Future Aircraft:
We Make it Fly, for a better and safer World

Presented by:

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Our industry will face higher expectations and more competition

- Increasing Middle Class populations
- Quickening pace of change
- Competition
- COP 21

Safe
Simple
Affordable
Eco-efficient

Connectivity
Growth
Partnerships
Regulations
Urbanization
The Future starts by significant steps in Eco-Efficiency

A350XWB

-25% Fuel Burn vs previous generation

H160

-15% Fuel Burn vs previous generation
... and is shaped by ambitions to create more value

High speed rotorcraft

Much more range in the “golden hour” timeframe = more lives saved

Comfort:
Time on board,
Vibrations,
Single transportation mean over distance

Speed & Hover

Fleet efficiency: higher radius of action, higher number of missions
A demonstrator to consolidate feasibility
High speed rotorcraft: EU Clean Sky 2 LifeRCraft Demo

Compatibility with operational requirements: cabin access, hoisting operation, cabin configuration

Noise footprint not higher than conventional helicopter

First flight: 2020

Good Cabin comfort (vibration, internal noise)

Validate certification basis based on CS29 with limited Special Conditions (no new regulation)
Accelerated innovation enables our future
Innovation & Technologies covering the whole Life Cycle

Life Cycle

- Design
- Supply Chain
- Manufacturing
- Transportation
- Aircraft Operations
- End of Life

Technologies:
- Laminar Flow
- Hybrid Electric
- UHBR
- Systems in structure
- Industrial Processes Automation
- Formation Flight
- 4D Trajectory Management

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ICAS, Daejeon, September 26th, 2015
New (Global) Regulations to accompany new solutions

Drones
Access to air space

Open Rotor
Aircraft & Engine

Hybrid Electric
Aircraft (Engine?)
LSA > …
Future Aircraft = Ideas & Ambitions + Partners & Talents

Trust is consolidated with time

A300B 1975

LAH (2020)
LCH (2022)

A joint Airbus Group / UNESCO Partnership
A global student challenge to empower the next generation of young innovators

Every other year, 300 Teams, 2000 Students, International, Multi-disciplinary
For a better and safer World…

Bringing continents sustainably closer…

Delivering culture

Emergency relief

Satellite imagery
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