

AVI-NEWS

April, 2018 INDIA

A MONTHLY NEWSLETTER

Digital services platform-reap immediate benefits



Dear Friends,

At last year's Paris Air Show, Airbus unveiled Skywise, its open-data platform. The air framer also revealed several pilot programs that take real-world data and drive maintenance efficiencies. Among them was collaboration with EasyJet to help establish fault signatures on certain A320-family parts. The goals: detect failures before they happen, and reduce service interruptions.

This initiative was restricted to looking at faults on only three components-high-pressure valves, radio altimeters

and integrated drive generators. The program was successful as EasyJet cited 31 instances of Skywise correctly predicting faults before they occurred in service, allowing the carrier to intervene and remove components before they failed.

Airbus also launched another digital services platform to enable airlines to fly more efficiently by crunching data to help them with maintenance, reduce fuel burn and optimize routes. This platform is reportedly powered by Silicon Valley firm Palantir and

Airbus has been working with airlines such as Air Asia, Peach, EasyJet and Emirates to show its benefits.

While on one hand such platforms will help Airlines develop baseline reliability metrics for various components on the other it will help to optimize the airline's maintenance induction plans by creating maximum hours and cycles without deviating from the schedule.

Happy Landings.

Gp Capt Sanjiv Aggarwal

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Airtel joins 'Seamless Alliance' to bring uninterrupted in-flight connectivity to customers

Bharti Airtel announced that it has joined the 'Seamless Alliance' – which will usher in a new era of open innovation for mobile operators and airlines by empowering mobile operators to extend their services into airline cabins.

Member operators, including Airtel, will be able to continuously provide their customers - via satellite technology - the same high speed, low latency connectivity from ground, to air and back again. It will also significantly reduce costs for everyone involved while creating a smooth, positive user-experience.

**WHOEVER SAID
IGNORANCE
IS BLISS WAS
CERTAINLY NOT
A PILOT**

LATEST SIBLING OF THE GROWING BOEING FAMILY



Boeing test pilots completed a 3 hr., 10 min. first flight of the 737-7, the third and smallest member of the 737 MAX family, at Boeing Field in Seattle. Boeing is scheduled

to spend the bulk of this year completing the flight test and certification program before delivering the initial 737-7 in 2019

NAL Gets Approval For New 'Next-Gen' Trainer Aircraft

Decks have finally been cleared for the development of a 'Made in India' next generation ab initio trainer aircraft Hansa-NG, the two-seater aircraft designed and developed by National Aerospace Laboratories (NAL).

In an update, NAL stated that "CSIR accords in-

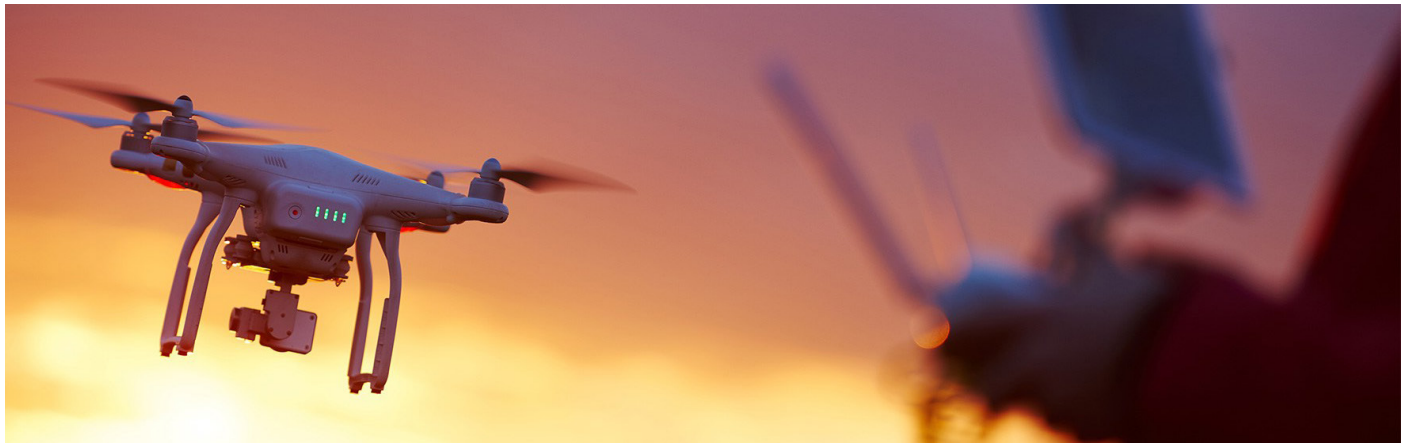
principle approval for CSIR-NAL and MESCO Aerospace collaborative project on design, development and certification of next generation trainer" which would have improved features and state-of-the-art display systems.



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GOVERNMENT YET TO FINALISE REGULATIONS FOR DRONE OPERATIONS

Drones are taking off in a big way. Once the preserve of the military, unmanned aerial vehicles (UAVs) are now used in a wide range of industries, from aerial surveillance of crops to search and rescue operations to delivery of medical supplies to remote areas.

UAV's are here to stay and are the future. No one can stop their growth as their applications are increasing with introduction of newer technologies. Many beneficial civilian applications of the UAS are being proposed, from goods delivery and infrastructure surveillance, to search and rescue, and agricultural monitoring. Currently, there is no established infrastructure to enable and safely manage the widespread use of low-altitude airspace and UAS operations, regardless of the type of UAS. A UAS traffic management (UTM) system

for low-altitude airspace may be needed, perhaps leveraging concepts from the system of roads, lanes, stop signs, rules and lights that govern vehicles on the ground today, whether the vehicles are driven by humans or are automated.

NASA is working on concepts for two types of possible UTM systems. The first type would be a Portable UTM system, which would move from between geographical areas and support operations such as precision agriculture and disaster relief. The second type of system would be a Persistent UTM system, which would support low-altitude operations and provide continuous coverage for a geographical area. Either system would require persistent communication, navigation, and surveillance (CNS) coverage to track, ensure, and monitor conformance.

In India despite the near-blanket ban on drones, there

has been a worryingly high number of sightings of UAVs, which highlights the need for effective regulations to be enforced at the earliest. It cannot be emphasised enough that there is a need for a more nuanced regulatory framework with appropriate recommendations, including tackling issues such as liability in case of mid-air collisions. India must lay out a policy framework that would address the regulatory, legal, operational, licensing and liability issues around the use of the drone. Earlier it is done, the better for the country, as it would on one hand avert any possible disaster and on the other further the business both by way of production and development of hard and software needed but also immensely help the service industry where its usage is going to become a vital factor for its survival.

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JET AIRWAYS FINALISES DEAL FOR 75 BOEING 737 MAX PLANES WORTH US\$ 8.7

Jet Airways has finalised an \$8.7-billion deal to acquire 75 Boeing 737 MAX planes as the airline plans to launch routes and grow its market share.. With the latest deal, Jet Airways will have 150 737 MAX planes on order.

Jet Airways has a fleet of 120 planes, which include a mix of narrow-body Boeing 737s, turbo-prop ATRs and wide-body Airbus A330s and

Boeing 777s. The airline has 83 Boeing 737s, which it uses on domestic and short-haul overseas routes.

Over the last few years, the airline's capacity induction had been modest in comparison to its peers, resulting in a decline in its market share. New orders will enable Jet Airways to strengthen its position.

Apps here; Chopper rides soon

Chopper ride between Electronics City and Kempegowda International Airport is expected to start shortly.Booking tickets for a ride has just got easier with the introduction of HeliTaxii App for customers to pre-book their seats.

Thumby Aviation Private Ltd, which will operate the shuttle services claimed that the commute time between the Electronics City and Kempegowda International Airport, would be reduced to a mere 15 minutes. By road, it takes about three-plus hours to travel to the airport in Devanahalli.

PADMAN EFFECT

AAI has installed sanitary pad vending machines at airports across India. As if taking a cue from Akshay Kumar starrer movie PadMan, Airports Authority of India (AAI) has started initiatives to make airports more woman-friendly by installing sanitary

napkin vending machines at airports across the country. The authority has already installed the pad vending machines in 19 airports, including three in northeast India-Guwahati, Agartala, and Imphal.



AVITRUE HAS TIE UP WITH FAA AND EASA APPROVED SHOPS IN US AND EUROPE FOR COMPONENT REPAIR

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Embraer Ventures out of The Box with E2 Family



Embraer 190-E2 received its triple type certificate from Brazil's aviation authority ANAC, the U.S. FAA and the European Aviation Safety Agency on Feb. 28.

Norwegian regional carrier Wideroe will reportedly take delivery of the first aircraft on April 4 and start scheduled services later in the month.

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Boeing signs new pact with TAL to manufacture floor beams for Dreamliners

Aerospace major Boeing and Tata Group company TAL Manufacturing Solutions (TAL) signed a new contract for the manufacture of advanced composite floor beam (ACFB) for Boeing's 787-9 and 787-10 Dreamliner airplanes.

TAL recently completed deliveries against the previous contract by delivering the 13,000 floor beam successfully to 787 fuselage

suppliers. TAL has a dedicated manufacturing facility for Boeing in the MIHAN SEZ (multi-model international passenger and cargo hub airport - special economic zone) in Nagpur, India.



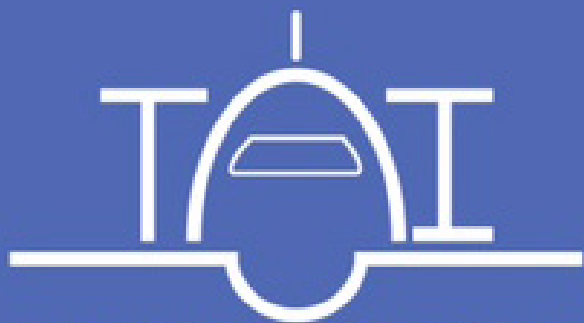
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