

Airbus Innovation Days 2019

The background of the slide is a deep blue color with a complex, glowing network of white lines and dots, resembling a molecular or digital structure. On the right side, there is a semi-transparent image of an Airbus aircraft fuselage and tail section, appearing to be in a factory or assembly line setting.

What's next

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

AIRBUS



Our challenges

Industry **growth** vs **environmental** commitments



Commitments

We have made strong **environmental** commitments

2050 objectives:

-75% CO₂
-90% NO_x
-65% noise

Our next aircraft will be...

- Easy to manufacture
- Sustainable
- More automated
- More connected




Easy to manufacture

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

AIRBUS

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

Nautilus

Boundary Layer
Ingestion (BLI)

The future of flight hinges on AlbatrossONE



Sustainable

Albatross

Flying like a bird

AIRBUS



Sustainable

Air Traffic Management perspectives



More automated

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



LEO

GEO

FOMAX

4G 5G

skywise.

AIRBUS

AIRBUS

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**

AIRBUS



Going beyond...

Innovation around the world



Going
beyond...

AirRace E
World first electric
airplane race

AIRBUS



Going
beyond...

**American
Magic**

with Terry Hutchinson,
Executive Director and
Skipper

AIRBUS



Going
beyond...

American Magic

with Terry Hutchinson,
Executive Director and
Skipper

URBAN MOBILITY
Go vertical



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