Airbus Innovation Days 2019

What’s next

Grazia VITTADINI & Jean-Brice DUMONT
Chief Technology Officer & Executive Vice President Engineering
Commitments

We have made strong environmental commitments

2050 objectives:
-75% CO$_2$
-90% NO$_x$
-65% noise
Our next aircraft will be…

- Easy to manufacture
- Sustainable
- More automated
- More connected
We are defining new ways of working

Switching from Product Performance to Industrial Performance

Opening the innovation playground for our engineers

Rate 60
Per month 2 years after Entry into Service

5 Years lead time
Start of concept / MG3 to Entry into Service

7,357 aircraft
As of 31 March 2019
Sustainable

Use of advanced materials
Recycle / Reuse
Fuel consumption is about optimisation

Sustainable

Reduce drag to improve fuel consumption

Every little bit helps
We are exploring new propulsion systems

Sustainable

E-Fan X
2 MW electrical motor
2 MW battery power
2 MW Power Generation System
A platform to learn
We are exploring new aircraft configurations

Sustainable

Nautilius

Boundary Layer Ingestion (BLI)
The future of flight hinges on AlbatrossONE

Sustainable

Albatross

Flying like a bird
Sustainable Air Traffic Management perspectives
More automated

State of the art Computer vision techniques for Taxi, Take-off and Landing use cases
More connected

Commercial aircraft connected anywhere, anytime, at the gate and in the air, over and over oceans.

Via satellite in LEO orbit and in GEO orbit and direct Air 2 Ground link to terrestrial ground network.

Enabling enhanced passenger experience and more efficient operations and maintenance.
Improving passenger experience

Airbus Connected Experience

Airspace Cabin Vision 2030
Innovation around the world

Going beyond…

22 May 2019

Airbus Innovation Days 2019
AirRace E
World first electric airplane race

Going beyond…

AIRBUS
Going beyond…

American Magic

with Terry Hutchinson, Executive Director and Skipper
Going beyond…

American Magic

with Terry Hutchinson, Executive Director and Skipper
URBAN MOBILITY
Go vertical
AIRBUS