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The Newsletter of Airbus Middle East
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Ahlan!

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It is Asfaar's 2nd anniversary! We hope that this monthly has succeeded in connecting you to our main news globally and regionally and look forward to hear your comments and suggestions on asfaar@airbus.com.

In this issue we celebrate Airbus 2050 vision for 'Smarter Skies' which looks at a future with more flights, fewer emissions and quicker passenger journey times.

Airbus is working on a number of innovative solutions today to meet the challenges of sustainable aviation in the future, whether it be the development and use of alternative fuels; investment in aircraft design; or in supporting more efficient ATM. Airbus is also one of the major actors of the NEXTGEN and SESAR programmes are being designed to reduce traffic congestion and delays, allow more direct routes, better flight profiles, and should help reduce the cost of air navigation services through advanced communications and technologies.

Fouad Attar

NEWS BITES

- A350 XWB "MSN1" flight-deck comes to life.
- Airbus Global Market Forecast projects demand for over 28,000 aircraft in the next 20 years.
- Emirates and Airbus Showcased A380 at Airex and ILA Airshows in Istanbul and Berlin.
- Deliveries this month:
  - Air Arabia A320
  - Emirates A380
  - Gulf Air A321
  - Middle East Airlines A320
  - Saudia A321

SPOTLIGHT

Airbus unveils its 2050 vision for 'Smarter Skies'

Airbus has released the latest instalment of the Future by Airbus, its vision for sustainable aviation in 2050 and beyond. For the first time the vision looks beyond aircraft design to how the aircraft is operated both on the ground and in the air in order to meet the expected growth in air travel in a sustainable way.

Charles Champion, Executive Vice President Engineering at Airbus, says: "Our engineers are continuously encouraged to think widely and come up with `disruptive' ideas which will assist our industry in meeting the 2050 targets we have signed up to. These and the other tough environmental targets will only be met by a combination of investment in smarter aircraft design and optimising the environment in which the aircraft operates. That is why our latest Future by Airbus Smarter Skies concepts focus on not just what we fly but, how we may fly in 2050 and beyond."

The Future by Airbus concentrates on just that and the Smarter Skies vision consists of five concepts which could be implemented across all the stages of an aircraft's operation to reduce waste in the system (waste in time, waste in fuel, reduction of CO2). These are:

Aircraft take-off in continuous 'eco-climb'

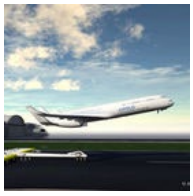
Aircraft launched through assisted take-offs using renewably powered, propelled acceleration, allowing steeper climb from airports to minimise noise and reach efficient cruise altitudes quicker.

Aircraft in free flight and formation along 'express skyways'

Highly intelligent aircraft would be able to "self-organise" and select the most efficient and environmentally friendly routes ("free flight"), making the optimum use of prevailing weather and atmospheric conditions.

Low emission ground operations

On landing aircraft engines could be switched off sooner and runways cleared faster, ground handling emissions could be cut.



Powering future aircraft and infrastructure

The use of sustainable biofuels and other potential alternative energy sources (such as electricity, hydrogen, solar etc) will be necessary to secure supply and further reduce aviation's environmental footprint in the long term. This will allow the extensive introduction of regionally sourced renewable energy close to airports, feeding both aircraft and infrastructure requirements sustainably.

For more information on Future by Airbus go to www.thefuturebyairbus.com

Did you know?

The A350 XWB will be the first Airbus to be over 50% composite

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