

FEATURE - Airbus enthüllt revolutionäres 'Blended Wing'-Flugzeugdesign



Reference

DUK10128784_003

Title

FEATURE - Airbus enthüllt revolutionäres 'Blended Wing'-Flugzeugdesign

Creation date

20200212

Caption

Aircraft giant Airbus has revealed a new advanced wing design which it claims could cut carbon emissions by 20 per cent.

The aircraft manufacturer rolled out a model of the small-scale, remote-controlled aircraft demonstrator it's been using to test the design at the Singapore Air Show 2020 on Tuesday (11Feb20).

The "blended wing body" demonstrator called Maveric - which stands for Model Aircraft for Validation and Experimentation of Robust Innovative Controls - measures two meters long and 3.2 meters wide.

Testing has reportedly been underway since June 2019 but the project, which launched in 2017, was kept under wraps until this month.

The concept of a 'blended wing body' design has been around since the 1940s and led to the U.S. B-2 bomber, as well as the X-48 research project between Boeing and NASA a decade ago.

Such aircraft are complex to control but produce less aerodynamic drag, making them more efficient to fly.

Planemakers are revisiting such designs as the passenger jet industry tries to commit to more environmentally friendly aircraft.

"We believe it is high time now to push this technology further and study what it brings to us," Jean-Brice Dumont, executive vice-president of engineering at Airbus, told reporters.

"We need these disruptive technologies to meet our environmental challenge. It is the next generation of aircraft; we are studying an option."

He said it was too early to say whether such shapes could contribute to the next generation of medium-haul planes, expected in the 2030s.

The “blended wing body” configuration also opens up new possibilities for propulsion systems type and integration, as well as a versatile cabin for a totally new on-board passenger experience.

When: 12 Feb 2020

Credit: Airbus/Cover Images

****EDITORIAL USE ONLY. MATERIALS ONLY TO BE USED IN CONJUNCTION WITH EDITORIAL STORY. THE USE OF THESE MATERIALS FOR ADVERTISING, MARKETING OR ANY OTHER COMMERCIAL PURPOSE IS STRICTLY PR**

Special instructions

(c) Dukas

City

Credit

DUKAS

Source

COVER IMAGES

Author

Original references

coverimg40277411