

The background of the left half of the page is a teal-colored, textured surface that resembles water or a rough material. The word "Sustainable" is written across the middle of this background. "Sustain" is in a thin white outline font, and "able" is in a bold, solid teal font.

Sustainable

together
we are
able

**We pioneer sustainable aerospace for a safe
and united world**

Airbus Sustainability Roadmap

David WADDINGTON

Environment & Sustainability Marketing

October 2023

AIRBUS

IATA – ATAG – ICAO Net zero commitment

October 2021



Airline commitment to Net Zero 2050

Target aligned with the objectives of the Paris agreement to limit global warming to 1.5°C.

October 2022



ICAO
LTAG
NET-ZERO 2050

LONG TERM GLOBAL ASPIRATIONAL GOAL FOR INTERNATIONAL AVIATION

Leading sustainable aviation

2030

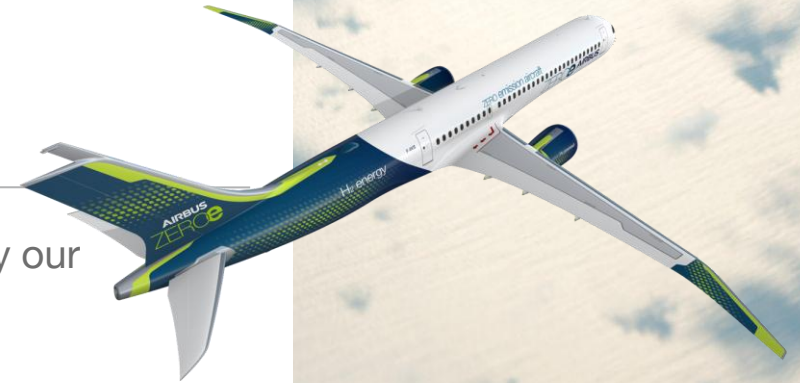
- Reduce **by 63% Scope 1 & 2** industrial emissions*
Target validated by the Science Based Targets initiative (SBTi)*
- Offer **100% SAF capability** on our commercial aircraft

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

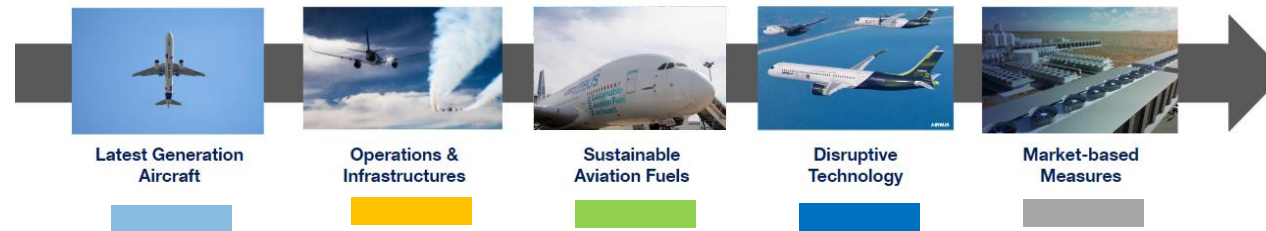
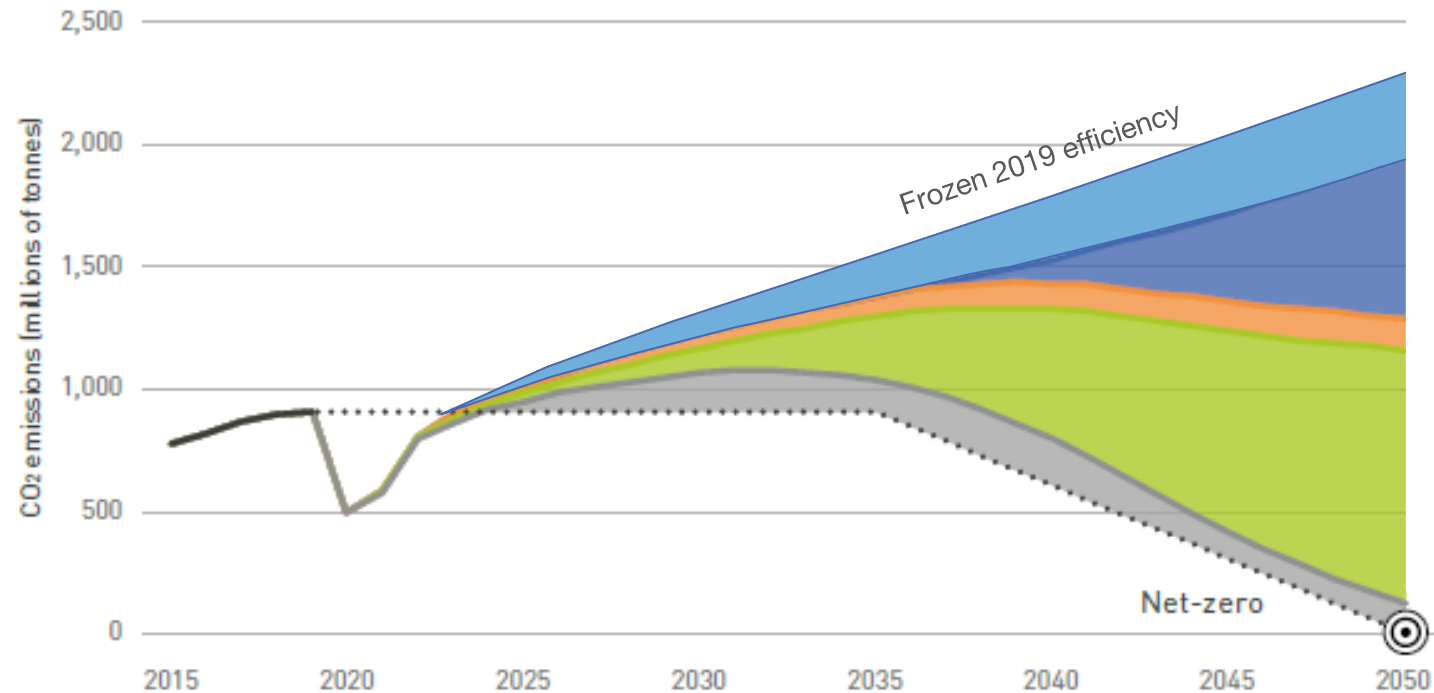
Support the aerospace industry's decarbonisation roadmap, set by ATAG and IATA, to reach 'net-zero carbon emissions'



*vs 2015 levels

There is no single solution to decarbonise aviation

Airbus supports the ATAG most ambitious technology scenario





Latest Generation Aircraft



Operations & Infrastructures



Sustainable Aviation Fuels



Disruptive Technology



Market-based Measures

Latest generation aircraft

- Up to 25% lower unit fuel and CO₂ vs. previous generation - across the entire Airbus Family
- Only 25%* of passenger in-service fleet are latest generation aircraft
- A350F will be the first latest generation freighter on the market



* Western built passenger aircraft above 100 seats – pax aircraft only - as of end 2022 // New generation: A220, A320neo Fam., A330neo, A350, 737Max, 777X, 787 Previous generation: A300, A310, DC 9, DC10, 707, 727, 737, 747, 757, 767, 777, MD11, MD80, MD90, F100, A320 Fam., A330, A340



Latest Generation Aircraft



Operations & Infrastructures



Sustainable Aviation Fuels



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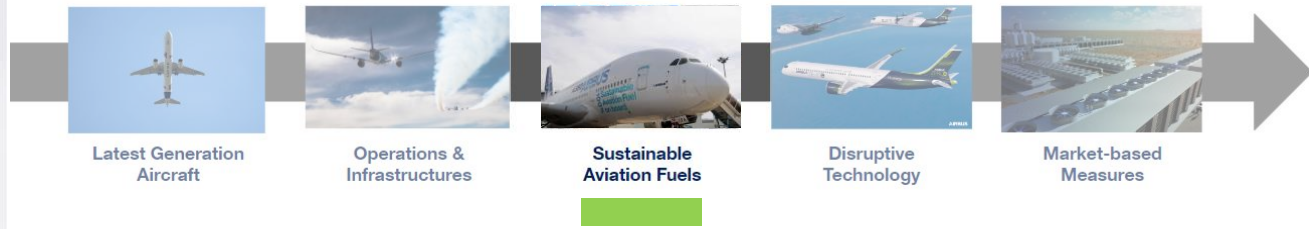


Market-based Measures



Operations & Infrastructures

- Increased efficiency of the current fleet, by up to 10%, with a range of solutions
- Upgraded aircraft systems
- Optimized flight trajectories
- Decarbonised on-ground operations
- Air Traffic Management



Sustainable Aviation Fuels

- Flying with 100% SAF reduces lifecycle CO₂ emissions by 80%
- All Airbus aircraft are already compatible with 50% SAF blends. 100% capability targeted by end of decade.
- Industrial uptake needed to increase SAF's availability
- Coalitions and partnerships signed to foster production of SAF

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Latest Generation Aircraft



Operations & Infrastructures



Sustainable Aviation Fuels



Disruptive Technology



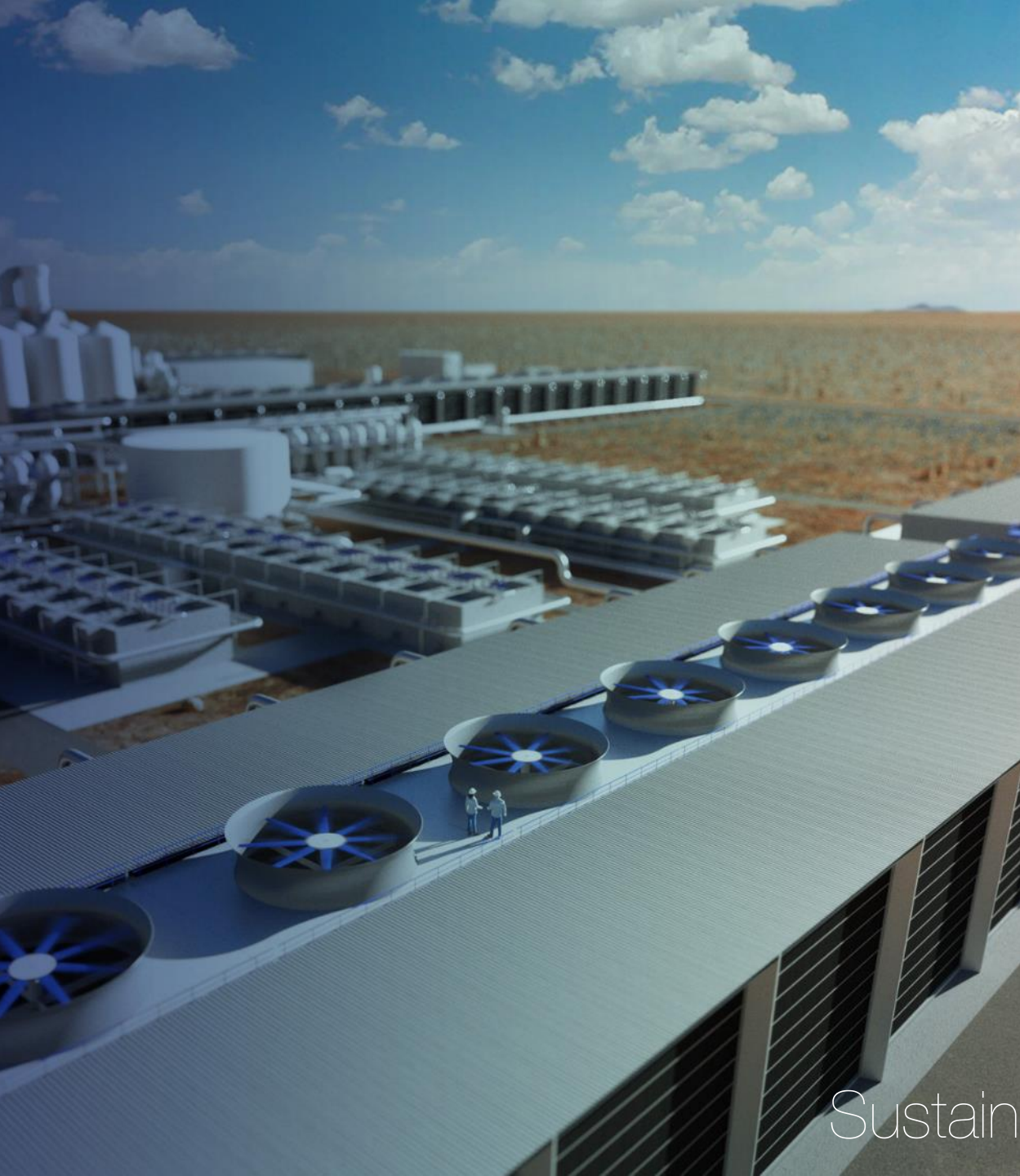
Market-based Measures

Disruptive technologies

- Development, testing and maturity-based deployment of advanced technologies
- Ambition to bring a hydrogen-powered aircraft to the market by 2035
- Hydrogen as a fuel for turbines, for electric motors via fuel cells and to produce SAF
- Developing advanced solutions for hydrogen or kerosene fuelled aircraft (aerodynamics / airframe / propulsion / hybridization)

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Latest Generation Aircraft



Operations & Infrastructures



Sustainable Aviation Fuels



Disruptive Technology



Market-based Measures



Market-based Measures

- Regulatory measures: European Union's Emissions Trading System (EU ETS) and the Carbon Offsetting and Reduction Scheme for International Aviation (CORSA).
- Voluntary measures: Airbus supports carbon removal credits from **Direct Air Carbon Capture and Storage** - and their future inclusion in regulatory frameworks.



AIR CANADA

AIRFRANCE KLM GROUP

IAG
INTERNATIONAL AIRLINES GROUP

virgin atlantic

easyJet

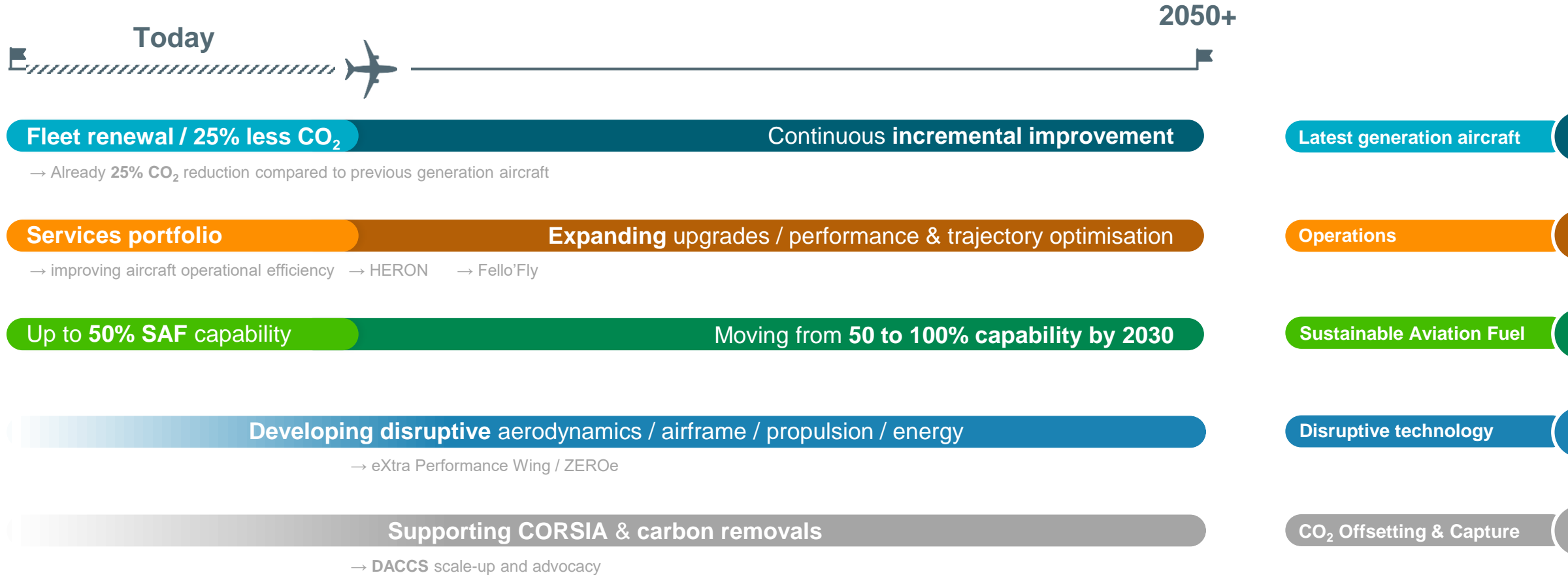
Lufthansa

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1POINTFIVE

AIRBUS

Airbus is leading aviation decarbonisation



Thank you

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