ROADMAP TO CLIMATE-NEUTRAL AVIATION

CLEAN SKY 2: POWERING THE SOLUTION

- CLEAN SKY 2008-2017
  - CO₂: -26% to -20%
  - NO₂: -60% to -20%

- CLEAN SKY 2: POWERING THE SOLUTION
  - CO₂: -20% to -90%
  - NO₂: -50% to -65%

- FLIGHTPATH 2050
  - CO₂: -75%
  - NO₂: -90%

*Refers to the impact of technology developed in Clean Sky 2 compared to state-of-the-art aircraft from 2014

KEY DEMONSTRATORS

ADVANCES IN WINGS AND AERODYNAMICS
- Winglet厚度
- High Lift System
- Very Low Drag Wing
- Hybrid Aileron
- Active Control Technology
- Supersonic Wing

NEXT GENERATION COCKPIT SYSTEMS
- Crew HMI/CRJ/NGA
- Regional Air Taxi
- Bright Enhanced Cockpit Concept
- Designed Cockpit Innovations
- Sustainable Flight Operations

OPTIMAL CABIN & PASSENGER ENVIRONMENT
- Active Window
- New Comfortable Design
- New Comfortable Design

NOVEL AIRCRAFT CONFIGURATIONS
- Short-Range Aircraft
- Longer Range Aircraft
- Short-Range Aircraft
- Regional Aircraft

BREAKTHROUGHS IN PROPULSION EFFICIENCY
- High Efficiency Turboprop
- Hybrid Turbine
- Ultra High Efficiency Turbine
- Lighter, more efficient engines

INNOVATIVE STRUCTURES AND PRODUCTION SYSTEMS
- Next Generation Composite
- Advanced Composite
- Advanced Composite
- Advanced Material

AIRCRAFT NON-PROPULSIVE ENERGY & CONTROL SYSTEMS
- Regional Aircraft Control
- Distributed Control System
- Electrical Power System
- Non-Propulsive Energy Sources

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