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April 1<sup>st</sup>, 2017

## Cargolux 747-8F first to fly one million hours

**C**argolux, Europe's leading all-cargo airline became the first operator globally to fly one million hours with this new engine type and remains GE's GEnx fleet chief in total operating hours. With the first delivery of the 747-8F, Cargolux also became the launch customer of the GEnx engine that characterise a massive leap forward in propulsion technology, using the most modern materials and design processes to lessen weight and boost performance. Cargolux has not experienced basic-engine caused an in-flight shutdown of the engine since its entry into service.

"One million flight hours on a new engine type is a tremendous achievement, both for GE and Cargolux," said Onno Pietersma, Cargolux EVP Maintenance & Engineering. "Our confidence in the

GEnx has well paid off, even if we had to work around some teething problems with the engine that are perfectly normal for such an innovative design. GE's support team has been extremely helpful in getting things on track and our 747-8 freighters benefit from the superior performance of this powerplant."

"The GEnx engine has proven itself to be an outstanding engine in terms of technology and performance," remarked Tom Levin, general manager for GE's GEnx engine program. "As the GEnx launch customer, Cargolux has led the fleet and we are proud to celebrate the one million flight hours with them."

The Cargolux freighters flew record numbers of block hours last year and as a chief operator of Boeing's 747-8F, the airline regularly achieves a record-high

utilisation of its fleet. Cargolux's Maintenance Division maintains the fleet schedule consistency on a major level with a usual dispatch rate of 97.7 percent for the 747-8F and 97.5 percent for the 747-400F in 2016. The 747-8 Freighter provides double-digit improvements in fuel consumption and carbon emissions below ICAO limits. ■

**Onno Pietersma**  
Cargolux EVP Maintenance  
& Engineering



## IAI assesses 2016 a year of outstanding performance

**I**srael Aerospace Industries ("IAI"), Israel's prime aerospace and aviation manufacturer, has come up with its financial statements for 2016. According to this, 2016 was an outstanding year when taking into consideration the Company's long-lasting collaboration with the MOD – both from the point of view of technological successes and in the number and scope of long-term.

The Company reports sales totalling USD 3.6 billion and a net loss of USD 110 million. The loss primarily occurred from a non-recurring provision in the amount of USD 162 million for the early retirement of more than 800 employees in the context of the growth agreement signed in the third quarter of 2016. Save



this provision, the Company would have adjusted net income totalling USD 24 million. The Company also reports positive cash flows from operating activities of USD 156 million.

Joseph Weiss, president and CEO, IAI, said, "The Company's large scope of engagements in the past year is a result of the large number of medium-sized contracts signed during the year rather than of huge deals whose closing involves a lengthy and time consuming process.

The transaction mix is evidence of extensive marketing efforts made, IAI's strong position in numerous domestic and international markets and its ability to manage and develop its business ventures even in a constantly changing and challenging business climate which characterizes its markets of operation. It represents a vote of trust in IAI expressed by its leading customers around the globe, a trust which we believe will remain just as strong in the future."

The Company reports new deals at a scope beyond USD 4 billion. The scope of new deals derives from a record number of worldwide medium-sized transactions signed, along with current long-term agreements with the MOD resulting in a major increase in order backlog. ■

## Kaman increases stake in India JV with Kineco

**K**aman Aerospace Group, Inc., a subsidiary of Kaman Corporation, and Kineco Limited announced that Kaman has increased its stake in the parties' Indian manufacturing joint venture Kineco Kaman Composites India Pvt. Ltd. (JV) from 26 percent to 49 percent. The Goa-based JV manufactures advanced composite structures for aerospace, imaging/medical, and other industries for customers including BAE Systems, Hindustan Aeronautics Limited, and Vikram Sarabhai Space Centre.

The announcement was jointly made in Goa, India by Neal J. Keating, chairman, president and chief executive officer of Kaman Corporation and Shekhar Sardesai, executive vice chairman and managing director and promoter of Kineco.

"Our increased ownership stake reflects our commitment to this JV and confidence in the potential of the rapidly growing Indian Aerospace Industry," said Keating. "We entered the JV to support our strategy to provide our customers with a complete aerosystem



solution. The JV helps us offer customers a 'One Stop' full complement of seamless services including design, tooling, testing, certification, and low rate initial production through steady state high velocity production. We are proud of the significant progress that the JV has achieved in a relatively short time period, and along with our outstanding partner, Kineco, strongly support the future business plan for the JV."

Sardesai remarked, "Kineco is glad to have a strong and supportive partner in Kaman and we thank them for reposing their faith in the JV. The very success of this collaboration over the past few years indicates how closely Kineco and Kaman have worked together in sup-

porting the operation. Having built a strong foundation and a list of satisfied customers, the JV plans to undertake its first major expansion over the next 12 to 18 months, an investment plan that has received the approval of the Goa Investment Promotion Board. This investment reiterates our commitment to put Goa on the Indian and Global Aerospace and defense ecosystem as a result of our innovation and technology. We believe that strong governance and human capital have been the pillars of our achievements, and we will continue to invest in these resources to build on our success."

The joint venture provides employment for more than 150 people at its composites manufacturing facility in Goa. The operation produces complex composite structures utilising the newest carbon material and autoclave curing skill. The business has brought together Kaman's proven manufacturing knowledge and decades of aerospace composites fabrication understanding with Kineco's knowledge of local markets and advanced composites manufacturing potential. ■

## Duncan Aviation's main facilities performing global pre-purchase evaluations

**D**uncan Aviation, an aircraft service provider is currently undertaking pre-purchase evaluation on at least one Bombardier Global aircraft in three of its full-service Maintenance, Repair and Overhaul (MRO) facilities.

Mike Minchow, vice president of Service Sales for Duncan Aviation, says, "We have extensive experience on Global aircraft at all three of our maintenance facilities, and more than 200 experts enterprise-wide who support the Global airframe. We're excited that we have three Global pre-purchase evaluations, one at each facility, in process at the same time."

Duncan Aviation locations in Battle Creek, Michigan; Lincoln, Nebraska; and Provo, Utah; have seen more than 100 pre-purchase evaluations for aircraft transactions over the last two years.

"In addition to our pre-purchase expertise, we are becoming known to Global operators for our aggressive downtimes and true one-stop capabilities that include paint, interior refurbishment and a wide variety of avionics, connectivity and entertainment upgrades," Minchow continues. ■

## Lufthansa Technik AERO Alzey and Zimex Aviation expand partnership

**Z**imex Aviation Ltd, a Swiss airline based in Glattbrugg at Zürich Airport and Lufthansa Technik AERO Alzey, a subsidiary of the Lufthansa Technik Group have signed an exclusive five-year deal for the maintenance of eight PW124B engines from the Canadian manufacturer, Pratt & Whitney. The engines are installed in ATR 72 aircraft.

"On the basis of Lufthansa Technik AERO Alzey's many years of experience in the maintenance of PW124B engines and the compilation of individual customer solutions for planned and unplanned events, we can offer our customers the highest standards of adherence to



deadlines and reliability," says Hugo Kopp, CEO of Zimex Aviation.

"We are delighted to have this opportunity to take on the PW124B engine maintenance for Zimex," comments Martin Hach, COO of Lufthansa Technik AERO Alzey. "We know that reliability is a fundamental key factor for airlines. It is therefore a matter of course for us that we guarantee Zimex the highest possible availability of their aircraft engines." ■

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## Delta Air Lines and Korean Air to expand partnership



**D**elta Air Lines and Korean Air have decided to expand and deepen their partnership with an expanded trans-Pacific network that will enhance travel choices and boost competition between the U.S. and Asia.

The airlines signed a memorandum of understanding to put into action a joint venture arrangement, which will offer customers access to the most broad route network, industry-leading airline products, world-class airport facilities and a flawless customer experience.

Highlights of the agreement, subject to regulatory approvals, include the objective to generate a fully integrated trans-Pacific joint venture deal, with both

airlines sharing the costs and revenues on flights and coordinating schedules for flawless, suitable connections, a joint network, serving more than 290 destinations in the Americas and more than 80 in Asia, providing customers of both airlines with better travel choices than ever before, and improved frequent flyer profits, providing customers of both airlines the ability to earn and redeem miles on Delta's Sky Miles and Korean Air's SKYPASS programmes.

"This agreement deepens our long-standing partnership with Korean Air and will provide the global access and seamless service our customers demand," said Delta CEO Ed Bastian. "We

look forward to providing customers of both carriers with industry-leading service between the U.S. and Asia."

"This Joint Venture will benefit our customers by providing more convenient connection schedules and widen their opportunities in earning mileages," said Korean Air's chairman and CEO, Yang Ho Cho. "With this agreement, we will reinforce Incheon airport's position as a major international hub in North East Asia and support the growth of Korea's aviation industry."

Delta and Korean Air will work jointly to put into operation all aspects of the co-operation including expanded code-sharing, regular flyer programmes and joint development in the trans-Pacific market, with co-location at key hubs.

Delta will be introducing a new non-stop service between Atlanta and Seoul in June 2017, providing customers in the U.S. with greater access to destinations across Asia. Simultaneously Korean Air will introduce a third roundtrip between Los Angeles and Seoul and a second flight between San Francisco and Seoul. ■

## Commsoft' OASES chosen by Nordic Aviation Maintenance Organisation (NAMO) for its CAMO and MRO operations

**C**ommsoft, a global leader in aviation engineering and maintenance software, announced that its OASES have been selected by Nordic Aviation Maintenance Organisation (NAMO) to support its CAMO and MRO operations. This will initially be with NAMO OY in Finland, followed by the possible implementation in Sharjah, UAE.

OASES offer an industry-leading technical classiness whilst being spontaneously user-friendly. The system is structured in a modular format to allow for scalability and NAMO will be implementing the Core, Airworthiness, Planning, Production, Materials and Warranty modules, all of which NAMO will be accessing through Commsoft's private cloud hosting service thereby avoiding the need to install any additional hardware. The company is also likely to add the Commercial module later.

NAMO headquartered in Finland is an EASA Part 145 and Part M sub-part G certified maintenance organisation. The company performs line/base maintenance for Airbus A318, A319, A320, A321 and A330 aircraft as well as Boeing 747 and 757 models. Other services are also provided, such as 24-hour engineering and AOG operations. NAMO has Line Station and General Cooperation Agreement with VDG Hangar in Sharjah, UAE to provide Base Maintenance activities.

Nick Godwin, Commsoft's managing director, commented, "We're very pleased to be working with NAMO and initial implementation meetings will start very soon with the team, with the first aircraft to come under OASES support being a Boeing 747-400F. NAMO's decision represents a further extension of the truly global nature of the OASES family." ■

## BOC Aviation acquires two Boeing 747-8 Freighter Aircraft

**B**OC Aviation Limited, a leading global aircraft operating leasing company is pleased to announce the purchase of two Boeing 747-8 freighter aircraft. Both aircraft are committed for long-term leases to AirBridgeCargo Airlines, one of the world's top international cargo airlines.

"We are pleased to add a strong new partner, AirBridgeCargo Airlines, to our customer base as it expands its services within the cargo sector," said Steven Townend, chief commercial officer (Europe, Americas and Africa), BOC Aviation. "The Boeing 747-8F is a technologically advanced aircraft and is one of the most capable long-haul freighter aircraft. This transaction further diversifies our portfolio as we continue to grow our fleet through accretive investment."

"We appreciate BOC Aviation's trust and support in the development of our Boeing 747-8F fleet. We strongly believe in the capabilities of this state-of-the-art aircraft and the benefits that it brings to people all over the world. We are glad that the number of companies and people who recognize the advantages of this aircraft and are interested in purchasing it is growing," added Sergey Lazarev, general director of AirBridgeCargo Airlines. ■

## Helisota and Cobham Helicopter Academy to work together on helicopter maintenance and pilot training



**H**elisota, a global provider of integrated MRO and training services for rotorcraft aviation, has signed a cooperation agreement with Cobham Helicopter Academy, a helicopter training company based in UK. The two

companies will collaborate on developing and providing joint training programmes for helicopter maintenance personnel and other specialists.

Based on the agreement, Helisota's customers will receive access to a broad range of initial and type training, as well as specialised courses that are provided by Helicopter Academy. Cobham

Helicopter Academy will be able to offer its students new courses provided by Helisota, covering theoretical and practical training on Mi-8, Mi-17, Mi-171 helicopters.

"Being a one-stop-shop helicopter

support provider, we aim at constantly expanding our products in order to ensure that helicopter private and governmental operators can get all required service at one place. With this in mind, we are delighted to start the cooperation with Cobham and its training team. We also hope that it will open new opportunities for both our companies in further expanding the client lists," stated Anatolij Legenzov, CEO of Helisota.

Duncan Milne, vice president of Cobham Helicopter Services, said the agreement demonstrated the Academy's collaborative approach to providing the best solutions for its customers and reflected the confidence of industry partners in Cobham's helicopter training capabilities.

"Having only launched the Cobham Helicopter Academy at HeliExpo 2017, this is an exciting and encouraging development which offers our customers a competitive training and support package," Milne said. ■

## Cebu Pacific Air choose AFI KLM E&M to support its A320 fleet

**C**ebu Pacific Air, the Philippines' leading carrier has chosen Air France Industries KLM Engineering & Maintenance (AFI KLM E&M) to provide component support for its Airbus A320 fleet. The selection of AFI KLM E&M came following a call for tenders by CEB in September 2016 for the carrier's expanding fleet of Airbus passenger jets.

The long term agreement covers a fleet of over 40 Airbus A320s, and encompasses full component support and solutions, including repairs and local pool access to make the most of aircraft availability, for both its A320neos and its future A321neos. CEB currently has a fleet of 59 aircraft: four Airbus A319, 36 Airbus A320neo, seven Airbus A330, eight ATR 72-500, and four ATR 72-600 aircraft.

"This is our first agreement with Cebu Pacific and also our first component support contract in the strategic Philippines market," said Gery Mortreux, executive vice president of Air France Industries.

CEB expects delivery of 45 brand-new aircraft between 2017 and 2021 as part of its fleet renewal programme. Comprised of 12 ATR 72-600 aircraft, one brand-new



Airbus A330, and 32 Airbus A321neo, the new aircraft will bring the CEB fleet to 85 by 2021. CEB has one of the youngest and most modern aircraft fleets in the world with an average age of 4.94 years.

"We are extremely proud to number Cebu Pacific Air among our clients, and support the development of one of the most successful Low Cost Carriers in this fast growing market," added

Fabrice Defrance, senior vice president Commercial AFI KLM E&M.

AFI KLM E&M at present has a strong presence in the South East Asia aircraft maintenance market. In 2017, AFI KLM E&M will see a rise in the number of A320 support agreements, especially in Asia. The Group is asserting its skill on this aircraft, especially in the A320neo and A321neo arena. ■

## Bombardier C Series Aircraft completes non-stop flight from London City Airport to John F. Kennedy Airport, New York

**B**ombardier Commercial Aircraft is pleased to announce the non-stop successful flight of a C Series aircraft with a representative payload flew from London City Airport to John F. Kennedy Airport, New York City. The direct intercontinental flight followed a series of successful flights to display the CS100 aircraft's outstanding capabilities for operations to and from LCY, including sudden approach landing and short runway performance.

"The C Series aircraft program achieved another significant milestone with the completion of the demonstration tests at LCY. The C Series is the only commercial aircraft that was specifically designed for operations at LCY and we are very proud of its performance. The aircraft smoothly performed all eight take-offs and landings during a two-day period, as planned. This confirms the C Series aircraft's unparalleled capabilities," said Rob Dewar, vice president, C Series

Aircraft Program, Bombardier Commercial Aircraft. "The aircraft is meeting all performance expectations and clearly demonstrates that it is the best performing and most efficient aircraft in the 100- to 150-seat class."

"It has been a pleasure to welcome the Bombardier CS100 aircraft and its team to London City Airport for the first time, as part of their testing and evaluation process. Following the landmark C Series non-stop flight to JFK, we look forward to the completion of its regulatory certification, followed by entry into commercial passenger operation with SWISS," added Declan Collier, CEO of London City Airport.

The certifications from Transport Canada and EASA for steep approach operations with the CS100 aircraft are expected in the second quarter of 2017. Bombardier has wide experience operating at LCY Airport with various aircraft types, including the Q400 turboprop aircraft, as well as the Challenger 650

aircraft and Global 5000 and Global 6000 business jets.

The CS100 aircraft is the most efficient and economical commercial aircraft allowing airlines to viably offer direct intercontinental flights from London City Airport to both North America as well as the Middle-East on top of opening several new route opportunities within Europe, Russia and Northern Africa, which were not possible with old-generation aircraft.

SWISS is probably the first airline to offer service with the C Series to and from London City Airport later this year.

The C Series aircraft is the ultimate commercial aircraft in its class for urban operations and noise-sensitive airports. Besides, it has a much lower noise footprint compared to other commercial jets, and provides a better quality environment for people residing in London as it is the quietest commercial aircraft in production. ■

## EPI signs support contract with the Malaysian government for TP400 engines powering Malaysia's A400M military aircraft

**E**uroprop International GmbH (EPI) has signed an In-Service Support (ISS) contract for the TP400 turboprop engines powering the Royal Malaysian Air Force's A400M military transport aircraft with the Malaysian government, at the 2017 Langkawi International Maritime & Aerospace Exhibition (LIMA). The contract was signed by Christophe Bruneau, president of EPI, and Dato' Abdul Rahim Mohamad Radzi, secretary general at the Malaysian Ministry of Defense.

A Memorandum of Agreement (MoA) was signed on March 21 by EPI and Global Turbine Asia (GTA), a Malaysian joint venture with Safran that provides MRO services for helicopter and airplane engines.

EPI and GTA provide support services for the TP400 engines' fleet powering the Royal Malaysian Air Force's four A400M airlifters. The first phase of the contract runs until the end of October 2017, leading to the second phase, when GTA will become the prime contractor for these support services.



Based on the contract, EPI and GTA will provide local support services. GTA's Subang facility already deploys a Customer Support Representative (CSR), Field Support Representatives (FSR) and Logistics Support Representatives (LSR) to make certain that the Royal Malaysian Air Force continues to receive timely support for their engines.

"We are delighted to continue to build

a successful partnership with GTA, which enables us to provide local support for the TP400 engine fleet," said Christophe Bruneau, president of EPI.

EPI will support GTA to attain Approved Maintenance Organization (AMO) certification from EPI, as well as certifications from the European Aviation Safety Agency (EASA-Part145) and the Malaysian airworthiness authority DGTA. ■



## Bombardier signs GKN Aerospace's Fokker Business as Authorised Service Provider for Q400 Component Repair Management

**B**ombardier Commercial Aircraft is pleased to announce that it has appointed Fokker Services BV as its Authorised Service Provider (ASP) covering component repair management for the Q400 aircraft thus strengthening its Bombardier Smart Parts programme. Fokker Services BV is a GKN Aerospace business and a subsidiary of Fokker Technologies.

Based on the 10-year contract, GKN Aerospace's Fokker business will support Bombardier's industry-leading Smart Parts programme through its wide in-house capabilities, as well as a strong third-party repair agency network. Smart Parts programme provide component management solutions in support of the Q400 aircraft fleet. Approximately 150 aircraft are enrolled by Q400 and C Series aircraft customers are supported by this programme.

"Our Q400 aircraft operators can rely on Bombardier's continued management of our Q400 aircraft Smart Parts program, but will now also benefit from Fokker's expertise, infrastructure and systems under the ASP agreement for component repair management," said Todd Young, vice president and general manager, Customer Services and Q400 Aircraft

Programme, Bombardier Commercial Aircraft. "With the flexibility to utilize its own in-house repair shop capability, or arrange for support through Bombardier's third-party repair agency network, GKN Aerospace's Fokker business is well positioned to help enhance the existing support and services for the Q400 aircraft."

"We are pleased to extend our relationship with Bombardier to provide component repair management to Q400 aircraft operators," said Erik Geertsema, vice president Business and Strategy Development at GKN Aerospace's Fokker business. "As the top service provider in the industry, this expanded alliance with Bombardier reaffirms Fokker's commitment to facilitate the competitive and efficient operation of Q400 aircraft and to enhance the strong reputation of the Q Series turboprop fleet."

The Q400 aircraft is the latest development in the Q Series family of aircraft. It provides matchless performance, operational flexibility and traveller comfort. Apart from the standard single-class configuration, Q400 aircraft are available with an optional dual-class interior for improved passenger comfort. ■

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## Binter joins Bombardier's CRJ1000 family



**B**ombardier Commercial Aircraft welcomes Binter, an airline based in Telde, Gran Canaria, Spain to the CRJ1000 operator family. The Spain-based operator will expand its presence with the latest CRJ1000 aircraft under a leasing contract with Air Nostrum of Valencia, Spain totalling Air Nostrum's fleet of CRJ Series regional jets to 36.

"We are thrilled to strengthen our fleet with a Bombardier CRJ1000 aircraft leased from Air Nostrum. This agree-

ment represents an important step in our growth journey" said Pedro Agustín del Castillo, president and CEO, Binter.

"We are pleased with the performance of the in-service CRJ900 aircraft and we are confident that the CRJ1000 regional aircraft will also be a key asset in helping Binter offer a high level of service between the Canary Islands and Cabo Verde, Western Africa and the Iberian Peninsula."

The CRJ1000 aircraft was delivered

to Air Nostrum on March 30, 2017 at Bombardier's facility in Mirabel, Canada where the CRJ Series regional aircraft are manufactured.

"Air Nostrum is pleased to provide Binter with the operation of the CRJ1000, which is the best100-seater jet in the market. Air Nostrum is the most experienced operator of this aircraft type and the airline with the largest number of CRJ1000 orders in the world," said Carlos Bertomeu, chief executive officer and president, Air Nostrum.

"We are very pleased to welcome Binter as the latest CRJ1000 carrier. We congratulate both Binter and Air Nostrum for finalizing another successful agreement that will see the CRJ1000 aircraft expands Binter's network, connecting more passengers to key cities within the beautiful Canary Islands region," said Fred Cromer, president, Bombardier Commercial Aircraft. "We are delighted that the CRJ1000 aircraft — with its outstanding economics — continue to play a significant role in positioning Air Nostrum's ongoing growth strategy, and we thank our longtime customer for their confidence and partnership." ■

## Bombardier Commercial Aircraft exhibit best-in-class C Series and CRJ cabins at the Aircraft Interiors Expo

**B**ombardier Commercial Aircraft is exhibiting its best-in-class C Series cabin and the newly redesigned CRJ cabin at the Aircraft Interiors Expo (AIX) in Hamburg, Germany from April 4 to 6, 2017.

"We are pleased to be participating in the Aircraft Interiors Expo for the first time in our history and we are proud to be unveiling our C Series cabin mock up at AIX – the only brand new cross-section cabin to be displayed at the show," said Patrick Baudis, Vice President of Marketing for Bombardier Commercial Aircraft. "We are equally proud to present the newly redesigned interior for the CRJ regional aircraft. We are pushing the market towards new cabin comfort standards with the C Series and the new CRJ cabins that were both designed around the passenger," he added.

"Our customers love the C Series



cabin. Their crew find it most convenient and their passengers are impressed with the amount of space and light they get when flying on board a C Series aircraft," added Ross Mitchell, Vice President, Commercial Operations, Bombardier Commercial Aircraft. "The feeling of space we created with the C Series cabin design gives passengers the impression they are flying on a widebody aircraft. The contemporary CRJ cabin provides more space for

carry-on bags and offers several new options to enable airlines to customize their configurations."

Representatives from SWISS and airBaltic, along with Bombardier Commercial Aircraft's Patrick Baudis, will reveal C Series passenger experience feedback collected after 8 months in service, on Monday April 3rd during the Passenger Experience Conference.

Visitors in AIX will be able to experience first-hand Bombardier's new C Series cabin mock-up which displays the innovative comfort experience this cabin design is currently offering. Expo-goers will also be able get a sneak-peak at the new CRJ regional aircraft cabin which has a new modern design through virtual reality devices. The cabin design will also have retrofit capabilities for airlines that want to upgrade their earlier cabin to the new one. ■



## Praxair Surface Technologies signs long-term agreement with Rolls-Royce for abrasive coatings



**P**raxair Surface Technologies, a leader in the ever-expanding world of wear-and-corrosion-resistant coatings has won a long-term agreement from Rolls-Royce to apply its Tribomet abrasive coatings to rotating components of the Trent jet engine family. The project, which will begin in mid-2017, will be serviced from PST's coating operations in Indianapolis and Weston-super-Mare, England.

According to the agreement, Rolls-Royce's facility in Crosspointe, Virginia, which produces engine components for the Trent engine, will receive the PST coatings for ten years.

The coatings will be applied to rotating components in the Trent engine family, which powers wide-body aircraft.

According to Praxair Surface Technologies, the coatings help thwart frictional heating, boost fuel efficiency and lengthen component life.

"We are proud to extend our relationship with Rolls-Royce, a leading aerospace producer," said Freddie Sarhan, vice president for the Americas at Praxair Surface Technologies. "This is just the latest example of the type of long-term business relationships

we develop with our customers that support their business growth in the U.S. and around the world. It also further builds on PST's long and successful history of serving the aerospace industry."

"We are very pleased to collaborate with Praxair Surface Technologies, a key supply chain partner, to expand our in-state relationships and contribute to the overall growth of the aerospace sector," said Jeff McInerney, Rolls-Royce vice president of supply chain, Americas.

"It is a great testament to the sophistication of Indiana's aerospace supply chain when a global engine manufacturer like Rolls-Royce chooses to invest in a technology developed locally," said Ryan Metzger, director of the Conexus Indiana Aerospace & Defense Council. "With both of these companies serving on our statewide council, we look forward to learning from this partnership and creating more of these opportunities throughout our supply chain." ■

## Duncan Aviation's main facilities performing global pre-purchase evaluations



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its full-service Maintenance, Repair and Overhaul (MRO) facilities.

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says, "We have extensive experience on Global aircraft at all three of our maintenance facilities, and more than 200 experts enterprise-wide who support the Global airframe. We're excited that we have three Global pre-purchase evaluations, one at each facility, in process at the same time."

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"In addition to our pre-purchase expertise, we are becoming known to Global operators for our aggressive downtimes and true one-stop capabilities that include paint, interior refurbishment and a wide variety of avionics, connectivity and entertainment upgrades," Minchow continues. ■

## Bombardier and CityJet confirm order for four more CRJ900 aircraft



**B**ombardier Commercial Aircraft announced that CityJet, headquartered in Swords, Dublin has confirmed the purchase of four CRJ900 aircraft that were part of a purchase contract announced on February 1, 2017. That contract included a firm order for six CRJ900 aircraft and options for four more. Upon delivery, the aircraft will operate under wet lease in the SAS network.

Based on the list price of the CRJ900 aircraft, the order is valued at about US \$467 million, now that all options have been exercised.

"CityJet has become one of our largest European CRJ900 aircraft advocates in a short period of time and we are delighted that the airline continues to put its confidence in Bombardier and its products," said Ryan DeBrusk, vice president,

Sales, Europe, Russia & Commonwealth of Independent States, Bombardier Commercial Aircraft. "The CRJ900 aircraft is ideally suited to growing markets across Europe and is creating excellent value for a wide variety of operators with its superior performance, economics and enhanced cabin amenities."

"The CRJ900 is proving to be an extremely reliable and popular aircraft in our Nordic operations on behalf of SAS Scandinavian Airlines. The confirmation of these orders – bringing us to 22 new CRJ900 aircraft in our fleet – further demonstrates CityJet's belief in this aircraft as a key part of our wet lease growth strategy," said Pat Byrne, executive chairman, CityJet.

Since early 2016, CityJet has taken delivery of 12 new CRJ900 aircraft, all of which it operates for SAS. In January 2017, CityJet purchased Cimber A/S, a regional airline in Denmark and a former wholly owned subsidiary of SAS, which operates a fleet of 11 CRJ900 aircraft, most of which will be replaced by the new order. ■

## Installment of FANS in oldest Challenger 604 by Jet Aviation in St. Louis

**T**he PC-12 NG, world's best-selling single-engine turboprop aircraft, is now approved for commercial operations in Europe following a decision by the European Aviation Safety Agency (EASA). The PC-12 has been in commercial use successfully for years in other parts of the world, be it for business, medical transport or cargo flights.

Single-engine turbine aircraft were approved for commercial use in Europe on 1 March 2017. This decision by EASA lets the PC-12 to be operated commercially at night, and under instrument flight rules, across all 32 EASA member states (Commercial Air Transport Single-Engine Turbine in Instrument Meteorological Conditions CAT SET-IMC).

A spacious, comfortable cabin, high loading capacity and large cargo door make the PC-12 an extremely versatile aircraft. Those qualities combined with a range that is sufficient to cover all

of Europe, plus lower operating and maintenance costs compared to twin-engine aircraft, will open up interesting new perspectives for commercial operators in Europe. The worldwide fleet of nearly 1,500 PC-12s has now completed over 6 million hours in the air.

Ignaz Gretener, vice president General Aviation at Pilatus, said, "CAT SET-IMC will make it possible to develop new routes in Europe. The decision by the EASA provides an incentive for aircraft operators in Europe to replace older aircraft with new, safer, more environmentally friendly single-engine turbine aircraft such as the PC-12. With its short take-off and landing capacities, the PC-12 will also fly closer to the desired destination. We are confident that we will soon see a large number of additional PC-12s providing good service in Europe." ■

## AAR wins 15-Year \$909 Million landing gear agreement from U.S. Air Force

**A**AR, an Illinois-based global aftermarket solutions company has been awarded a \$909,394,297 fixed-price agreement from the U.S. Air Force for the Landing Gear Performance-Based Logistics One programme. The work is expected to be completed by 2032.

"This award is affirmation of AAR's expertise and leadership position forged over 30 years in managing the repair, maintenance and logistics of landing gear," said John Holmes, chief operating officer, Aviation Services. "We are very honored to support the U.S. Air Force fleet and the critical missions they perform. We will work tirelessly every day to make them proud of their selection."

AAR will offer total supply chain management including purchasing, remanufacturing, distribution and inventory control to support all Air Force depot and field-level, foreign military sales, other services, and contractor requisitions received for all C-130, KC-135 and E-3 landing gear parts.

"AAR is a strong fit to serve as prime on this contract because we can utilize our broad range of services and facilities across the country to not only overhaul landing gear for these three fleets but also procure and manage all the parts needed to keep them in service," said Nicholas Gross, senior vice president, Government Supply Chain Solutions.

Repair work will be done at AAR's landing gear services facility in Miami and inventory supply and management will be handled by means of AAR offices and warehouses in Wood Dale, Illinois, and Ogden, Utah.

"This contract is another great example of how AAR can apply commercial MRO and supply chain best practices to help the government increase efficiencies and decrease costs," said David P. Storch, Chairman, president & CEO. "In this time of reduced budgets, government can rely on a trusted partner like AAR that has been providing aviation aftermarket services for more than 60 years." ■



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## Embraer's E195-E2, the most efficient new-generation jet in the world, flew ahead of schedule

**E**mbraer performed the inaugural flight of E195-E2, the largest aircraft of the family and the most capable aircraft in the single-aisle jet market ahead of schedule. The flight, originally scheduled for the second half of the year, happened just three weeks after the roll out.

The E195-E2 departed at 11:22 a.m., local time, from Embraer's facility in São José dos Campos, Brazil, and flew for two hours. Staffed by pilots Márcio Brizola Jordão and José Willi Pirk, as well as flight engineers Celso Braga de Mendonça and Mario Ito, the flight crew evaluated aircraft performance, flight quality and systems behavior, such as autopilot, fly-by-wire in direct mode, and the landing gear retraction.

"With a unique level of efficiency, the E195-E2 offers our airline partners the opportunity to develop new markets with greater profitability without compromising unit cost competitiveness. It's a profit-hunting machine," said John Slattery, president & CEO, Embraer Commercial Aviation.



"With 1.4 meters longer wingspan than the E190-E2, the E195-E2 becomes the aircraft with the highest aspect ratio among single-aisle jets thus increasing fuel efficiency" said Luís Carlos Affonso, COO, Embraer Commercial Aviation. "We also applied experience from over 17 million hours of flight and 100 jet airline customers to develop the E195-E2 with the most competitive life cycle cost in the industry."

The E195-E2 is the perfect aircraft for regional business development as well as to balance existing low-cost business plans and mainline fleets. The airplane will save up to 24 percent in fuel and

20 percent in maintenance costs per seat when compared to the existing E195.

Embraer will use two aircraft for the E195-E2 certification campaign.

The first prototype will be used for the aerodynamic and performance tests. The second prototype will be used for the validation of maintenance tasks and of the interior. The E195-E2 will start operation in the first half of 2019, with Azul Brazilian Airlines.

The E195-E2 has three supplementary rows of seats when compared to the present generation E195, and it can be configured with 120 seats in two classes of service, or up to 146 in a single class. The aircraft also has a major increase in a range of 450 nautical miles, which allows trips of up to 2,450 nautical miles. ■

## Ethiopian Airlines and South African Airways expand codeshare agreement

**E**thiopian Airlines and South African Airways, both members of Star Alliance, have revamped the codeshare agreement, inked on October 01, 2016 and anticipated to be effective as of 2017 summer season.

The revamped codeshare agreement is expected to further boost the collaboration between the two carriers and offer a wide range of choice of destinations for customers to travel to.

Girma Shiferaw, A/Vice President Strategic Planning and Alliances, Ethiopian, remarked, "As a successful Pan-African carrier, we have an unshakable stance to work in collaboration with all African carriers. Therefore, revamping the already existing codeshare agreement with our partner, South African Airways, emanates from our common ambition and joint effort to expand our footprint to different destinations



and better serve our esteemed customers globally. The expanded codeshare agreement between the two carriers enables our customers enjoy the best possible connectivity options to multiple destinations and also plays a significant role in enabling greater people-to-people, investment, trade and tourism ties within Africa as well as with the rest of the World."

Acting Chief Commercial Officer at South African Airways, Aaron Munetsi, said, "We are delighted to be able to enhance our relationship with Ethio-

pian Airlines, Africa's fastest growing and most profitable airline. This enhanced codeshare agreement enables us to offer our mutual customers more destinations including Durban, Cape Town and Toronto as additions to the existing codeshare flights. This enables both airlines to offer our legendary reliable and world class service to our ever growing markets that demand customer focused service. We believe the partnership will be scaled up further in the future for the betterment of customer service."

Ethiopian Airlines and South African Airways announced the first codeshare agreement on 17, September 2003 and extended codeshare agreement on October 01, 2016 on destinations such as Cape Town, Durban and Toronto. More codeshare destinations will be added in the near future. ■

EVENT	DATE	VENUE
<b>The 4th China Aviation New Technology Forum (CANTF) 2017</b>	12 -13 April, 2017	Shanghai, China
<b>Civil Avionics International Forum 2017</b>	18 -19 April, 2017	Pullman Shanghai South Hotel, China
<b>Rotorcraft Asia 2017</b>	18-20 April 2017	Changi Exhibition Centre, Singapore
<b>Unmanned Systems Asia</b>	18-20 April 2017	Changi Exhibition Centre, Singapore
<b>MRO Americas</b>	25-27 April, 2017	Orange county convention centre, Orlando, Florida
<b>NBAA Maintenance Conference</b>	May 2- 4, 2017	Palm Beach County Convention Center, West Palm Beach, FL
<b>Civil Aircraft Industry International Forum 2017</b>	10-11 May 2017	Shanghai, China
<b>The 7th Airport Construction Summit</b>	10-12 May 2017	Shanghai, China
<b>China Aerospace Propulsion Technology Summit 2017</b>	24-25 May 2017	Shenyang, China
<b>2nd Philippine Airport Modernization &amp; Expansion Summit</b>	24th-25th May 2017	Manila, Philippines
<b>AP&amp;M Europe</b>	31 May- 1 June, 2017	Olympia, London, UK

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