5°C trajectory**

**Accelerating our climate ambition**

- Accelerating SAF usage in our operations
- Shifting to decarbonised electricity
- Pioneering innovative solutions for our logistics

**Near-term target aligned with science** validated by

- **2030**
- **-63%** vs 2015 with neutralisation of residual emissions

In 2023 we recorded a reduction of **42%** vs 2015
Respecting the planet

Scope 3 emissions: connecting technology efforts with sectoral approach

Near-term target aligned with science

2035

-46%
in intensity, vs 2015

Accelerating our climate ambition

Supporting long term sectoral ambition

ATAG roadmap

Net zero CO₂ emissions by

2050

R&D requiring investments

Full value chain collaboration

Cooperation and partnerships

In 2023 we recorded a reduction of 29% vs 2015
Decarbonisation strategic approach

- **Latest generation aircraft**
  Our latest generation family of aircraft offer around 25% greater efficiency compared to the previous generations.

- **Operations and infrastructures**
  Operational optimisation solutions can save up to 10% CO₂.

- **Sustainable Aviation Fuels**
  SAF can reduce emissions by 80% on average during its full lifecycle.

- **Disruptive technologies**
  Our ambition is to bring to the market a hydrogen-powered aircraft by 2035.

- **Market-based measures**
  Regulatory measures: EU ETS / CORSIA
  Voluntary measures: DACCS
Latest generation aircraft

- **Fleet replacement could yield around 25% CO$_2$ savings**

- Around 70% of global commercial aircraft fleet is not to the latest standard of Airbus product line (end 2023)

- **Continuous technology enhancements**
  - Lightweight materials
  - Wing optimisation
  - Engine efficiency
  - Electrification / hybridisation
Sustainable Aviation Fuel

- SAF can reduce CO$_2$ emissions by 80% on average across its lifecycle
- All Airbus aircraft can fly up to 50% SAF blends, targeting up to 100% SAF capability by end of decade
- Airline offtake and industrial production needed to increase SAF availability
- Coalitions and partnership signed to foster SAF production
# Partnerships for success

## Sustainable Aviation Fuel

### Airlines
- Offering support to airlines in establishing their own SAF journey
- Joint investment to accelerate the establishment of a SAF industry in Australia

### Energy providers
- Stimulating the SAF market with a growing SAF uptake in Airbus internal operations
- Exploring opportunities to promote the production and use of SAF
- Focus on technical development

### Suppliers
- 100% SAF flight test campaigns - VOLCAN & ECLIF3 projects

### Industry associations
- ICAO
- First Movers Coalition
- RLCF Alliance
- JetZero
- Aer for Sky
Partnerships for success
Disruptive technologies - Hydrogen

H₂ hubs at airport deployment

- Airlines
- Airport ecosystem
- Regulatory bodies
- Energy providers & non-aviation

Suppliers
Industrial partners
Institutional research / universities

Industry associations
Policy makers

Respecting the planet
Leading the decarbonisation of aviation

**2030**
- Reduce by 63% Scope 1 & 2 industrial emissions
  Target validated by the Science Based Targets initiative (SBTi)
- Offer up to 100% SAF capability on our commercial aircraft

**2035**
- Reduce by 46% the CO₂ emissions intensity generated by our commercial aircraft (*Scope 3 - Use of Sold Products*)
  Target validated by the Science Based Targets initiative (SBTi)
- Be the 1st major manufacturer to offer a hydrogen-powered aircraft

**2050**
- Support the aerospace industry’s decarbonisation roadmap, set by ATAG and IATA, to reach ‘net-zero carbon emissions’ by 2050