

Wizz Air takes delivery of its 100th A320 Family aircraft

The ATR 72-600 arrives in Japan

# AVIATION

India's premier aviation monthly magazine

Vol 04 | Issue 10 | JULY 2018 | ₹ 100

[www.aviationmagazine.in](http://www.aviationmagazine.in)

# UPDATE

# SNEAK PEEK INTO THE Farnborough International Airshow

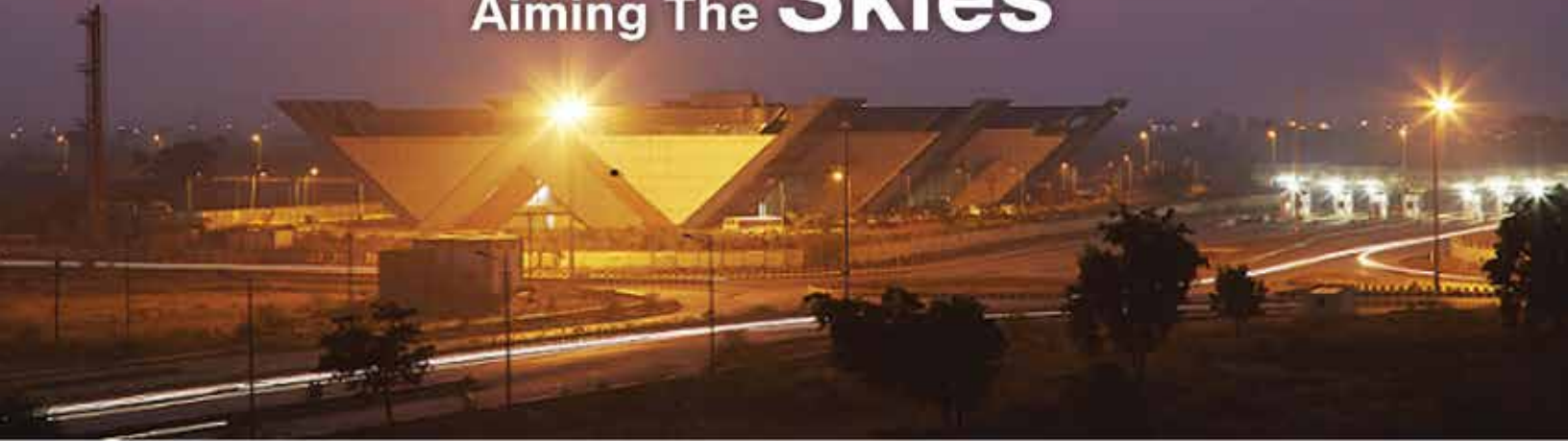


**VISTARA**  
CELEBRATES ITS 10 MILLIONTH CUSTOMER

SPICEJET TO ADD KANPUR AS ITS 7TH DESTINATION UNDER UDAN



# We **Develop** Grounds Aiming The **Skies**



**Committed to develop the Aviation Infrastructure in Maharashtra**

Maharashtra Airport Development Company Limited (MADC) was constituted in the year 2002 by Govt. of Maharashtra as a special purpose company to develop Multi-modal International Hub Airport at Nagpur (MIHAN) and Aviation Infrastructure in the State of Maharashtra to provide the regional air connectivity. MADC has been playing a lead role in the implementation of MIHAN project and nine other airport projects across the State of Maharashtra. These nine airports are, Pune (Purandar), Shirdi, Amravati, Solapur, Chandrapur, Dhule, Karad and Phaltan.

# 18 A tale of beauty and elegance

Welcome to the world's first ever resort Airport

**07** Rolls Royce to restructure, cut 4,600 jobs

**11** Philippine Airlines A350 XWB completes first flight in Toulouse

**13** Austrian Airlines appoints new CEO

**20** Sneak Peek into the Farnborough International Airshow

**24** Lockheed Martin Elects Vicki Hollub to Board of Directors

**29** Cma Cgm Launches Container-Tracking Solution



« **05** IndiGo announces Jorhat and Dhaka as new destinations



« **08** Airbus A330neo en route to function and reliability tests



« **23** Airbus-built Aeolus wind sensor satellite ready for shipment



« **27** CEVA APPOINTS NEW HEAD OF GLOBAL E-COMMERCE

# AVIATION UPDATE

India's premier aviation monthly magazine

**Vol : 04 Issue : 10 July - 2018**

Editor-in-Chief : **B. Kartikeya**

**EDITORIAL**

Associate Editor : **Gagan Deep**  
 Special Editor : **Rajesh Sahu**  
 Correspondent : **Shishir Mishra**

**CREATIVE HEAD**

**Badree**

**MARKETING**

Asst. General Manager : **Karthik**  
 (North & West)  
 Asst. Manager, Marketing : **Kirna Kumar**

**PRODUCT MARKETING**

Asst. Manager, Circulation : **Ram Kumar**  
 Executive, Marketing : **Satish Reddy**

**SUBSCRIPTION**

Asst. Manager, Subscription : **Naheda**  
**040-42215553**  
 Sr. Customer Support Officer : **Sony**

**FINANCE & ADMINISTRATION**

Sr. Manager : **Karunandhi**  
 Asst. Manager : **Md. Wajid Ali**

Editorial & Advertising Offices

**Aviation Update**  
 16-11-741/6/E/50, S.B.H COLONY, DILSUKHNAGAR,  
 HYDERABAD-500 060, India.  
 Tel: 09444499221, 040-42215553.

Subscription/ Circulation  
 Annual Subscription: 1200 INR - 12 Issues  
 E-mail: [subscribe@aviationupdatemagazine.com](mailto:subscribe@aviationupdatemagazine.com)

Letter to editor  
[editor@aviationupdatemagazine.com](mailto:editor@aviationupdatemagazine.com)

For Advertising details contact  
[advertise@aviationupdatemagazine.com](mailto:advertise@aviationupdatemagazine.com)

All information in Aviation Update information is derived from sources, which we consider reliable and a sincere effort is made to report accurate information. It is passed on to our readers without any responsibility on our part. The publisher regrets that he cannot accept liability for errors and omissions contained in this publication, however caused. Similarly, opinions/ views expressed by third parties in abstract and/or in interviews are not necessarily shared by Aviation Update. However, we wish to advise our readers that one or more recognized authorities may hold different views than those reported. Material used in this publication is intended for information purpose only. Readers are advised to seek specific advice before acting on information contained in this publication which is provided for general use and may not be appropriate for the readers' particular circumstances.

Contents of this publication are copyright.

No part of Aviation Update or any part of the contents thereof may be reproduced, stored in retrieval system or transmitted in any form without the permission of the publication in writing. The same rule applies when there is a copyright or the article is taken from another publication. An exemption is hereby granted for the extracts used for the purpose of fair review, provided two copies of the same publication are sent to us for our records. Publications reproducing material either in part or in whole, without permission could face legal action. The publisher assumes no responsibility for returning any material solicited or unsolicited nor is he responsible for material lost or damaged. This publication is not meant to be an endorsement of any specific product or services offered. The publisher reserves the right to refuse, withdraw, amend or otherwise deal with all advertisements without explanation. All advertisements must comply with the Indian and International Advertisements Code. The publisher will be liable for any damage or loss caused by delayed publication.

Printed at: Chennai offset printers  
 19/1 & 21/2 Kitabath Khan Bhadur Street,  
 Elliess Road, Mount Road, Chennai - 600 002  
 Aviation Update is published by - B.Kartikeya  
 No:27/11,V.O.C.Street,T.Nagar, Chennai -600 017



## Greetings and Salutations

*Dear Readers,*

Welcome to yet another exciting issue of Aviation Update. Every month, we savour the finest from the aviation world and strive to offer an insatiable buffet of what's going around in the world with machines in the skies, cargos, defence and others in perspective. This month, you have many a reasons to keep your fingers busy flipping past the pages.

Delighted at good news all around for key Indian players like Indigo planning for new destinations. This is indeed a step forward to enhance connectivity across nations which shall also deepen ties between countries and pave the way smooth for many such future arrangements. Celebi, one of the prominent names in airport ground handling services will now be controlling one of the busiest airports of India which is indeed big news this quarter. On the other front, we discuss some of the most sought after career choices in aviation industry.

Don't forget to checkout our very special focus on the first ever resort airport of the world- a landmark moment in architecture and functional beauty. This month we have a sneak peek preview into the Farnborough International Airshow, a breeding ground for pro and novice exhibitors alike, one-of-a-kind. We shall keep you posted on our exclusive coverage of the show and post stories to catch up with. Plus, there's a load of regular dose of news and updates, deals scored, contracts signed, the usual movers and shakers and much more.

Our readers are our greatest strength and I always look forward to hear from them. It is only my constant endeavours to drive forward the very essence and spirit on which this magazine took shape, which I owe all to my readers and other well wishers. Feel free to throw in your comments, suggestions, criticisms, ideas and I would love to go through them and share my views too. Till we meet again. Ciao!

*Thanks*

**B. Kartikeya**  
 Editor

## ■ GOAIR APPOINTS CORNELIS VRIESWIJK AS THE NEW CHIEF EXECUTIVE OFFICER



GoAir announced the appointment of Cornelis Vrieswijk (Cor) as the new Chief Executive Officer effective June 4, 2018. He will be reporting to the Chairman, Managing Director and the Board of Directors of GoAir.

Cor is a seasoned global executive and a consultant with over 25 years of experience in aviation and travel industry. He has rich experience in driving ventures, transitions, turnarounds and large-scale projects for diverse and multifaceted organizations with emphasis in aviation/travel and aircraft maintenance industry on a European Stage. His has significant expertise in international business development, operational streamlining, aircraft engineering & maintenance and process automation. In the past, he has contributed to the high growth of major aviation brands like Thomas Cook Group, EasyJet Airline Company and Transavia Airlines through in various roles.

At EasyJet, he led significant operational performance improvement during a period of high growth, as well as crafting innovative solutions to business mergers and MRO in and outsourcing opportunities. Prior to joining us he was board advisor, One Tour Operator Transformation with the Thomas Cook Group PLC, UK.

Commenting on the occasion, Jeh Wadia, Managing Director, GoAir said, "On behalf of the board members, I welcome the appointment of Cornelis Vrieswijk as CEO

of GoAir. Cor will work with the Board and leadership team to expand and implement a range of strategic initiatives to lead the airline into its next phase of growth. I am confident that Cor will help scale GoAir further and establish it as a most profitable low cost carrier in the highly competitive Indian market."

Commenting on his appointment Cor Vrieswijk said, "I believe GoAir has tremendous potential in the aviation market today. I am truly honoured and overwhelmed to join this dynamic airline and see myself closely working with the entire GoAir team in realising its objectives. My primary focus will be to grow the airline to a strong position and modelling the desired changes for further growth and expansion."

## ■ ÇELEBI WINS GROUND HANDLING LICENSE AT BENGALURU'S INTERNATIONAL AIRPORT

Çelebi Airport Services, a global service provider in ground handling services announced that it has been awarded the Ground Handling license by Bengaluru International Airport Limited (BIAL). The contract was won by Çelebi Airport Services on the basis of a highly competitive bidding process which saw multiple global ground handling players participate. Under the 10 year concession, slated to commence from August 2018, Çelebi Airport Services will provide state of the art ground handling services to further enhance the customer experience at BIAL.

BIAL has been at the forefront of adoption of technology to introduce airport friendly initiatives with the specific aim of enhancing customer services at the airport. With this partnership, Çelebi will introduce global standards of ground handling services to offer modern & state of the art passenger and aircraft handling at BIAL. One of the key focus areas for Çelebi would be to ensure safe, efficient, customer friendly and environment friendly provisions by

capitalizing on its global expertise. The company plans to invest USD 7-9 million in this airport.

Sharing his views on the development, Mr. Murali Ramachandran, CEO - India, Çelebi Aviation Holding Inc., said, "This partnership is an important step towards strengthening our presence and commitment in the India market and comes on the occasion of the 10th anniversary of our India operations. We are focused on expanding our footprint within the country and stand committed to catalysing the growth story of the Indian aviation sector. India is a key market, well set for a major growth path and Çelebi is well positioned to contribute, support and play a meaningful role in this change process."

## ■ INDIGO ANNOUNCES JORHAT AND DHAKA AS NEW DESTINATIONS



IndiGo, India's favorite on-time performer, is further enhancing its customer experience with the launch of Jorhat and Dhaka as its new destinations. Under the UDAN scheme, Jorhat will be the 54th destination on IndiGo's network. Furthermore, Dhaka will be the 55th destination. Both new services start on August 01, 2018

To provide more enhanced connectivity across India, IndiGo has announced the addition of 16 new flights to its network. Effective August 2018, 6E will operate its first daily flight between Bengaluru and Raipur. Additionally, the airline will operate a 2 nd daily flight between Kolkata-Nagpur, a 3rd daily flight between Bengaluru and Nagpur, and 4 th daily flight between Bengaluru and Jaipur, and Bengaluru and Vizag respectively. 6E will also operate its 4th daily flight between Kolkata and Patna

Mr. Sanjay Kumar, Chief Commercial

Officer, IndiGo said, "It gives us immense pleasure to add Dhaka, Bangladesh to the ever expanding 6E network, and we are equally pleased to announce Jorhat as our new UDAN destination after Tiruchirappalli and Tuticorin. With the addition of 16 new flights connecting various cities within India, we will now be able to extend our on-time, New flights include effective August 2018 - 1 st flight between Kolkata and Jorhat - 1 st flight between Kolkata and Dhaka - 1 st flight between Bangalore and Raipur - 2 nd daily flight between Kolkata and Nagpur - 3 rd flight between Bangalore and Nagpur - 4th flight between Kolkata and Patna - 4 th flight between Bangalore and Vizag - 4 th flight between Bangalore and Jaipur courteous and hassle-free service, and low fares to everyone, that IndiGo is synonymous with. IndiGo will continue to expand its network to meet the requirements of both business and leisure travelers wherever they demand it."

■ **BOEING DELIVERS FIRST 737 MAX TO JET AIRWAYS**



**B**oeing and Jet Airways celebrated the delivery of the airline's first 737 MAX airplane. Jet Airways will be first Indian carrier to fly the new and improved 737 airplane, which delivers a double-digit improvement in fuel efficiency and improved passenger comfort.

"The new 737 MAX is a critical element to our future growth strategy and we are proud to become the first airline in India to introduce this brand new airplane to our customers,"

said Naresh Goyal, Chairman of Jet Airways.

"The 737 has been the backbone of our dynamic fleet for many years and we are excited to leverage the superior capabilities of the new 737 MAX. The improved economics and efficiency as well as the passenger pleasing features of the MAX

will enable us to strengthen our position as India's premier airline."

This delivery marks the first of 150 737 MAX airplanes the Mumbai-based airline has on order with Boeing, following two separate orders for 75 jets placed in 2015 and earlier this year. "This milestone delivery adds yet another chapter in our long and successful relationship with Jet Airways," said Dinesh Keskar, senior vice president, Asia Pacific and India Sales, Boeing Commercial Airplanes.

"Jet Airways continues to demonstrate their leadership in a highly competitive market and I am confident that these new 737 MAX airplanes will enable the airline to successfully achieve long-term growth going forward."

Jet Airways is India's second-largest airline with a fleet of nearly 120 airplanes serving more than 60 destinations across 15 countries across Asia, Europe, North America and elsewhere.

The 737 MAX is the fastest-selling airplane in Boeing history, accumulating more than 4,500 orders from 99 customers worldwide.

■ **VISTARA CELEBRATES ITS 10 MILLIONTH CUSTOMER**



**V**istara flew its 10 millionth customer, successfully crossing yet another milestone in its journey. To mark the landmark achievement, the airline identified Ms. Shuchi Maheshwari as the special customer at Delhi's Indira Gandhi International Airport, and surprised her with flowers, a memento and a complimentary Business Class upgrade on her flight UK 983 to Mumbai. The airline also presented her a courtesy Club Vistara Gold membership tier. Mr. Vishesh Khanna, Vice President and Head of Sales at Vistara, presented the special, life-size boarding card to Ms. Maheshwari, as other staff and

customers joined in the celebration.

Vistara achieved a remarkable feat of flying over three million customers in just last six months. The airline credits this success to its growing popularity as India's finest airline among travellers across the country for the exceptionally seamless travel experience and 'intuitively thoughtful' service it provides to customers across all touchpoints.

Delighted Ms. Maheshwari exclaimed, "I didn't expect such a special flight when I came to the airport! The surprise is overwhelming and I am very happy to be part of Vistara's celebration; it is undoubtedly the airline I love the most."

Mr. Sanjiv Kapoor, Chief Strategy & Commercial Officer, Vistara, said, "We're very excited to have achieved this milestone in such a short span of time since starting our operations in 2015 and with a relatively small fleet of aircraft. It is truly humbling to see how much our customers love flying 'the new feeling' with Vistara, which keeps us focused on our commitment to pushing the envelope and making flying an experience one can always look forward to."

■ **INDIGO TOPS THE ON-TIME PERFORMANCE IN THE INDIAN SKIES YET AGAIN**



**F**ollowing the recent increase in IndiGo flight frequencies for business and leisure travelers across the 6E network, - IndiGo continues to record the highest On Time performance of 80.9% in May 2018, as per the Traffic Report released by Directorate General of Civil Aviation. On Time Performance of the scheduled domestic carriers has been computed for four metros including Bangalore, Delhi, Hyderabad and Mumbai by the regulator.

Mr Sanjay Kumar, Chief Commercial Officer, IndiGo said, "On-Time performance

is core to our business and is one of the three values that IndiGo stands for. We are indeed happy to record 80.9 per cent OTP for 6E flights operating out of country's busiest airports including Delhi, Bangalore, Hyderabad and Mumbai. We thank our over 48.53 lakh passengers who flew with IndiGo in May 2018. IndiGo will continue to provide an on-time, courteous and hassle free service, and affordable fares to our customers, as always."

IndiGo was also ranked as 4th most punctual airline globally in the mega airline category by OAG, air travel Intelligence Company. In its Annual review – Punctuality League 2018, OAG included on-time performance for the world's Top 20 busiest domestic and international routes. IndiGo was ranked 4th amongst Top 20 mega airlines and 9th amongst Top 20 Low-cost carriers (LCCs) by OTP. IndiGo was the only Indian airline to have made it in the list of top 20 mega airlines.

■ **AIR INDIA PRIVATIZATION SUSPENDED AS NO BIDDER SHOWED INTEREST**



The Indian government suspended privatization process of national carrier Air India, as no bid was made to acquire the 76% stake in the debt-ridden airline, Minister of Commerce and Civil Aviation Suresh Prabhu announced on June 19, 2018.

For Prabhu, the failure of the sale is due mainly to market factors, as "the aviation sector globally is facing lot of headwinds", like fuel costs and uncertainty over exchange rates, Times of India reports.

Another factor for the suspension is the coming general election in the second quarter of 2019. However, Prabhu reaffirmed the commitment of the government to keep Air India efficient. "If need be, we can

restart that or any other process given the appropriate market conditions". Meanwhile, Indian authorities will continue to support the company financially.

Several bidders including IndiGo were thrown off by the conditions in which the government expects to sell Air India. While the slots of the company may be attractive for acquisitions, three of its six subsidiaries are currently in debt. But the government stays determined to sell a 76% share of the whole company, forcing a buyer to a debt recovery of \$5.1 billion.

The airline is estimated to be worth \$5.84 billion and currently holds a total debt of almost \$8 billion, while employing 27,000 people. In June 2018, Air India required a short term loan of \$145 million to keep operating.

■ **AIRBUS INAUGURATES HAMBURG'S FOURTH A320 FAMILY PRODUCTION LINE**



Airbus has inaugurated the fourth Hamburg, Germany A320 Family production line. Making use of digital technologies and a more flexible industrial setup, the innovative state-of-the-art line is a key enabler for ramping up the single-aisle programme to 60 aircraft per month by mid-2019.

Frank Horch, Hamburg's Senator of Economy, Transport and Innovation and Thomas Jarzombek, Federal Government Coordinator of German Aerospace Policy, witnessed the milestone together with Guillaume Faury, President Airbus Commercial Aircraft, and 500 distinguished guests at a special ceremony in Hamburg.

"The inauguration of our latest, most modern A320 production line opens a new chapter in efficient, digital aircraft

manufacturing," said Guillaume Faury. "With these new technologies we are building our aircraft more efficiently, a key enabler for higher production rates. I would like to thank the teams who pushed this newest Airbus production standard from concept to reality."

With more than 14,000 A320ceo and A320neo Family aircraft ordered and over 8,100 delivered, the A320 is the world's most successful single-aisle aircraft family. Incorporating the latest state-of-the-art technologies including new-generation engines and Sharklets, the A320neo Family provides 15 percent fuel savings at delivery and 20 percent by 2020. To date, the A320neo Family has captured nearly a 60 percent market share with more than 6,000 orders from 100 customers.

The A320 Family aircraft are manufactured globally, at Airbus sites in Europe, China and the US. In addition to the new production line, Airbus also inaugurated a larger and modernised Hamburg A320 Family delivery centre with more customer areas, more efficient delivery processes and increased hospitality services.

■ **ROLLS ROYCE TO RESTRUCTURE, CUT 4,600 JOBS**



Rolls Royce announced on June 14, 2018, it would cut 4,600 jobs by 2020, mainly in the United Kingdom, in order to simplify its operations and save up to £400 million a year.

The company confirms the rumors reported by the Sunday Times on June 10, 2018. The downsizing will affect about 8% of the 55,000 people that Rolls Royce employ in over 50 countries. The changes will affect the most the company's main plant in Derby, England, where most of administration and intermediary management is employed. With the simplification of the structure, a lot of redundancy in management is bound to happen, hence the layoffs.

“Around a third of these roles are expected to leave by the end of 2018,” is explained in an official statement by Rolls Royce. “The programme is expected to gain further momentum through 2019, with full implementation of headcount reductions and structural changes by mid-2020”.

Rolls Royce will now be divided into three main branches instead of five: Commercial Aerospace, Defence Aerospace and Power systems. The British manufacturer is looking into selling its under-competing Commercial Marine business, while the Nuclear department will be merged with Defence.

The reorganisation of activities will cost £500 million over the next three years, including termination compensations and the creation of new structures. This follows an audit of the company by the restructuring firm Alvarez & Marsal as announced along with 2017 results back on March 7, 2018.

Rolls Royce is going through several years of financial struggles, with a record loss of £4.6 billion in 2016, before bouncing back in 2017. The company already cut several hundred jobs through the years, especially in its Marine department.

**■ THE ATR 72-600 ARRIVES IN JAPAN**



**J**apan Air Commuter Co. Ltd. (JAC) and ATR announced the conversion into an ATR 72-600 of one of the ATR 42-600s that the airline currently has on order. This conversion means the arrival of the ATR 72 in Japan. The carrier and ATR have previously signed firm contracts for the introduction of nine ATR 42-600s. JAC, a regional subsidiary of Japan Airlines (JAL), introduced its first ATR 42-600 early in 2017 and today operates four of the aircraft. The delivery of the ATR 72-600 is expected before the end of this year.

The converted ATR 72-600 will be configured with 70 seats, adding seat capacity to the overall offer of the airline. Japan has

many beautiful islands that both national and foreign tourists visit to enjoy their unique nature and countryside. The ATR aircraft, because of their size and ability to operate in small airfields and short runways, are perfectly suited for these regions. Also, as of today, over one third of the domestic routes in Japan are below 300 nm, a distance optimally suited for ATR's performance and efficiency.

Commenting on the conversion of this ATR aircraft, Hiroki Kato, President of Japan Air Commuter Co. Ltd, declared: “The ATR 42-600 has clearly represented an efficient choice in our operations and its cabin comfortability has been well received by passengers. We are very satisfied with the operational versatility and results of this aircraft. With the conversion of one of our current aircraft on order into an ATR 72-600 we will now benefit from the strong commonality of both models, while further decreasing the operating costs per seat of our fleet. We strongly believe that this aircraft, which brings flexibility and efficiency especially to trunk routes with many business and sightseeing passengers, will be very useful to serve regional communities. We also appreciate the understanding and the support we got from both national and local governments to introduce the ATR 72-600.”.

Christian Scherer, Chief Executive Officer of ATR, declared: “The introduction of the ATR 72-600 in Japan is an illustration of the suitability of the ATR aircraft family for developing and growing new commercial opportunities at the lowest costs. For over one year, JAC has benefitted from the operational versatility and cost-efficiency of the ATR 42-600. The airline will now be able to respond even better to the increasing needs of regional connectivity across the country while remaining a reference of excellence in terms of passenger experience”.

**■ VISTARA RECEIVES 21ST AIRCRAFT**



**V**istara, India's finest full service carrier, received its 21st aircraft, an Airbus A320neo powered by CFM engines. The new aircraft landed at Delhi's Indira Gandhi International Airport. With this addition to its fleet, Vistara becomes eligible to start international operations. The new aircraft will be deployed to further strengthen the airline's domestic network.

Mr. Leslie Thng, CEO, Vistara, said, “There's great excitement amongst all of us at Vistara, as we prepare ourselves for taking the next leap in our journey to fly international. The arrival of our 21st aircraft makes this phase even more special. It enables us to strengthen our network further, which gives us the opportunity to offer more choices in terms of frequencies to our ever-growing base of loyal customers.”

Vistara's A320neo aircraft comes in its unique cabin configuration of 158 seats (8 Business Class, 24 Premium Economy and 126 Economy Class) as well as other industry-first features, for which the airline calls it #NotJustAnotherNeo.

**■ AIRBUS A330NEO EN ROUTE TO FUNCTION AND RELIABILITY TESTS**



**T**he A330neo, Airbus' newest widebody aircraft, has embarked on a worldwide tour to demonstrate its readiness for airline operations. As a final step in the aircraft certification phase, these function and reliability tests, also known as route proving, will include ETOPS (Extended-range Twin-engine Operational Performance Standards) missions, landing at diversion airports and testing airport handling services. After a fly-past over Airbus' European sites, the A330neo will head for 15 major airports worldwide over five continents, aiming at achieving 150 flight test hours in three trips.

The route proving tests are performed



with the first A330-900 production aircraft, fully equipped with an Airspace by Airbus cabin and flying in launch operator Tap Air Portugal's colours. The aircraft first flew on 15 May 2018, launching flight tests to check cabin systems such as air conditioning.

The route proving tests form part of the final trials required for aircraft Type Certification scheduled for summer 2018. Two A330-900 flight test aircraft and the TAP customer aircraft are involved in the intensive flight test programme, which will reach 1,000 flight hours during the tour of the Airbus plants.

Launched in July 2014, the A330neo Family is the new generation A330, comprising two versions: the A330-800 and A330-900 sharing 99 percent commonality. It builds on the proven economics, versatility and reliability of the A330 Family, while reducing fuel consumption by about 25 percent per seat versus previous generation competitors and increasing range by up to 1,500 nm compared to the majority of A330s in operation. The A330neo is powered by Rolls-Royce's latest-generation Trent 7000 engines and features a new wing with increased span and new A350 XWB-inspired Sharklets. The cabin provides the comfort of the new Airspace amenities.

**■ JET AIRWAYS CONNECTS NASHIK WITH DELHI UNDER THE GOVERNMENT'S RCS - UDAN**



**J**et Airways, India's full-service premier international airline, commenced a direct service linking the nation's capital New Delhi with Nashik. Guests will now be able to travel three times a week between Nashik and New Delhi, further enhancing regional connectivity from emerging cities within India.

The airline's first flight to New Delhi departed from Nashik with a full complement guests on board its modern Boeing 737-800 Next Generation (NG) aircraft deployed on this route, offering both Premiere and Economy cabin comforts, with the best in-flight product and services. Guests travelling to/from Nashik get to experience the airline's award-winning in-flight Entertainment (IFE), as also a choice of delectable meals.

The first flight from Nashik, 9W 3566, departed at 1435 hrs and will arrive in New Delhi at 1625 hrs. Earlier, Jet Airways flight 9W 3565 from New Delhi, which departed at 1200 hrs had reached Nashik at 1405 hrs. One-way Economy fares on the Nashik – Delhi route (under the RCS scheme) start at INR 2,980. The flight to New Delhi will currently be operated three times a week – Monday, Wednesday and Friday.

Ahead of the launch of its inaugural service from Nashik Airport at Ojhar, Jet Airways conducted a ceremonial lamp lighting ceremony to mark the occasion of its inaugural flight to New Delhi. This inaugural function was led by Mr Raj Sivakumar – Senior Vice President – Network Planning and Revenue Management, Jet Airways. Senior Government officials and invitees from Hindustan Aeronautics Limited (HAL) graced the occasion with their presence. This was followed by a ceremonial ribbon cutting, marking the opening of the check in counters, where the first guests to check in, were felicitated with floral presentations and handing over of their boarding passes by senior Jet Airways officials to mark the flight launch.

The new flight from Nashik will offer excellent two-way connections over Delhi to Amritsar, Dehradun, Bhopal, Kolkata, Udaipur, Jaipur, Ahmedabad, Lucknow, Indore, Dubai, Dammam, Abu Dhabi, Muscat and Doha. Furthermore, guests will enjoy one-way connections over Delhi to Chandigarh, Guwahati and Leh.

Mr. Raj Sivakumar, Sr. Vice President - Planning and Revenue Management, Jet Airways, said "The launch of maiden flight between Nashik and New Delhi under the Government of India's Regional Connectivity Scheme (RCS) – UDAN, is a proud moment for us. RCS is an initiative which will propagate the benefits of aviation sector across the vast expanse of India and its various geographies. The Indian population at large will welcome

the services we will offer in connecting regional & emerging cities and one-stop global linkages. Under the RCS scheme, the new flights will provide greater choice, convenience and connectivity to our guests, and help them access better opportunities of growth. Guests will experience best in class in-flight product and service excellence while travelling between these two destinations."

Under the RCS scheme, Jet Airways has also launched services in Uttar Pradesh connecting the holy city of Allahabad with state capitals Lucknow and Patna. The airline will launch additional RCS services connecting Allahabad with Nagpur and Indore effective tomorrow. The new RCS services will operate thrice-a-week.

**■ SPICEJET TO ADD KANPUR AS ITS 7TH DESTINATION UNDER UDAN**



**S**piceJet, the country's favourite airline announced the launch of its operations from Kanpur, its seventh destination under UDAN, effective 3rd July, 2018. SpiceJet was awarded Kanpur under the first round of UDAN.

Tickets for the RCS seats on this flight will be available at INR 2,313 (all in). With the introduction of the daily direct flight services on the Delhi-Kanpur-Delhi route, passengers from Kanpur can now conveniently travel to a host of other cities both on SpiceJet's domestic as well as international network via multiple onward connections from Delhi.

With the addition of the Delhi-Kanpur-Delhi flight, SpiceJet now operates 15 flights under the Regional Connectivity Scheme --- UDAN on the routes of --- Mumbai-Porbandar, Mumbai-Kandla- Mumbai, Hyderabad-Puducherry-Hyderabad, Jaipur-Jaisalmer-Jaipur, Delhi-Adampur-Delhi, Chennai-Hubli-Chennai and Hyderabad-Hubli-Hyderabad.

Shilpa Bhatia, Chief Sales & Revenue Officer, SpiceJet said, "SpiceJet is delighted to announce the launch of its much awaited flight services from Kanpur – a city which we firmly believe has tremendous potential for air travel. With the launch of this flight, Kanpur will be connected with multiple domestic and international destinations on our network that will immensely benefit both business and leisure travelers."

Deploying its Bombardier Q-400 aircraft, SpiceJet will be operating the flight from the T2 terminal at the Delhi airport. Starting 3rd July, SG 8745 will take off from Delhi at 12.10 pm and reach Kanpur at 1.15 pm, whereas the return flight, SG 8746, will take off at 1.35 pm and reach Delhi at 2.55 pm.

**■ WIZZ AIR TAKES DELIVERY OF ITS 100TH A320 FAMILY AIRCRAFT**



**W**izz Air (WIZZ), one of the fastest-growing airlines in Europe and the leading low-cost carrier in Central and Eastern Europe, has taken delivery of its 100th A320 Family aircraft, an A321ceo, at an event in Budapest Airport. The event was attended by Mr. Levente Magyar, Hungary's Deputy Minister of Foreign Affairs; Mr. József Váradi, WIZZ's Chief Executive Officer; Dr. Andreas Kramer, Airbus Vice President Sales Eastern Europe and Central Asia; as well as Mrs. Jessica Villardi, Pratt & Whitney Regional Vice President, Europe, Russia & CIS.

"Wizz Air started to operate its first Airbus aircraft 14 years ago. Today Wizz Air has become a true success story, and we are proud to have played a major role in this journey, providing the most efficient aircraft with the lowest operating costs combined with unbeatable comfort in the widest single aisle cabin in the skies," said Eric Schulz, Airbus Chief Commercial Officer.

The aircraft, which carries a special livery to mark the occasion, is powered by

IAE engines and configured with 230 seats. It is also equipped with "Smart Lavs," an optimised lavatory design providing more cabin length for more seats and improved seat recline for more comfort.

The aircraft will be deployed on WIZZ's extensive regional and international network covering 141 destinations across 44 countries in Europe and beyond. WIZZ will take delivery of 268 additional A320 family aircraft over the coming years.

**■ AIR CANADA AND AIR CHINA AGREE ON JOINT VENTURE**



**A**ir Canada and Air China signed a joint venture agreement on June 6, 2018. The first codeshare agreement between Chinese and Canadian airlines is believed to increase their cooperation, both on domestic routes and on flights between the two countries.

The two flag carriers, both members of the Star Alliance, will expand their existing codeshare throughout the next six months. According to the official press release, it is the first joint venture agreement ever signed between a Chinese and North American airline. The two companies expanded a code-sharing agreement on May 5, 2018.

"China is a growing market for Air Canada. Air Canada's average annual capacity growth of 12.5% over five years and the \$2 billion of aircraft assets currently committed on routes between Canada and China, China is an integral part of our global network," stated Calin Rovinescu, Air Canada's CEO.

In the last two years, Air China has launched flights directly linking Beijing with Montreal, and Air Canada has launched new non-stop flights between Montreal and Shanghai to meet growth in demand. The two carriers now operate up to a total of 52 trans-Pacific flights per week between Canada and China from Toronto, Vancouver and Montreal to and from Beijing and Shanghai.

**■ KOREAN UNIVERSITY STUDENTS SEE THE FUTURE OF AEROSPACE WITH AIRBUS**



**A**irbus participated in a get-to-know-you event organised by the Korea Aerospace University (KAU) in Seoul. Patterned after the naming structure used for introductory collegiate classes, the "Airbus 101" day provided an opportunity to introduce the company to undergraduates and brief them about global trends in the aerospace industry.

Speakers included representatives from the Airbus office in Seoul, the company's commercial aircraft and the defence and space divisions, the regional innovation team, as well as executives from the Airbus-ATR regional airliner joint venture. Airbus also supported a university competition that challenged the undergraduates to come up with ideas that could improve the aviation industry. Six teams made it to the final round, which was held on 5 June, with ideas presented to their peers.

Their concepts included a redesigned aircraft seat tray table that provides more space for passengers, seat sensors that let flight attendants know if individual passengers are prepared for take-off and landing, and foldable aircraft wings that help to save space in a hangar. The top three teams, as judged by a panel of Airbus executives, won the opportunity to visit the company's headquarters in Toulouse, France. There, they will get the opportunity to learn more about Airbus operations and visit the company's final assembly lines.

"This was an excellent opportunity to meet the future members of Korea's aviation industry, introduce them to Airbus, and discuss the latest issues in the aerospace industry," said Thomas Friedberger, President, Airbus Korea. "We also were very impressed with the presentations. It is an indication of

the KAU's high standards and the excellent quality of its undergraduates. The future is very bright for Korea's aerospace industry!"

**■ U.K PARLIAMENT CONFIRMS CONSTRUCTION OF THIRD RUNWAY AT HEATHROW**



**W**ith 415 votes for and 119 votes against, the U.K parliament has given the go-ahead for the construction of a third runway at the city's busiest airport, Heathrow. However, this is just one more step in many phases that will have to be gone through before any construction work. The vote gives the green light to the construction of a new runway at the airport, but that is all. There is still a long way to go before it will be agreed what, exactly, can be built, and what increase in flight numbers will be permitted.

There is still sufficiently strong opposition to the runway, not just from key British ministers such as Foreign Secretary, Boris Johnson, who was conspicuous through his absence from the vote, and the Mayor of London, Sadiq Khan, who immediately took to Twitter afterwards:

"I will join the legal action brought by local authorities in opposition to Heathrow expansion. The Government is pressing ahead with the wrong option, resulting in intolerable noise levels and worsening air quality." There is considerable and understandable opposition to the new runway from residents in the location, many of whose homes have now been blighted.

According to the airport's chief executive, John Holland-Kaye: "With the airport now running at 98% capacity, there is no room for growth and the UK faces losing valuable opportunities to other countries."

The airport will continue to increase passenger numbers for now, but only through carriers using larger planes for the

existing number of slots. The third runway has the potential to increase the current 480,000 takeoffs and landings each year to around 740,000 – an increase of 54 per cent.

In terms of passenger numbers, the third runway could increase capacity to 130 million, a near 70 percent rise compared to the 78 million who passed through the airport in 2017.

**■ GOVERNMENTS URGED TO ADDRESS AIRLINE BLOCKED FUNDS**



**T**he International Air Transport Association (IATA) called on governments to abide by international agreements and treaty obligations to enable airlines to repatriate revenues from ticket sales and other activities. According to IATA, the amount of airline funds blocked from repatriation totaled \$4.9 billion at the end of 2017, which was down 7% compared to year-end 2016. However, airline funds remain blocked in some 16 countries.

"The connectivity provided by aviation is vital to economic growth and development. Aviation supports jobs and trade, and helps people to lead better lives. But airlines need to have confidence that they will be able to repatriate their revenues in order to bring these benefits to markets," said Alexandre de Juniac, IATA's Director General and CEO.

"We have had some recent success. The \$600 million backlog in Nigeria has been cleared. And we have made \$120 million of progress from a peak of over \$500 million in Angola. I encourage the government of Angola to work with airlines to help to reduce this backlog further," said de Juniac.

The top five markets with blocked funds are:

- Venezuela, where airlines have been unable to repatriate \$3.78 billion
- Angola, where approximately \$386

million remains blocked

- Sudan where \$170 million is blocked
- Bangladesh, where \$95 million is blocked
- Zimbabwe, where \$76 million is blocked

"Given the deepening economic crisis in Venezuela, a resolution appears to be unlikely in the short term. But we are encouraged by the recent developments in Nigeria and Angola, and hope other states will also move quickly to address blocked funds," de Juniac said.

**■ PHILIPPINE AIRLINES A350 XWB COMPLETES FIRST FLIGHT IN TOULOUSE**



**P**hilippine Airlines' (PAL) new A350-900 has completed its first flight from the Airbus assembly line in Toulouse, France. The flight marks the start of the final phase of the production process, leading to customer acceptance and delivery in the coming weeks.

Philippine Airlines has ordered six A350-900s. The airline will use these aircraft on its premier long haul services from Manila to destinations in North America and Europe. The A350-900 will join an existing Airbus fleet at Philippine Airlines that currently includes 26 A320 Family aircraft, 15 A330s and five A340s.

The A350 XWB is an all-new family of mid-size wide-body long-haul airliners shaping the future of air travel. The A350 XWB features the latest aerodynamic design, carbon fiber fuselage and wings, plus new fuel-efficient Rolls-Royce engines. Together, these latest technologies translate into unrivalled levels of operational efficiency, with a 25 per cent reduction in fuel burn and emissions, and significantly lower maintenance costs.

■ **DELTA AIR LINES BECOMES LAUNCH OPERATOR OF ATMOSPHERE CABIN WITH NEW ORDER FOR 20 BOMBARDIER CRJ900**



**B**ombardier Commercial Aircraft announced today that Delta Air Lines, Inc. of Atlanta, Georgia (Delta Air Lines) has signed a firm purchase agreement for 20 CRJ900 aircraft – becoming the launch operator of the new ATMOSPHERE cabin for CRJ Series regional jets. Based on the list price for the CRJ900 aircraft, the firm order is valued at approximately US\$961 million.

“We are thrilled that Delta continues to select the CRJ Series as the airline looks into the future growth of its regional operations,” said Fred Cromer, president, Bombardier Commercial Aircraft. “Together with Delta, we have driven the development of regional aviation in the U.S., and we are looking forward to further enhancing regional air travel with the launch of the new ATMOSPHERE cabin with our long-standing and esteemed customer.”

The new CRJ900 aircraft with ATMOSPHERE cabin will fly under the Delta Connection brand in a comfortable two-class regional jet configuration with 70 seats.

Delta Air Lines will take delivery of the world’s first ATMOSPHERE cabin CRJ900 aircraft in late 2018. Including the order from Delta Air Lines, Bombardier has recorded firm orders for 1953 CRJ Series aircraft.

■ **CATHAY PACIFIC BECOMES SECOND OPERATOR OF THE A350-1000 WIDEBODY**



**C**athay Pacific Airways has become the second airline to operate the A350-1000, the world’s newest long-range widebody airliner. The airline took delivery of the aircraft at a special event in Toulouse, France.

The aircraft is the first of 20 A350-1000s ordered by Cathay Pacific and will join the carrier’s growing fleet of A350 XWB aircraft, which already includes 22 A350-900s. Both aircraft are complementary and provide for maximum commonality with unmatched operating efficiencies, while offering passengers the highest levels of comfort in all classes. Travellers will benefit from absolute well-being in the cabin, with more personal space, optimised cabin altitude, more fresh air, controlled temperature and humidity, integrated connectivity and the latest-generation in-flight entertainment system.

With its true long-range capability, the A350-1000 will form an important part of Cathay Pacific long-haul operations. The aircraft will be deployed on the airline’s new non-stop route from Hong Kong to Washington D.C., representing the longest flight – approximately 17 hours – performed by any airline out of Hong Kong.

Paul Loo, Cathay Pacific Chief Customer and Commercial Officer, said: “We already have one of the youngest long-haul fleets in the sky, and with the arrival of the A350-1000, our fleet is only going to get younger. The aircraft follows the successful entry of the A350-900 variant which has enabled us to expand our long-haul network at a near unprecedented rate. The A350-1000 has an incredible range, is remarkably fuel efficient and quiet, provides customers with an unsurpassed cabin environment and has extremely attractive operating economics.”

Eric Schulz, Airbus Chief Commercial Officer, said: “We are proud to deliver the A350-1000 to our long-standing customer Cathay Pacific. Bringing major advantages in fuel and cost efficiency along with unrivalled passenger comfort, the A350-1000 is the perfect platform for Cathay Pacific to increase capacity on some of its longest routes. The

combination of the world’s newest widebody and Cathay Pacific’s world famous in-flight service will ensure that the airline can strengthen its position even further as one of the world’s leading international carriers.”

■ **BOEING, SAFRAN AGREE TO DESIGN, BUILD AND SERVICE AUXILIARY POWER UNITS**

**B**oeing and Safran have agreed to jointly design, build and service Auxiliary Power Units (APUs), creating better value for customers and for both companies. An APU is an onboard engine that is used to primarily start the main engines and power aircraft systems on the ground and, if necessary, in flight.

The agreement will establish an important relationship between two of the world’s leading aerospace companies to work together on products and expanded service capabilities to benefit both customers and the industry at large. Both companies will have a 50 percent stake in the partnership, which will be based in the United States. The completion of the transaction is subject to customary conditions including regulatory and antitrust clearance. The deal is expected to close in the second-half of 2018.

“This strategic partnership will leverage Boeing’s deep customer and airplane knowledge along with Safran’s experience in designing and producing complex propulsion assemblies to deliver expanded, innovative services solutions to our customers,” said Stan Deal, President and CEO, Boeing Global Services.

Safran currently supplies a wide range of components to Boeing commercial and defense programs, including as a partner to produce CFM’s LEAP-1B engine for the 737 MAX (through CFM International, a 50/50 JV between Safran Aircraft Engines and GE). Boeing and Safran also are partners in MATIS, a joint venture in Morocco producing wiring products for several airframe and engine companies.

“This will represent a new step in the

long-lasting and fruitful partnership between Safran and Boeing. We are extremely proud of the continued confidence that Boeing has placed in our company. Safran has contributed to prestigious international military and civil programs, providing reliable, high-performance APU systems since 1962. Together we are committed to delivering advanced APUs and world-class support to our customers," said Philippe Petitcolin, Chief Executive Officer of Safran. "This partnership will have no impact on our 2018 guidance nor on our plan to return Euro 2.3 billion cash to shareholders over 18 to 24 months."

"This move will strengthen Boeing's vertical capabilities as we continue to expand our services portfolio and make strategic investments that accelerate our growth plans," said Greg Smith, Boeing Chief Financial Officer and Executive Vice President of Enterprise Performance & Strategy. "The establishment of the joint venture will have no impact on Boeing's 2018 guidance or on our commitment to returning approximately 100 percent of free cash flow to shareholders."

**■ SWOOP TAKES TO THE SKIES**



**C**anadian ultra-low-cost carrier Swoop is up and flying after its inaugural flight from Hamilton to Abbotsford using one of its two 189-seat Boeing 737-800NGs.

The first flight on 20 June also coincided with the airline breaking the 100,000 milestone in terms of the number of seats sold so far. The WestJet subsidiary will operate domestic flights between Abbotsford, Edmonton, Winnipeg, Hamilton, and Halifax, and says its fares will be approximately 30-40% less than the typical national carrier. Swoop will charge ancillary fees on everything from carry-on baggage to standard seat selection.

Its president, Steven Greenway, said John C. Munro Hamilton International Airport was

where the airline chose to locate its first base because the city ticked all the boxes in terms of ULCCs, being a small uncongested and cheaper airport that was simple to operate from. Other bases will be set up in the coming years, with additional destinations into the United States and potentially Mexico expected to be announced before the end of this year.

It plans to have six aircraft in the air by the end of the year, and 10 during the course of 2019. Canada was claimed to be the only G7 country without a true ULCC until Swoop's launch, although Flair Airlines might disagree, and both Canada Jetlines and Enerjet are planning on bringing further ULCC options to the table.

**■ AUSTRIAN AIRLINES APPOINTS NEW CEO**



**A**lexis von Hoensbroech was appointed as the new CEO of Austrian Airlines on June 20, 2018, the company announced in a statement. Von Hoensbroech is taking over from Kay Kratky as of August 1, 2018.

Von Hoensbroech studied physics at the University of Bonn before obtaining a doctorate in an astrophysics-related subject at the Max Planck Institute for Radio Astronomy and at the University of Bonn. Born in the Rhineland, he commenced his professional career in 1999 at the management consultancy company The Boston Consulting Group in Munich and Tokyo. In 2005, he moved to Lufthansa Passage, where he assumed responsibility for its Strategy & Subsidiaries division. In 2009, Alexis von Hoensbroech was named "Project Manager for Airline Integration Management", where he was in charge of the integration of Austrian Airlines in the Lufthansa Group, amongst other duties. In the years 2010-2014, von Hoensbroech was appointed as "Head of Commercial

Frankfurt", with responsibility for network planning and sales steering at the Lufthansa flight hub in Frankfurt. Since 2014, he has held the position of CCO and Member of the Executive Board of Lufthansa Cargo AG.

**■ HEAVY GROUND TESTING PUTS AIRBUS' BELUGAXL ON TRACK FOR FIRST FLIGHT**



**I**n preparation for its upcoming maiden flight, Airbus' first BelugaXL is now in its heavy ground test phase – which focuses on the highly modified airframe for this next-generation oversize cargo airlifter.

According to ground test project leader Mathieu Laemle, a total of 72 development and certification ground tests must be performed before the BelugaXL's high-profile first flight, which is planned for this summer. "With more than 48 tests already completed, we are on time," he added. "The big challenge was to be able to anticipate or modify the test scheduling so as not to impact final assembly."

Airbus has succeeded in keeping things on track thanks to early analysis of the requirements and excellent multidisciplinary collaboration between the design office, laboratories, tests and programme teams.

Intensive testing for the BelugaXL

Heavy ground tests started with the team weighing the no. 1 BelugaXL at "pitch zero" and then at "pitch nine," lifting the aircraft's nose by 3.5 metres to determine the empty weight centre of gravity. Next, they performed the standard loads and horizontal tailplane tests, which were followed by separate evaluations involving the dorsal fin and vertical tailplane.

The heavy ground test phase involves carrying out tests on the aircraft that would usually be conducted on a static cell. "It is unusual for us to perform tests like load

calibration using the generalised finite element method of analysis on an aircraft which will fly, as we usually use a dedicated clean aircraft without any systems inside,” explained BelugaXL aircraft configuration leader Arnaud Puyo.

With the loads calibration test campaign completed, the team then began ground vibration testing performed in conjunction with the French ONERA aerospace research centre and DLR, the German aerospace research centre. The eight-day ground vibration campaign, which began 28 May, saw the BelugaXL tested while both empty and fully loaded. The activity required one week of intensive preparation during which the aircraft was put on pneumatic suspension and special shakers were installed to make it move.

The team identified 30 different locations for the 80-kg. shakers and during tests lasting two-to-three hours, sensors inside and outside the aircraft measured the structure’s response. Vibration data from the test are used in validating and improving structural dynamic models for the aircraft.

#### Looking ahead

With the ground vibration tests now complete, subsequent steps ahead of the aircraft’s maiden flight include validating the flight test instrumentation and applying the BelugaXL’s special “smiling” livery.

Starting in mid-2019, the BelugaXL will gradually replace the existing five-member Beluga ST fleet – which is used for carrying complete sections of Airbus aircraft from different production sites around Europe to the final assembly lines in Toulouse, France and Hamburg, Germany.

## ■ AIRBUS, BOMBARDIER AND INVESTISSEMENT QUÉBEC AGREE C SERIES PARTNERSHIP CLOSING EFFECTIVE 1ST JULY 18



**H**aving received all required regulatory approvals, Airbus SE (EPA: AIR), Bombardier Inc. (TSX: BBD.B) and Investissement Québec (IQ) have agreed to close the C Series transaction effective on July 1, 2018. The transaction by which Airbus will acquire a majority stake in the C Series Aircraft Limited Partnership (CSALP) was initially announced in October 2017. The Mirabel-based partnership, which was originally established between Bombardier and IQ, will benefit from Airbus’ global reach, scale, procurement organization and expertise in selling, marketing and producing the C Series – a state-of-the-art jet aircraft family in the 100-150 seat market.

Airbus will work with its partners Bombardier and IQ to fully unlock the C Series’ potential and create significant new value for customers, suppliers, employees, shareholders and the communities in which the partnership operates. The partnership’s head office, primary assembly line and related functions will be based in Mirabel, Québec.

As previously announced, Bombardier will continue with its current funding plan of CSALP. Due to the early closing of the partnership, the terms of this plan are updated according to the following schedule: Bombardier will fund the cash shortfalls of CSALP, if required, during the second half of 2018, up to a maximum of US\$225 million; during 2019, up to a maximum of US\$350 million; and up to a maximum aggregate amount of US\$350 million over the following two years, in consideration for non-voting participating shares of CSALP with cumulative annual dividends of 2%. Any excess shortfall during such periods will be shared proportionately amongst CSALP’s Class A shareholders. Airbus will consolidate CSALP effective from July 1, 2018 onwards. Further financial information on the transaction will be provided later this year.

The C series program continues to ramp up. Having delivered 17 aircraft in 2017, it is gearing up to double its deliveries in 2018. With the C Series’ demonstrated in-service

performance and the finalization of this partnership, the parties expect increased demand to support a second C Series Final Assembly Line in Mobile, Alabama, dedicated to supplying U.S.-based customers. The C Series is positioned to capture a large percentage of the estimated 6,000 aircraft needed in this market segment over the next 20 years.

Airbus Chief Executive Officer Tom Enders said: “This partnership extends our commitment to Québec and to all of Canadian aerospace, and we are very glad to welcome so many C Series teammates into the extended Team Airbus. The strength of the entire Airbus organization will be behind the C Series. Not only will that enable this outstanding aircraft to fulfill its market potential, but we are convinced the addition of the C Series to our overall aircraft product offering brings significant value to Airbus, our customers and shareholders.”

“This marks the beginning of a very exciting new chapter for the C Series and the Canadian Aerospace industry,” said Alain Bellemare, Bombardier President and Chief Executive Officer. “The C Series is widely recognized as the most advanced and efficient aircraft in its class and this partnership will ensure its commercial success. Airbus’ unmatched global scale, strong customer relationships and operational expertise are necessary ingredients for unleashing the full value of the aircraft. Together, we will create tremendous new value and opportunities for airlines, suppliers, shareholders and employees.”

“By combining the world’s most innovative and efficient aerospace technology – designed and engineered in Québec – with Airbus’ market and expertise, we are creating a brand new dynamic in a promising segment,” noted Québec’s Deputy Premier, Minister of Economy, Science and Innovation and Minister responsible for the Digital Strategy Dominique Anglade. “Above all, we are ensuring the growth of the C Series and securing the more than 2,000 jobs attached to it in Mirabel. In addition to maintaining the C Series’ head office, engineering and R&D activities in Québec, this partnership positions Montréal as Airbus’ largest research and development centre outside Europe, representing tremendous opportunities for our entire aerospace industry.”

# 6 AWESOME CAREER CHOICES IN AVIATION

**W**hen choosing a career, every single individual is governed by their instincts, primarily. A deep and abiding interest and profound liking for a particular profession begins at an early age. With time, the liking is nurtured and gradually transforms into determination. Keeping other factors in consideration, like payout and future growth prospect, one finally gets ready to pick up the career of their choice. When we talk about aviation, adventure,

money and sound growth are such prominent factors that gain paramount concern before one can take the final call. Here's a look at some of the most sought after career in the aviation industry and what makes them desirable.

## PILOT

Undoubtedly, one of the most popular choices one makes when considering a career in aviation. All you need to do is to get a basic schooling degree, aviation industry training and a license to fly. A commendable

career for anyone holding a passion to explore the skies and desire for a job that demands wearing a uniform beside the police, the army or the navy. The job of a pilot, no matter how easy it seems, calls for supreme confidence and strong will to bear responsibility.

## AERONAUTICAL ENGINEER

Obsessed with aircraft design and beyond? Want to explore and figure out the in and outs of an airplane? Aeronautical engineering is one such career choice that can make your dreams come true. Compared to other entry level positions in the aviation industry, this particular position requires a minimum graduate degree. However, once you are in, you can expand your horizons in venturing into different avenues like research, design or development that pretty much moves in and around aircraft framework.





**AIR TRAFFIC CONTROLLER**

You must have seen in several Hollywood movies where a flight in danger seeks help from air traffic control tower? That is how important the role of an air traffic controller is. Undeniably, one of the most stressful and significant positions that one can assume in aviation line, air traffic controller is the chief monitoring mind for flights on route. Technology rules the roost in this particular role and one need to be agile and extremely flexible to be able to perform well.

**TEST PILOT**

One of the lesser known and rarely spoken about career option in aviation is that of a test pilot. As the name suggests, test pilots are the first people to test fly an aircraft after major corporations and their engineers have finished building it. In other words, test pilot is the one who is the first person to take the newly built airplane out for a spin before they can be flown commercially by regular pilots. The requirements of a test pilot is similar to that of a regular pilot meaning you will still need a license to fly even if you are not carrying passengers abroad. If you have the knack of training and re-training for a range of aircrafts, you are definitely the right man for the job.

**FLIGHT MECHANIC (A M E)**

If you love repairing machines and have a penchant towards working with tech to solve mechanical and technical issues, you are in for a feast in this career role. A career in flight mechanic demands you to get a certification

in order to be able to maintain and repair the components of an aircraft. Individuals with Airframe & Powerplant License will definitely be in more demand and also receive higher salary.

**GROUND CREW/STAFF & FLIGHT ATTENDANTS**

Careers in aviation are not only restricted to flying but also offers equal opportunity on the ground a well. Ground crew or flight attendant is a great career choice for anyone



wanting to venture into aviation industry without the need to learn any special skills. However, one still has to undergo an internal training that is there to be able to smoothly operate in your role. These days, one can expect good salary packages from many Domestic & foreign airline services, if you are good in communication with a pleasing personality.





# A tale of beauty and elegance

## Welcome to the world's first ever resort Airport

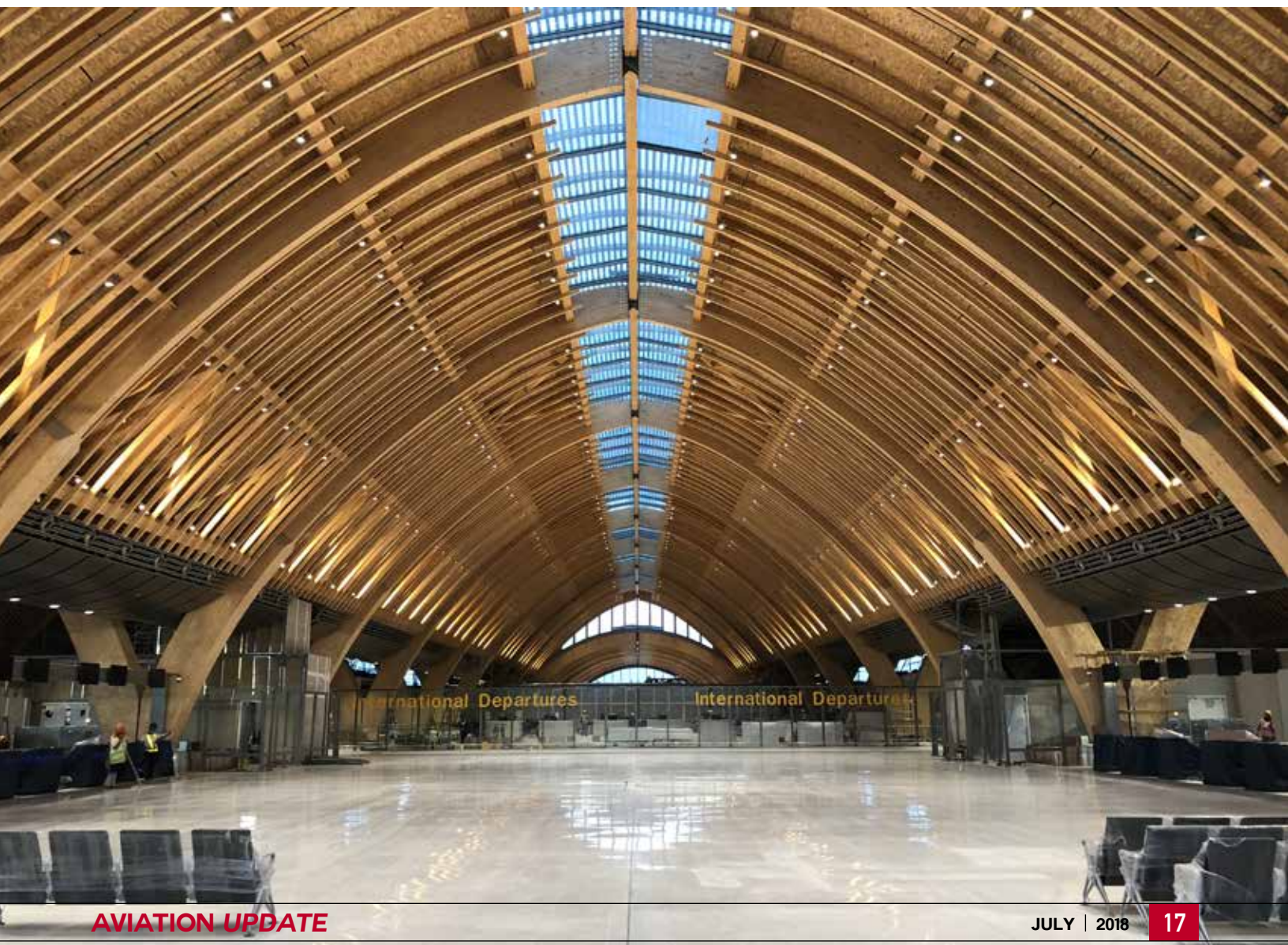
**W**ith the urge to transform airport designs into a delightful affair, GMR Megawide is bent on creating a landmark moment. Joining hands with Philipian's Megawide formed GMR – Megawide Cebu Airport Corporation

(GMCAC), the world's first Resort terminal in Mactan-Cebu Airport is already in place. Inaugurated by none other than the Philippine President Mr. Rodrigo Duterte, the opening was witnessed at the massively spread 65000 sq. m. terminal and was attended by a host of government officials along with

designers, diplomats and technical leaders from all around the globe. Speaking on the fine achievement of GMCAC, the President heartily recognised the efforts of the Department of Transportation, the Mactan-Cebu International Airport Authority and GMR Megawide Cebu Airport Corporation for breathing life into this world-class transportation facility. Addressing the media, he said, "It is the most beautiful airport in the country today,"

### **Architectural cornerstone exhibiting warmth and friendliness**

The new resort Airport takes a cue from the traditional Filipino architecture for the Terminal and has been able to complete and deliver the project within the stipulated time frame. GMR consortium began working on the project some 4 years back with a hope





to add value and boost international tourism in the region. As a matter of fact, the total number of international flights connecting to Cebu has increased from being 6 to being 22. GM-MW consortium went ahead to invest a whopping \$600 million for the completion of the project which also includes the premium upfront pay.

Cebu as a tourist destination lures eyeballs from all around the world owing to its natural beauty. This is essentially the chief idea behind coming up with a resort theme airport that will not only add value and resplendence to the entire scenario but also sync effortlessly with the beauty that's all around. The fine line architecture is symbolic as it can be seen from the wooden roof contrasting the concrete floor which has mother of pearls as additive elements giving the impression of a sandy beach. Speaking of the roof, it is clearly one of the stand out structure in the whole terminal bearing a composition of composed glulam (glue-laminated) arches which adds to the modularity and geometrical elements. The

inclusion of layered glass elevates the beauty of the wooden roof to a whole new level. Natural sunlight is abundant through the glass and seeps in subtly throughout the facility as desired to reflect on the floor wherein the shell elements sparkle to resemble walking on the sand. The pillars carry hand picked pebbles collected from the beaches of Cebu Place at the very bottom. The arches, they span every 30 meters which is a fine instance of column free structure that bespeaks modern architectural beauty. The white alpine wood has been specially imported from Austria that promises a lifespan of over 200 years. The designer minds behind this architectural masterpiece is Hong Kong-based Integrated Design Associates (IDA) teaming with local designers Budji Layug, Royal Pinda, and Cebu's Kenneth Cobonpue.

### Endless reasons to prolong your airport stay

Terminal 2 also packs in heavy in terms of retail environment starting from a 3,000 sq. m. of gross leasable area solely reserved

for convenience and leisure of passengers, featuring a 895 sq m of walk-through Duty Free shopping arena. The food and beverage service is offered by British company SSP Group, which is an established name serving some of the best finest airports around the globe like the London's Heathrow Airport, New York's John F Kennedy International Airport, and Thailand's Suvarnabhumi Airport to name a few. Inarguably, Terminal 2 is also the technologically most advanced terminal in the Country with state of the art Airports Operations & Control Center (AOCC), CCTVs with in-built analytics, and many such IT driven systems and processes as well as service like Airport Terminal Management (ATM).

The new passenger terminal is a standalone beauty with a host of local cultural elements that is unique to Cebu and exhibits the warmth and homely vibe of the region. The resort terminal also aims to decongest air traffic which is a significant move in Aviation spectrum. Bustling with the finest architectural finish and uniquely functional come of age amenities, it is a sharp contrast to the once existing shabby structure of an airport.

### Fast facts

- 48 check-in counters. Expandable to 72.
- Provision for seven passenger boarding bridges. Expandable to 12.
- 12 escalators and 15 elevators
- Car parking facility to accommodate 550 cars, expandable to 750.
- Automatic tray return system (ATRS) to return empty trays for passengers to put luggage.
- Mactan-Cebu International Airport is the 2nd Largest Gateway in the Philippines after capital's Manila Ninoy Aquino International Airport (NAIA)



# SNEAK PEEK INTO THE Farnborough International Airshow

*Come July and the ground is all set for the Farnborough International Airshow that brings forth a delectable range of companies—the finest of the aviation world. Aviation Update takes a dig at what the major exhibitors have in store this year for one and all visitors.*

## AEROSPACE GEAR

Harmonic Drive UK (Hall No 4, Stand No 4026) that happens to be a precision gear specialist is all set to advice on the goodness of the finest gearing system to all aerospace manufacturers. Looking back some forty years ago, Harmonic Drive UK made gears

for Apollo 15 travelling to space. Since then, they have been a promising name in the world of aviation and are recognized for their myriad range of precision gears adopted and embraced by companies at large. With excellent accuracy of position, a super light design and immense repeatability, the

precision gears finds its way to be used across a wide range of airplane applications like wheel steering , landing gears and wing flaps.

## MOTORS FOR THE NEXT GEN AIRCRAFT

When you talk electric motors in aerospace and automotive sphere, you simply can't miss out a name like Integral Power train (Hall No 1, Stand No 1330). This year Farnborough shall witness the company demonstration on high performance, power dense motors promising incomparable efficiency. The key aspect of Integral Powertrain is solely its design and validation coupled with motor control systems that makes it a key choice for aviation, marine, engineering, motorsports and defence industry. As such, innovation has always been the primary focal point where the company seeks to deliver across new and emerging topologies.

## A TOOL FOR TIME MANAGEMENT

Bahco, excelling in hand tool manufacturing has always been impressive with their offerings courtesy their ergonomic tools that help save time for engineers at large. This year they will be showcasing their lockable trolleys with slide push drawers that hold every single tool that an engineer can put to use effectively. Also, be employing Bahco's Configuration software, one can select the desired trolley size and the number of





drawers along with the inlay formats. One of the most exciting features the use of color coding which easily marks a place where the tool gets removed. In other words, it helps fight foreign object damage and mitigate risk.

Bahco will also have an excellent offering for all line maintenance engineers who are on the move by introducing a range of toll boxes that are highly portable and heavy duty. These too comes with the same color coded format and similar inlay styling. Bahco's offering gains an edge against its competitors owing to its ergonomic balance wherein the tools have been specially designed to help protect from any muscular disorders that may arise. Tools with precision torque come with electronic angles for torque measure in case of wrenches, where the latter comes with adjustable heads for smooth handling. Alongside, Bahco will be displaying their electronic torque wrenches with a fixed or reversible ratchet head and another set of torque screwdrivers that are equipped with pre-set torque values with electronic torque and angle measuring adaptors. Visit Bahco at the Farnborough

show at Hall No 4, Stand No C90.

## LUCKY NUMBER SEVEN

FSL Aerospace (Hall No 1, Stand No 1532) has already announced that it's going for its seventh consecutive SC21 Bronze Award at Farnborough this year. FSL is one of the very first companies in UK to achieve this trade accreditation organized by the UK's trade body, ADS Group. FSL specializes in supply of fasteners and fixings and has got a 99.3% right-first-time performance and 96.5% on-time and in-full delivery accuracy rate. Carly Prickett, the managing director of FSL told media how Farnborough is the most significant event in their yearly calendar. With more than half of the staff present across the key findings of purchasing and quality selling, FSL already has scheduled more than forty such meetings with potential suppliers and customers alike for Farnborough. Speaking on the occasion of their receiving the prestigious trade accreditation, the managing director said, "We are really looking forward to Farnborough and finding out if we have secured our seventh consecutive SC21 Award. It will be great to

share this with some of our most important clients and suppliers, and we're planning to see them there."

## SOME ITALIAN FLAVOR

Specializing in designing as well as manufacturing of horizontal machine centers along with flexible manufacturing systems, MCM is another such exhibitor at Farnborough to lookout for. The company has its inception in 1978 and has been a consistent and promising name in the aerodynamics space. MCE; the IT arm of MCM has been developing their own supervising software to support a wide range of manufacturing process, thus allowing central coordination and all around effective management. Three main product families are available: the Clock family; Tank/Tank G family; and the Jet Five family. Thanks to the complete range of machines and machining-auxiliary technologies, MCM, can cover the machining of a wide range of materials and workpiece sizes. MCM machines are designed following the latest Industry 4.0 principles and are largely employed for aerospace parts manufacturing and wherever important

machining challenges occur; i.e. hard to cut materials, high precision requirements, high production flexibility, advanced combination of milling and turning operations. Alongside, it also has considerable expertise delivering a wide range of turnkey application models solutions and customized applications for machines. The machining centers at MCM are also known to offer tremendous excellence offering speed, power, precision as well as reliability.

## WORKING WITH THE WIRES

Alloy Wire International (AWI) (Hall No 1, Stand No 1330) will be at Farnborough this year with their largest range of high temperature nickel alloys. Alloy Wire is a delight to watch this year as the market depicts steady demand for Nimonic, Inconel, Waspaloy, Rene 41, Phynox (UNS R30003) and titanium reaching newer heights. Reportedly, the company will be on the lookout to showcase their products targeting manufacturers at large who eye for high quality and immediate delivery option. "Certainty in an Uncertain World" which is the new campaign of AWI shall highlight the ability of the firm to deliver make to order in a time span of just three weeks.

Also, boasting its largest ever stock size which currently exceeds 200 tonnes comprising of 60 different alloys. Speaking on the new campaign to the media the sales director of AWI Angus Hogarth, explained how AWI seeks to explore new opportunity in emerging s a market leader, "The aerospace sector represents a huge opportunity for us,

with spring manufacturers using our wire to produce compression springs, tensions springs, torsion springs and formed parts for use in critically demanding environments like aircraft engines – where other wire just does not perform under such conditions. We also offer shaped wire from square to complicated trapezoidal, precision Inconel flat wire for high temperature sealing, aircraft grade locking wire (DTD 189A) for nuts and bolts and straight bars for CNC turned aerospace parts. We can produce any wire size between 21mm to 0.025mm to close tolerances. There has also been a lot of demand for wire that is certified to an increasing number of aerospace specifications or produced to the customer's own special material properties."

## FUTURES DAY

Futures Day has been designed to inspire and encourage young people aged 11 – 21 into an exciting career in the dynamic sectors of Aerospace and Defence. Futures Day is its STEM (science, technology, engineering and maths) outreach programme, designed to inspire the next generation to enter a career in aviation. With talks and educational activities, it is an ideal opportunity for exhibitors to engage with the future aerospace generation.

## SPACE ZONE

The Space Zone is the ultimate opportunity for the international Space Community to discuss and meet to encourage business within a forum that is now becoming

recognized as one of the world's leading Space show pieces. Airlines, Airports, cargo handling companies, logistics providers, charter brokers, trade association, security services and organizations relevant to aviation sector will be attending the Farnborough International Airshow.

## STATIC AIRCRAFT DISPLAY

Aircraft participating in the flying display can be shown to visitors prior to flying or based on the north side of the aerodrome and visited under arrangements put in place by the Organizers.

## BUSINESS AIRCRAFT PARK

The Business Aircraft Park is now an inherent part of the overall show and contributes significantly to the billions of dollars of business that is done across the trade week.

## FLYING DISPLAY

The flying display will take place during the afternoon, leaving the morning and lunch period free for business activity. It will showcase the most advanced aircraft in both commercial and military design. Our reporting team will bring forth a complete round up of Farnborough International Airshow, with post show updates, interviews, up close and personal and all latest news. Don't forget to pick up our next issue for our exclusive media coverage.



## Hon'ble Defence Minister inaugurates **BEL** Representative Office in **VIETNAM**

The Hon'ble Defence Minister, Smt Nirmala Sitharaman, inaugurated the first Representative Office of Navratna Defence PSU Bharat Electronics Limited (BEL) in Vietnam.

Smt Nirmala Sitharaman handed over the symbolic key of the Representative Office of BEL at Vietnam (VIRO) to Mr Gowtama M V, Chairman & Managing Director, BEL, during the Vietnam-India Defence Industry Business Meeting held at Hotel Melia, Hanoi, today, in the presence of His Excellency Mr P Harish, Ambassador of India to the Socialist Republic of

Vietnam, Dr Ajay Kumar, Secretary (Defence Production), and other senior officials of India and Vietnam Defence forces. VIRO is located in close proximity to the Embassy of India, Vietnam, on the 10th Floor of TNR Tower, Hanoi.

BEL, India's leading Defence electronics company, is fast expanding its global presence, putting its best foot forward to give a thrust to exports worldwide, especially South East Asian countries such as the Republic of Union of Myanmar, Indonesia, Malaysia, Thailand and Philippines. Spotting a niche market in Vietnam, BEL has now set up its first Representative Office at Vietnam for addressing export business opportunities and to provide unstinted product support and services to users in the region. The Representative Office will aim to promote BEL's exports in areas such as Weapon Systems, Radar Systems, Naval Systems, Military Communication Systems, Electronic Warfare Systems, Combat Management System and Coastal Surveillance System.

## Airbus-built **AEOLUS WIND SENSOR SATELLITE** ready for shipment

**A**eolus, the European Space Agency's wind sensing satellite, is now ready for its upcoming launch. It will be shipped across the Atlantic on the Airbus vessel "Ciudad de Cádiz" to Kourou, French Guiana, where a Vega launcher will send it to orbit on 21 August. The instrument is so sensitive that it could be damaged by a sudden loss of pressure. For this reason, air transportation has to be avoided and for the first time Airbus will transport one of its satellites on-board its own vessel.

The 1.33-tonne spacecraft, primed by Airbus, features the first ever space-borne LIDAR (Light Detection And Ranging) instrument called Aladin, which uses the Doppler effect to determine the wind speed at varying altitudes.

Aladin fires a powerful ultraviolet laser pulse down through the atmosphere and



collects backscattered light, using a large 1.5m diameter telescope, which is then analysed on-board by highly sensitive receivers to determine the Doppler shift of the signal from layers at different heights in the atmosphere.

"Aeolus is a world first with breakthrough technology that will make a huge contribution to weather forecasting on a global scale. Pioneering a LIDAR instrument in Space is quite a challenge – but a great example of what Europeans can achieve when we work together!", said Nicolas Chamussy, Head of Space Systems at Airbus.

The data from Aeolus will provide reliable wind-profile data on a global scale and is needed by meteorologists to further improve the accuracy of weather forecasts and by climatologists to better understand the global dynamics of Earth's atmosphere.

Aeolus will orbit the Earth 15 times a day with data delivery to users within 120 minutes of the oldest measurement in each orbit. The orbit repeat cycle is 7 days (every 111 orbits) and the spacecraft will fly in a 320 km orbit for three years.

# LOCKHEED MARTIN Elects Vicki Hollub to Board of Directors

Lockheed Martin announces on June 26 that its board of directors has elected Vicki Hollub to the board effective July 2, 2018. Hollub, 58, is president and chief executive officer of Occidental Petroleum Corporation and has been a member of Occidental's board of directors since 2015. She joined Occidental more than 30 years ago and has held a variety of management and technical positions. Most recently, she served as Occidental's president and chief operating officer,



overseeing the company's oil and gas, chemical and midstream operations. Prior to that, she was

the company's senior executive vice president, and president of Oxy Oil and Gas, where she was responsible for operations in the United States, the Middle East region and Latin America.

Hollub serves on the boards of the American Petroleum Institute and Khalifa University for Science and Technology in Abu Dhabi. She is the U.S. chair for the U.S.-Colombia Business Council.

"Vicki is an accomplished leader with a proven track record

of delivering results for her customers and shareholders," said Marillyn Hewson, Lockheed Martin chairman, president and CEO. "Her experience doing business in the Middle East and around the world will provide us with important insights as we continue to grow our international business. We look forward to having the benefit of her unique perspective and experience on the Lockheed Martin board."

Hollub will serve on the corporation's Management Development and Compensation Committee and Nominating and Corporate Governance Committee.

## AASSC Launches SKILL DEVELOPMENT PROGRAMS Across India in Aerospace & Aviation Sectors

The Aerospace and Aviation Sector Skill Council (AASSC) has disclosed at its Board Meeting that it has developed Qualifications Packs for 70 Job Roles spread across five subsectors through extensive industry engagement. Using these Qualifications Packs as template, skill development programs are being launched across India. One of the biggest such program is the launch of Aviation Multi Skill Development Centre at Chandigarh where five batches have already passed-out. The Centre has plans to train around 2400 candidates over the next three years.



The strength of Board members will be enhanced to 26 member from present 21 to include MSME representation to meet the future challenges, says Mr T. Suvarna Raju, Chairman, AASSC and CMD of HAL.

To ensure availability of qualified trainers and assessors, AASSC has run programs along with Department for International Development (DFID), UK and many more such schemes are in the pipeline. Development of Transnational Standards for Aerospace Design job roles is underway with the support of DFID, UK.

The Ministry of Skill Development and Entrepreneurship (MSDE) has decided that India will be represented in the 'Aircraft Maintenance' skill in the World Skills competition scheduled to be held in August 2019 at Kazan, Russia. The AASSC has been entrusted with the responsibility of conducting the regional level selections for the trade at Bengaluru and the national level selections at Greater Noida. The candidate selected at the nationals will represent



India at World Skills competitions 2019 at Kazan, Russia. The AASSC with the support from NSDC will train the candidates from July 2018 till the world Skills competition in August 2019 and these candidates will also take part in the BRICS skills completion in South Africa.

The other highlights of the AASSC activities include training for 44 Aerospace Engine Welders for GE Aviation, skill development project under CSR initiative of GKN Aerospace, certification of Recognition of Prior Learning (RPL) for Indian Navy personnel and training for Airline Cabin Crew by Assam Skill Development Mission. There are many such programs which are being planned along with other state skill missions as well. The AASSC is exploring the possibilities of launching Aerospace & Aviation Skill Development programs through Universities and AICTE. The AASSC is working actively with industry, NSDC and the Government to roll-out NAPS in the sector.



# DAC approves Equipment Acquisition proposals for **DEFENCE FORCES** worth over **RS 5500 CRORE**

The Defence Acquisition Council (DAC), chaired by Defence Minister Nirmala Sitharaman, met on June 7, and accorded approval for the procurement of equipment for the Defence Forces valued at over Rs 5500 crore.

Pursuing the goal of indigenisation and self-reliance in the field of Defence Procurements, the DAC approved procurement of 12 High Power Radars for the Indian Air Force under 'Buy (Indian) IDDM' category. The radars will provide long range medium and

high altitude radar cover with the capability to detect and track high speed targets following parabolic trajectories.

Technologically superior, the radars will have the capability to scan 360o without mechanical rotation of Antenna and will operate on 24 x 7 basis with minimal maintenance requirement. Their procurement will enhance the overall efficacy of the Air Defence network in the country.

The DAC also accorded approval for procurement of Air

Cushion Vehicles (ACVs) for the Indian Coast Guard and Indian Army from Indian Shipyard. These vessels would offer great advantage over conventional boats/crafts with their ability to travel at very high speeds over shallow water, sand banks, mud flats and swamps which are non-navigable by boats/small crafts due to draught restrictions/uncharted depths.

These craft offer capability enhancement for the Services, and would prove useful for amphibious/ riverine operations, especially where there is a



requirement to move men and material from one island to another island, across riverine terrain, creeks etc.

## India Gifts **HAL DO-228 AIRCRAFT** to Seychelles; Aircraft to Fly on Seychelles Independence Day

The External Affairs Minister Mrs Sushma Swaraj handed over HAL Do- 228 aircraft to the President, Republic of Seychelles, Mr. Danny Faure at a ceremony in New Delhi. With this, the Maritime surveillance of the island nation received the much needed boost.

Appreciating India's support, Mr. Faure described the 'momentous occasion' as historical day and said the inclusion of HAL Do-228 aircraft would bolster the coastal surveillance of Seychelles and provide strategic depth to policing its extensive Exclusive Economic Zone (EEZ).

The aircraft has come at the right time and would be flown on the forthcoming 42nd Independence Day of Seychelles on June 29, signifying the strong relations between the two countries.

Describing the event yet another milestone in furthering bilateral defence cooperation between India and Seychelles, Mrs Swaraj said, "The handing over of HAL Do 228 to Seychelles reflects the firm commitment and continued engagement of the Government of India in further developing, consolidating and expanding the comprehensive multifaceted cooperation

between India and Seychelles". Mrs Swaraj also handed over airworthiness certificate of the aircraft to the President of Seychelles.

General (Dr) V K Singh (Retd) Union Minister of State for External Affairs, who was present on the occasion, handed over the symbolic key to the President of Seychelles.

Mr. T Suvarna Raju, CMD, HAL in his welcome address hailed the event as 'proud moment' for HAL as the aircraft has been delivered ahead of schedule and accepted by the Seychelles Air Force. "We have provided hands-on training to the pilots and technical staff from Seychelles. We are committed to extend full-fledged support to the teams involved with its maintenance and operations of the aircraft", he added.

Vice Admiral G Ashok Kumar, DCNS, Senior officials from Seychelles, MEA, MOD and HAL were present on the occasion.



# ARUP CHATTERJEE Takes over as Director Engineering, R&D at HAL

**M**r. Arup Chatterjee has taken over as Director (Engg. and R&D) of Hindustan Aeronautics Limited. Prior to his present post, he was heading the Aircraft Research and Development Centre (ARDC) as General Manager.

Born in 1962, he joined HAL in 1982. He holds B.Tech in Mechanical Engineering from Jadavpur University, M.Tech in Aircraft Production Engineering from IIT, Chennai and MBA from IGNOU. He served in HAL's Korwa, Kanpur, Koraput Divisions and Corporate Office acquiring expertise in various segments of air frame manufacturing, MRO of engines, planning of avionics required for Russian and western origin aircraft platforms.

## TATA BOEING Aerospace delivers first AH-64 Apache combat helicopter fuselage

**T**ata Boeing Aerospace Limited announced the delivery of the first AH-64 Apache combat helicopter fuselage ahead of schedule from its state-of-the-art facility in Hyderabad. The fuselage will now be transported to Boeing's AH-64 Apache manufacturing facility in Mesa, AZ, for integration into the final assembly line. This delivery comes within a year of the aerospace joint venture facility becoming operational.

The facility, which is spread over 14,000-square meters and will be employing 350 highly skilled workers at full production, was inaugurated by Smt. Nirmala Sitharaman, Honourable Minister of Defence, Government of India, in March this year. The facility will be the sole global producer of fuselages for AH-

64 Apache helicopter delivered by Boeing to its global customers including the U.S. Army. The facility will also produce secondary structures and vertical spar boxes for the multi-role combat helicopter.

"This is a major step forward in Boeing and Tata Advanced Systems' continued commitment to make advanced, high quality aerostructures in India," said Pratyush Kumar, president, Boeing India. "Our investments in technology, capability and skilling are clearly paying off as evident from the quality and speed at which this delivery milestone has been achieved. As we accelerate our efforts, we see this as a major step towards future opportunities to pursue the co-development of integrated systems in aerospace and

defence."

Sukaran Singh, Managing Director and Chief Executive Officer, Tata Advanced Systems, said, "The timely delivery of the AH-64 Apache helicopter fuselage marks a milestone in our collaborative journey with Boeing. Our partnership reflects a continued commitment to develop aerospace and defence manufacturing ecosystem in India. The delivery of the fuselage within a year of the facility being operational is a huge boost to indigenous manufacturing and also demonstrates our commitment to deliver high quality products within a short span of time."

Tata Boeing Aerospace, Boeing's first equity joint venture in India, is the result of a 2015 partnership agreement with TASL. Construction of the manufacturing facility began in 2016 and was completed on schedule a year later. In addition, Boeing and TASL have worked closely to develop a pool of highly skilled aerospace talent through skill development initiatives.



## CERBERUS TO ACQUIRE WFS

An affiliate of Cerberus Capital Management, L.P. has entered into an agreement to acquire Worldwide Flight Services from Platinum Equity.

"WFS is a market leader in aviation services and is positioned to benefit from attractive long-term industry growth," said Brett Ingersoll, head of global private equity and senior managing director of Cerberus. "Cerberus has extensive operational experience and a successful track record in aviation and we are excited to support WFS's next stage of growth."

WFS is headquartered in Paris and provides cargo-handling and ground-handling services to over 300 customers in 198 airport locations, generating over €1.2 billion (US\$1.4 billion) in total revenue.

"WFS has transformed into a leading global aviation handling player in recent years through growth and operational initiatives," said Craig Smyth, CEO of WFS. "We believe that Cerberus is the ideal partner to support our continued transformation."

Cerberus Capital Management was established in 1992 and has approximately US\$34 billion under management across complementary private equity, credit and real estate strategies. The company is headquartered in New York City and has a network of affiliate and advisory offices in the US, Europe and Asia.

"We plan to partner with Craig Smyth, and WFS's management team, and its 22,800 dedicated and hardworking employees, to enhance its growth and services," said Craig Brooks, managing director of European private equity at Cerberus. "Cerberus has a longstanding presence in Europe and WFS will be a fantastic addition to our growing portfolio."

## SAUDIA CARGO TO BUILD NEW CARGO FACILITY IN JEDDAH

Saudia Cargo is to construct a new cargo facility at its hub at King Abdulaziz International Airport in Jeddah. According to Saudia, agreements have been signed with three companies. Al-Bawani will be in charge of construction and implementation of the project, while Siemens will supply the facility with mechanical equipment and advanced cargo-handling systems, and AECOM will act as the supervisor of the new facility's engineering works.

"The 75,000-square-metre cargo-handling facility has double the area of the current one, estimated at 35,000

square metres," said Omar Hariri [right in photo], CEO of Saudia Cargo. "The first phase of the project commences June 2018 and is expected to end November 2019 while the second phase begins June 2020 and ends December 2021 as per the implementation plan."

The new facility will enhance Saudia Cargo's handling capabilities for hazardous materials, pharmaceuticals, frozen materials and other goods, and is in line with the carrier's Strategy 2020, launched recently in alignment with the Saudi Vision 2030 plan to diversify the country's economy.

"We will strive to turn the kingdom into a global logistics and economic hub," Hariri said.

Saudia Cargo inaugurated a cold storage facility for medical and pharmaceutical products at King Abdulaziz International Airport in May 2018, and is planning to open a similar facility in Riyadh.

## CEVA APPOINTS NEW HEAD OF GLOBAL E-COMMERCE

CEVA Logistics has appointed Niels Weithe to the newly created position of global head of e-commerce.

According to the logistics company, Weithe will be based in Germany and will report directly to Brett Bissell, chief operating officer of contract logistics.

Weithe has extensive knowledge of supply chain services across IT, hi-tech and consumer products, and brings creative thinking and entrepreneurial skills.

He joins CEVA from Arvato, where he was president of its consumer products division. Weithe brings more than 25 years of experience in this fast-growing market segment to his new role and will assist CEVA in expanding its B2C solutions.

"Niels' knowledge and expertise in this field will enable us to extend that all-important B2C solution on top of our existing B2B capabilities and then enable us to fully support an omnichannel ecosystem for our clients wherever they are based," said Bissell. "We warmly welcome him to our team."



## MAERSK APPOINTS NEW CFO

**A**.P. Møller - Mærsk A/S has appointed Carolina Dybeck Happe as its new chief financial officer and member of the executive board, effective no later than January 1, 2019. "I am happy to join A.P. Møller - Mærsk A/S at such exciting times," she said. "A.P. Møller - Mærsk A/S is a market leader with solid values and an ambitious strategy that's positioning the company for future growth and value creation. I am looking forward to complementing the team in shaping the future A.P. Møller - Mærsk A/S and delivering on the strategy."

Happe joins from a position as CFO of ASSA ABLOY, a provider of door-opening solutions.

"Carolina Dybeck Happe brings significant experience from a company with



a strong organic and acquisition growth record," said Soren Skou, CEO of A.P. Møller - Mærsk. "In her tenure as CFO, Carolina Dybeck Happe has created substantial shareholder value, successfully streamlined

processes and driven the digital agenda in a well-reputed, global company. She draws on a skill set that will benefit our organization and continued business transformation. I look forward to welcoming Carolina Dybeck Happe to A.P. Møller - Mærsk A/S."

Prior to her current position, Happe held various finance leadership positions at ASSA ABLOY from 2002 to 2011 and also served as chief financial officer of Trelleborg from 2011-2012. She holds an MSc in finance and administration from the University of Uppsala in Sweden.

"On behalf of the board of directors, I am pleased to welcome Carolina Dybeck Happe as CFO and new member of our executive board," said Jim Hagemann Snabe, chairman of the board of directors at A.P. Møller - Mærsk. "Carolina Dybeck Happe is a strong addition for our leadership team and her experience and qualifications will be of great value as Maersk strengthens the core performance and accelerates the business transformation."

## FEDEX ORDERS 12 767FS AND 12 777FS

**F**edEx Express has placed a new order for an additional 12 Boeing 767 Freighters and 12 777 Freighters, valued at US\$6.6 billion at list prices.

"We are taking another positive step in our fleet modernization programme as we add more efficient, lower-emission aircraft to our global fleet," said David L. Cunningham, president and CEO of FedEx Express. "The Boeing 767 and 777 Freighters have brought greater efficiency and reliability to our air operations. The 777, with its tremendous range characteristics, has allowed us to provide faster transit times around the globe. We are excited to add more of these aircraft to our fleet."

After having grown by almost 10% in 2017, global air freight demand is on track to increase by another 4-5% in 2018. The rise

in demand has been prompting cargo carriers to add capacity by either converting passenger airplanes into freighters or ordering new production cargo aircraft. Including this latest order, Boeing has sold more than 50 widebody freighters so far in 2018.

"We are honoured that FedEx has again placed its trust on the wings of the Boeing 767 and 777," said Kevin McAllister, president and chief executive officer of Boeing Commercial Airplanes. "This repeat order is a big vote of confidence in Boeing's market-leading freighter family and the long-term outlook for air freight."

The express carrier is a major operator of the 757F and the largest operator of both the 767F and the 777F. FedEx is also a customer of Boeing's Global Services business. The 767F is based on the 767-300ER and can carry approximately 52.7 tonnes of revenue cargo, while the 777F can fly 4,900 nautical miles with a payload of 102 tonnes.

Boeing announced in April 2018 that it would be increasing the production rate on the 767F programme from 2.5/month to 3/month starting in 2020, based on the strength of the air cargo market.



## AIR FRANCE KLM MARTINAIR CARGO BEGINS NEW CSAFEE RAP

Air France KLM Martinair Cargo has begun using CSafe Global's new CSafe RAP e-container. According to Air France KLM Martinair, it will now be able to offer these new temperature-controlled containers to its customers in the pharmaceutical industry.

"With its unmatched capabilities at extreme ambient temperature and its improved battery, this new RAP container will enable us to offer even



more reliable solutions on extra-long-range shipments

with best-in-class maintenance of the temperature setting," said Fabrice Panza [left in photo], AFKLM's head of product and development for pharma logistics at Air France KLM Martinair Cargo. "We are excited to partner with CSafe Global in launching this innovative product, reaffirming our commitment to offering customers the very latest technology to ensure the quality of the products and services we offer."

The CSafe RAP active ULD received approval from the Federal Aviation Administration in November 2017 and from the European Aviation Safety Agency in January 2018. It

uses heating and compressor-driven cooling technology with advanced insulation to maintain constant temperatures even at extreme ambient conditions from -30°C to +54°C.

"The industry has identified lanes where efficiencies can be achieved by utilizing RAPs versus multiple RKNs," said Sebastien Berrous [right in photo], strategic sales director and key account director for Air France KLM Martinair Cargo at CSafe Global. "The CSafe RAP offers the expanded cargo capacity (up to five Euro pallets or four US pallets) needed to accommodate larger cold-chain shipments."

## CMA CGM LAUNCHES CONTAINER-TRACKING SOLUTION

The CMA CGM Group has begun the commercial rollout of a new container-tracking solution. According to the French shipping line, the solution is called TRAXENS by CMA CGM and was developed by a French startup with the financial support of CMA CGM. It has already undergone various tests and is now available to all of CMA CGM's customers.

"CMA CGM reaffirms its Customer Centricity strategy by offering this innovative solution," said Mathieu Friedberg, senior vice president of commercial and agency network at CMA CGM. "With nearly 19 million containers carried in 2017, the generalization of smart

containers in the group's fleet will allow to collect and analyze a lot of information necessary to improve the service offered to customers and will help them optimize their supply chain."

TRAXENS by CMA CGM consists of a connected box fixed to the container and can record parameters such as the container's position, the intensity of potential shocks, outside temperature variations and the opening and closing of the doors. It will also soon be able to measure the humidity and temperature inside the container.

Through a near-real-time alert system and a user-friendly interface, customers can efficiently track their shipments and thus be more reactive at each step of the transport chain.

TRAXENS by CMA CGM is also available with a complete diagnostic service, which will include a project team following and supporting the customer in analyzing their data so that logistical difficulties can be identified and concrete solutions implemented to optimize costs and security, according to CMA CGM.



## DELTA CARGO APPOINTS NEW COMMERCIAL MD

Delta Air Lines Cargo has appointed Lindsey Jalil as its new commercial managing director, effective June 1, 2018. According to Delta, Jalil, replaces Kristin Colvile, who was recently promoted to chief executive officer and managing director of SkyTeam. Jalil will lead all of Delta Cargo's commercial activities, including alliances, distribution, marketing and communications, products, technology, reporting and revenue management.

"Lindsey's strong analytical skills will continue the commercial team's momentum by championing enhanced reporting tools and technology, as well as the introduction of new industry leading products and services," said Shawn Cole, vice president of Delta Cargo. "She joins the team at an exciting time as Delta continues to grow its foothold and network internationally, and build closer collaboration with our global partners."

Jalil joined Delta in 2005 and has been part of the operations analysis and performance team for the past eight years. She became managing director of the department in 2015 and has implemented data management systems supporting Delta's operating divisions with insights and tools to sustain operational performance. She previously held roles in revenue management and was manager of cargo revenue forecasting during the Delta and Northwest merger, according to Delta.



## DACHSER EXPANDS IN SOUTH KOREA AND INDIA

Dachser has expanded its operations in South Korea and India to accommodate business growth with bigger premises in Seoul and a new branch in Gurugram. According to the German logistics company, the new 479-square-metre office space in Seoul is located on the ninth floor of the Sangjin Building in the city centre and has sufficient space for further expansion. It is located above the Hongik University station and is easily accessible to clients, staff and other businesses.

"This move certainly represents an exciting development for Dachser Korea," said Roman Mueller, managing director of air and sea logistics at Dachser Korea.

The new office will allow for the expansion of air and sea freight, warehousing and value-added services from South Korea's capital city. "In order to build upon the solid foundation we have laid in the last three years, it is necessary for us to continue building a high-performing team positioning us for continued strong growth," said Mueller said.

Dachser Korea has grown from 35 employees in 2014 to 67 in 2017. It is also present in Busan and Incheon. Meanwhile, Dachser India has set up a new branch in Gurugram, India's largest business district located in the north of the country.

"Our continuous efforts and enthusiasm to provide intelligent logistics to all our customers has fuelled continued growth, making a move to a new facility in northern India necessary," said Huneed Gandhi, managing director of air and sea logistics at Dachser India. The city of Gurugram in the Northern Capital Region is home to more than 250 Fortune 500 companies. The area has the third-highest per capita income in India and is a satellite city of Delhi.

"Our team will be able to liaise directly with our clients' decision makers which allows for close collaboration," Gandhi added.

Gurugram is also connected to the rest of the country and to worldwide destinations via Indira Gandhi International Airport and dedicated freight corridors to the seaports. Dachser India is also present in locations including Bangalore, Chennai and Pune.



# So you think you can fly

IndiGo is looking for smart, young ladies to join its cabin crew. So if you love people, places and planes, make sure you log on to the careers page on [goindigo.in](http://goindigo.in) or go to [facebook.com/goindigo.in](https://facebook.com/goindigo.in)



Interview City	Position	Date	Time	Venue
<b>ATR</b>				
Hyderabad	Cabin Crew	05-July-18	9AM - 11AM	Hotel: Radisson, HITEC City, Gachibowli
Cochin	Cabin Crew	11-July-18	10AM - 12PM	Hotel: Flora ,Opp. International Terminal ,Nayathodu
Chennai	Cabin Crew	12-July-18	10AM - 12PM	Hotel: Park Plaza , OMR 142, Rajiv Gandhi Salai, Thoraipakkam
Kolkata	Cabin Crew	13-July-18	8AM - 10AM	Hotel: Hyatt Regency, JA-1, Sector III, Salt Lake City
Bangalore	Cabin Crew	17-July-18	9AM - 11AM	Hotel: Iris The business hotel and Spa,70, Brigade Road
Guwahati	Cabin Crew	19-July-18	9AM - 12PM	Hotel: Kiranshree portico , Paltan Bazar, G.S Road
<b>A320</b>				
Gurgaon(ISC)	Cabin Crew	07-July-18	10AM - 1PM	InterGlobe Aviation Limited ("IndiGo"),Level 2, Tower C, Global Business Park, MG Road
Gurgaon(ISC)	Cabin Crew	14-July-18	10AM - 1PM	InterGlobe Aviation Limited ("IndiGo"),Level 2, Tower C, Global Business Park, MG Road
Lucknow	Cabin Crew	18-July-18	9AM - 12PM	Hotel: The Piccadily ,Sec-B, Bara Birwa, Kanpur Road
Gurgaon(ISC)	Cabin Crew	21-July-18	10AM - 1PM	InterGlobe Aviation Limited ("IndiGo"),Level 2, Tower C, Global Business Park, MG Road
Chandigarh	Cabin Crew	24-July-18	10AM - 3PM	Hotel: Aroma Complex, Himalaya Marg, Sector 22-C
Gurgaon(ISC)	Cabin Crew	28-July-18	10AM - 1PM	InterGlobe Aviation Limited ("IndiGo"),Level 2, Tower C, Global Business Park, MG Road



### ELIGIBILITY CRITERIA

- Female Indian nationals, with Indian Passport, between 18 to 27 Years of age.
- Educational Qualification : Passed 10+2 examination, from a recognized Board or University.
- Communication : Fluency and clarity of speech in English and Hindi.
- Height : Minimum of 155 cms, with proportionate weight, as per BMI.
- Appearance : Clear skin, positive body language and well groomed. No visible scars or tattoos.

### REQUIREMENTS

- Please wear a Half-sleeve Shirt and a knee length well fitted Skirt with black Stocking.
- Candidate must carry, a passport size photograph, 10th and 12th Mark Sheets from a recognised Board or University, Photocopy of Pan Card or Passport.
- Carry a copy of your updated resume.

# GET THE HIGH-FLYING CAREER YOU ALWAYS DREAMT OF.

We are looking for energetic and enthusiastic young women to join us.

- Minimum Qualification:** HSC (10+2) pass
- Age:** Freshers 18 - 27 yrs / Experienced crew may also apply
- Marital Status:** Unmarried (Freshers) / Married or Unmarried (Experienced)
- Language:** Fluency in spoken English & Hindi
- Nationality:** Indian     **Dress Code:** Formal knee length dress

Walk in with your resumé and full length photographs.



CITY	INTERVIEW DATE	TIME (HRS)	VENUE
Gurgaon (Head Office)	02-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Delhi	02-Jul-18	10am - 02pm	Essex Farms 4, Aurobindo Marg, Near IIT Flyover, New Delhi.
Gurgaon (Head Office)	04-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Chandigarh	04-Jul-18	10am - 02pm	Hotel Aroma Complex, Himalaya Marg, Sector 22-C, Chandigarh
Gurgaon (Head Office)	06-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Mumbai	06-Jul-18	10am - 02pm	The Lalit Suri Hospitality Group, Sahar Airport Road, Andheri (East), Mumbai - 400059
Gurgaon (Head Office)	09-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Delhi	09-Jul-18	10am - 02pm	Essex Farms 4, Aurobindo Marg, Near IIT Flyover, New Delhi.
Gurgaon (Head Office)	11-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Chennai	09-Jul-18	10am - 02pm	Le Royal Meridien #1, Gst Road, St. Thomas Mount, Chennai.
Gurgaon (Head Office)	13-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Kolkata	09-Jul-18	10am - 02pm	Hotel Novotel and Residencies, CF 11, Action Area 1C, New Town, Rajarhat, Kolkata - 56
Gurgaon (Head Office)	16-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Delhi	16-Jul-18	10am - 02pm	Essex Farms 4, Aurobindo Marg, Near IIT Flyover, New Delhi.
Gurgaon (Head Office)	18-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Ahmedabad	18-Jul-18	10am - 02pm	Novotel, Iscon Cross Road, S G Highway, Ahmedabad, Gujarat - 15
Gurgaon (Head Office)	20-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Mumbai	20-Jul-18	10am - 02pm	The Lalit Suri Hospitality Group, Sahar Airport Road, Andheri (East), Mumbai - 400059
Gurgaon (Head Office)	23-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Delhi	23-Jul-18	10am - 02pm	Essex Farms 4, Aurobindo Marg, Near IIT Flyover, New Delhi.
Gurgaon (Head Office)	25-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Guwahati	25-Jul-18	10am - 02pm	Radisson Blu National Highway 37, Gotanagar Assam, Guwahati 33
Gurgaon (Head Office)	27-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.
Kolkata	27-Jul-18	10am - 02pm	Hotel Novotel and Residencies, CF 11, Action Area 1C, New Town, Rajarhat, Kolkata - 700 156
Delhi	30-Jul-18	10am - 02pm	Essex Farms 4, Aurobindo Marg, Near IIT Flyover, New Delhi.
Gurgaon (Head Office)	30-Jul-18	09am - 11am	SpiceJet Ltd. 319, Udyog Vihar, Phase -IV, Gurgaon.

You may also send your resumé and photographs for cabin crew positions to [inflight.careers@spicejet.com](mailto:inflight.careers@spicejet.com)

Note: Positions will be based across India. Experienced crew may also walk in with valid flying documents.





# WE ARE RECRUITING



A320/330  
B 777  
B737 NG  
ATR 42/72 -500/600  
Q400

\* Type Rated / Non Type Rated  
\* Captains / First Officers

Apply /Enquire Now:

flightcrew@lovelyaviation.com  
www.lovelyaviation.com



service with excellence

**YOLARE AVIATION & CONSULTANCY PVT. LTD.**

- Air Ambulance Services
- Aircraft and Helicopter (Air) Charter
- Aircraft Sales, Lease, Management and Consultancy
- Ground Handling and Airport Coordination
- Landing, Over Flight and Technical Landing (YA) Permits

No.742, Chamundeshwari Krupa, NH 04, T.Dasarahalli, Bangalore 560057.  
info@volareaviation.com Tel. : +91 80 3291 9007 / +91 98 4505 1002

www.volareaviation.com

ATR PILOTS

ARE YOU SEARCHING  
FOR ATR PILOTS ?



Advertise your JOB openings Now @  
**+91 9444499221**

E-mail : atrpilotjobs@gmail.com

www.atrpilots.com

We Value Your **Feedback**

We love to hear from you as  
**AU** consistently strives to  
make its content informative,  
interesting and engaging.



**Aviation  
Update**  
BIGGER DREAMS FOR TOMORROW

Please share your feedback/thoughts/  
views via email at marketing@aviationupdatemagazine.com  
We welcome your comments/ suggestions and  
encourage you to send them to:  
The Editor, 16-11-741/6/E/50, S.B.H COLONY,  
DILSUKHNAGAR, HYDERABAD-500 060, India.  
Tel: 09444499221, 040-42215553

# INDIA'S BEST AVIATION STORE AT YOUR DOOR STEP

Aircraft Miniature Replica Scale Models & Many Others @ Aviation Store.

YOUR "ONE STOP" SHOPPING CENTER FOR ALL YOUR HOBBY NEEDS.



Interested Buyers Can Email to : [info@aviationupdatemagazine.com](mailto:info@aviationupdatemagazine.com) Contact us : +91 9444499221



## AUREA

AVIATION PRIVATE LIMITED

Delhi Office : RZ 681 A/9, Gali No. 27C, Sadh Nagar II, Palam Colony, New Delhi - 110045, India  
Tel. : +91 11 2504 3524 • Mobile : +91 70423 93934 / 35 / 36 / 37 / 38 (5 Lines)  
Email : [gh@aureaaviation.com](mailto:gh@aureaaviation.com)

Head Office : Flat No E 103, Krishna Gokul Garden CHS Ltd, Thakur Complex, Kandivali (East), Mumbai 400101, India • Mobile : +91 99873 41111 / +91 97021 24491  
Email : [rajesh@aureaaviation.com](mailto:rajesh@aureaaviation.com) / [query@aureaaviation.com](mailto:query@aureaaviation.com)  
Web : [www.aureaaviation.com](http://www.aureaaviation.com)

**Contact us for:**

- Air Ambulance Services.
- Aircraft and Helicopter (Air) Charter.
- Airport Ground Handling & Co-ordination
- Flight permits (Landing, Over flight & Technical landing)
- Aircraft sales, Lease, Management and Consultancy.
- Domestic and Inbound Tour Operator (ITP Flights)

**We are:**

- Approved by Indian Civil Aviation Authority (DGCA)
- Airport Ground Handling Agency security cleared by Bureau of Civil Aviation Security (BCAS)
- Approved by Ministry of Tourism (MOT)
- Member of Indian Association of Tour Operators (IATO)
- Member of National Business Aviation Association (NBAA)

DISCOVER THE JOY OF FLYING WITH AUREA AVIATION



We welcome you in the world of comfort and luxury.











Middle East premier aviation monthly magazine

# AVIATION

## MIDDLE EAST UPDATE

[www.aviationupdateme.com](http://www.aviationupdateme.com)



SUBSCRIBE NOW

[aviationupdateme@gmail.com](mailto:aviationupdateme@gmail.com)

THIS IS THE BEGINNING OF SOMETHING BIG

The civil aviation industry is deemed to be one the fastest growing sectors in Middle East economy. With the launch of Aviation Update, we are thrilled to take on an insider role bringing you the very best scoop of Middle East aviation. Air crafts, transportation, logistics, cargo, technology and much more...



**Subscribe for 2 Years & Get Free Desktop Aircraft Model Worth Rs. 900/-**



# AVIATION UPDATE

Give something special to your friends, colleagues, neighbours, relatives, teachers, anyone with reason to appreciate you, by helping us send them great offers which will also help to increase the reach of your favourite publication, AVIATION UPDATE.

Term	News-stand Price
1 Year (12 issues)	Rs. 1200
2 Years (24 issues)	Rs. 2400
3 Years (36 issues)	Rs. 3600

## SUBSCRIBE NOW

**YES!** I would like to subscribe/renew my subscription to AVIATION UPDATE (Rs.100 cover price)

Name : .....

Address : .....

City : ..... Pin : ..... State : .....

Country : ..... Email : ..... Job title : .....

Industry : ..... Company : .....

Tel : ..... Mobile : .....

My cheque / dd no. : ..... Date : ..... Drawn in favour of aviation update .....

For Rs. .... Drawn on ..... Is enclosed herewith.

Or, please charge my credit card : visa master card amex for rs.

Card number :

Card number's name : ..... Date of birth : ..... Card expiry date : .....

Signature : ..... Date : .....

**PLEASE MAIL THIS COUPON TO :**

**AVIATION UPDATE**, 16-11-741/6/E/50, S.B.H COLONY, DILSUKHNAGAR, HYDERABAD-500 060, INDIA.

Tel: 09444499221, 040-42215553

E-mail : Info@aviationupdatemagazine.com

Please add Rs.20/- for cheques not drawn on a Hyderabad bank. Subscription rates subject to change without prior notice. in case of gift subscription. please provide mailing details separately

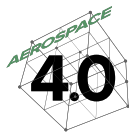


**FARNBOROUGH**  
INTERNATIONAL

**AIRSHOW**

16-22 JULY 2018

# The future starts here



**More than just an airshow...**

Discover a range of new business incentives, attractions and networking opportunities at FIA2018. With attendance from key global influencers plus the latest thought leadership and industry insight, FIA delivers the best value for your business.

Book your Visitor Passes today at  
[www.farnboroughairshow.com/trade](http://www.farnboroughairshow.com/trade)