MRO BUSINESS TODAY

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Honeywell's fuel tank safety module to protect Copa Airlines' fuel tanks from fire-risks

New Air Separation Module boasts faster install, seven-year warranty, reduced operational and maintenance costs for Copa Airlines

Copa Airlines has selected Honeywell to provide its Air Separation Module (ASM) kit for Copa's fleet of Boeing 737 aircraft. This new technology offering is a drop-in replacement for Copa's existing ASMs, which are installed on larger aircraft to help reduce the risk of fuel tank fires. Copa is the first airline to operate Honeywell's version of the safety system, which has one of the longest lifespans and warranties in the industry.

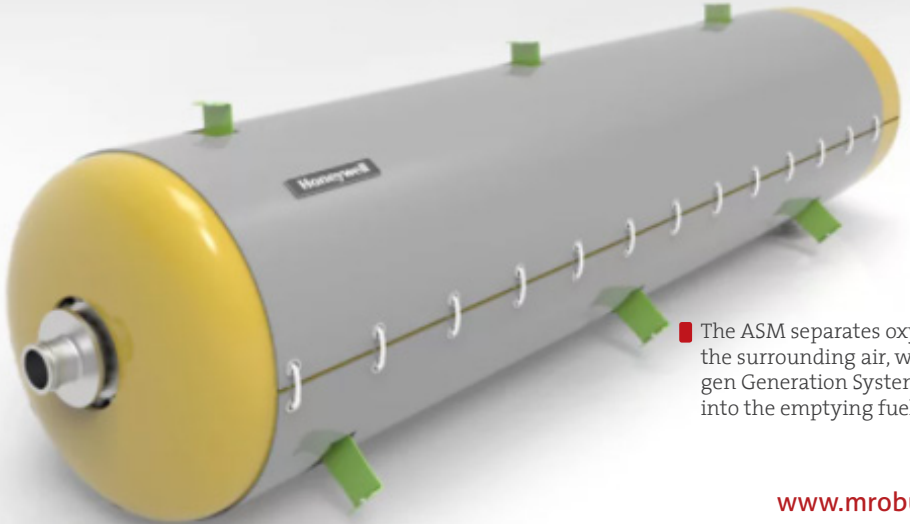
As an aircraft uses fuel and its fuel tanks empty, it is critical to decrease the risk of fire by reducing the amount of oxygen that fills that open space. The ASM separates oxygen from nitrogen in the surrounding air, which allows the Nitrogen Generation System to pump nitrogen into the emptying fuel tanks. Honeywell's ASM can be installed roughly six to eight hours faster than the current product from the original equipment manufacturer. This shortened installation time contributes to lower maintenance costs. Additionally, Honeywell's ASM has increased durability over other options currently installed in 737 aircraft and is designed to integrate with Honeywell's Nitrogen Generation System, which has been line-fit on every 737 built after 2008.

Rafael Samudio, Vice President of Technical Operations, Copa Airlines said, "Copa Airlines is one of the major international airlines providing service to, from and throughout Latin America. It is critical that we maintain operations and avoid any unexpected maintenance delays, while maintaining our corporate focus on cost control. The Honeywell Air Separation Module was a logical choice in improving on both efforts, and we are thrilled to be among the first airlines in the Americas region utilizing Honeywell's Air Separation Module, which will be a key integrator of many systems onboard our 737 fleet."

The Honeywell ASM was designed with a high-durability membrane construction to meet the needs of the demanding 737 operating environment. It is supplied as a kit and contains a new Honeywell ASM, complete with all needed blankets and brackets, and ozone destruct filter and instructions for installation.

Rafael Samudio, vice president of Technical Operations, Copa Airlines said, "For more than a decade, Honeywell has been a leading integrator of Nitrogen Generation Systems into air transport aircraft with the Air Separation Module being a key part of that system. As we recognized the need for a more durable, easier to install and longer lasting option, we decided to develop an ASM that incorporates the latest in membrane technology to prevent unexpected downtime and reduce overall operational costs for airline customers."

The ASM will provide lower installation costs for carriers, and with its increased durability, Honeywell is able to guarantee ASM life of seven years without replacement. Because Honeywell is the Nitrogen Generation System integrator, these kits can be combined into existing maintenance plans to further reduce overall customer operating costs.



The ASM separates oxygen from nitrogen in the surrounding air, which allows the Nitrogen Generation System to pump nitrogen into the emptying fuel tanks

Rolls-Royce delivered custom build 100th Pearl 15 engine for Bombardier Global 5500 and 6500

It was developed and built in Dahlewitz near Berlin, Germany and custom-designed for these aircraft, which have the longest range and the largest cabin in their category and feature

The engine is the first member of the successful Pearl engine family and the exclusive option for Bombardier's latest business jets, the Global 5500 and Global 6500.

Rolls-Royce has delivered the 100th Pearl 15 engine to Bombardier in Montreal, Canada. The engine is the first member of the successful Pearl engine family and the exclusive option for Bombardier's latest business jets, the Global 5500 and Global 6500. It was developed and built in Dahlewitz near Berlin, Germany and custom-designed for these aircraft, which have the longest range and the largest cabin in their category and feature. The engine was signature smooth ride technology.

Nuno Taborda, Senior Vice President Production Programmes, Rolls-Royce Deutschland, said, "This engine delivery milestone is important for us – demonstrating the programme's maturity and confirming our confidence in the potential of the Pearl family. I would like to thank everyone at Bombardier for their continued close teamwork with us to make this aircraft and engine such a great success."

Paul Sislian, Executive Vice President, Operations and Operational Excellence, Bombardier, added: "Thank you to the dedicated teams at Rolls-Royce for their innovation and commitment to excellence. This milestone delivery signals the success of the Global 5500 and Global 6500 business jets since their entry into service and the Pearl 15 engine contributes to providing our customers with an outstanding flight experience and a smooth ride."

The Dahlewitz site, which has delivered more than 1,800 engines overall to Bombardier to date, started production in June 1995 and today employs approximately 2,500 people. As Rolls-Royce's Centre of Excellence for Business Aviation engines, the site has an important role in our global manufacturing and development footprint.

In addition to the Pearl family, the BR710 and BR725 business jet engines are also assembled at the facility. Dahlewitz is also home to the development and testing of Rolls-Royce's new power gearbox for the UltraFan demonstrator. This demonstrator is the basis for a potential new family of UltraFan engines, which will be able to power both narrowbody and widebody aircraft and deliver a 25 per cent fuel efficiency improvement compared to the first generation of Trent engine.

PT6 E-Series engine achieves 15,000 flight hours powering Pilatus PC-12 NGX

The engine family's current flying population is more than 25,000 units and it has accumulated more than 425 million flight hours and counting.

The PT6 E-Series engine of Pratt & Whitney Canada has achieved a milestone of 15,000 hours of flight powering the Pilatus PC-12 NGX aircraft. The iconic PT6 engine occupies a unique place in the history of powered aviation and is used on more than 130 different applications today. The engine family's current flying population is more than 25,000 units and it has accumulated more than 425 million flight hours and counting.

Nicholas Kanellias, vice president, General Aviation, Pratt & Whitney Canada said, "The popularity of the new PT6E-67XP-powered PC-12NGX aircraft among buyers of turboprop business aircraft has brought us to 15,000 hours in a little more than a year since it was launched in October 2019. As the first engine in General Aviation to feature a dual-channel integrated propeller and engine control system, the PT6E-67XP engine is a key, new feature of this impressive and top-selling aircraft in the marketplace. It's another chapter in the PT6 engine family's long history of driving rapid, fundamental change and innovation in the industry. In as much as milestones are important to show the rapid progress of the engine, it's really been the feedback we're receiving from our customers that are most gratifying."

Each new model of engine is developed and designed for a mission, platform, and customer in mind, while continuing to build a more efficient, digitally connected engine with a shrinking environmental footprint.

In March 2021, the 100th PT6 E-Series engine rolled off the production line at Pratt & Whitney's PT6 Turboprop Engine Centre of Excellence in Canada. The milestone was reached more than a year into the challenges of COVID-19 and followed an exceptional effort by the P&WC team to bring the new production line into service.

ST Engineering bags two CFM56 engine heavy maintenance contracts

ST Engineering has delivered more than 10,000 engines and overhauled more than 1,500 CFM56 engines since 1999.

ST Engineering has recently secured two CFM56-7B engine MRO contracts. The first is an exclusive five-year contract from Alaska Airlines. This contract is an extension of an existing contract to provide engine heavy maintenance to Alaska Airlines' fleet of 14 Boeing 737-700 and 12 Boeing 737-900 aircraft. These services will be provided starting from 2022 at the Group's engine MRO facilities in Singapore.

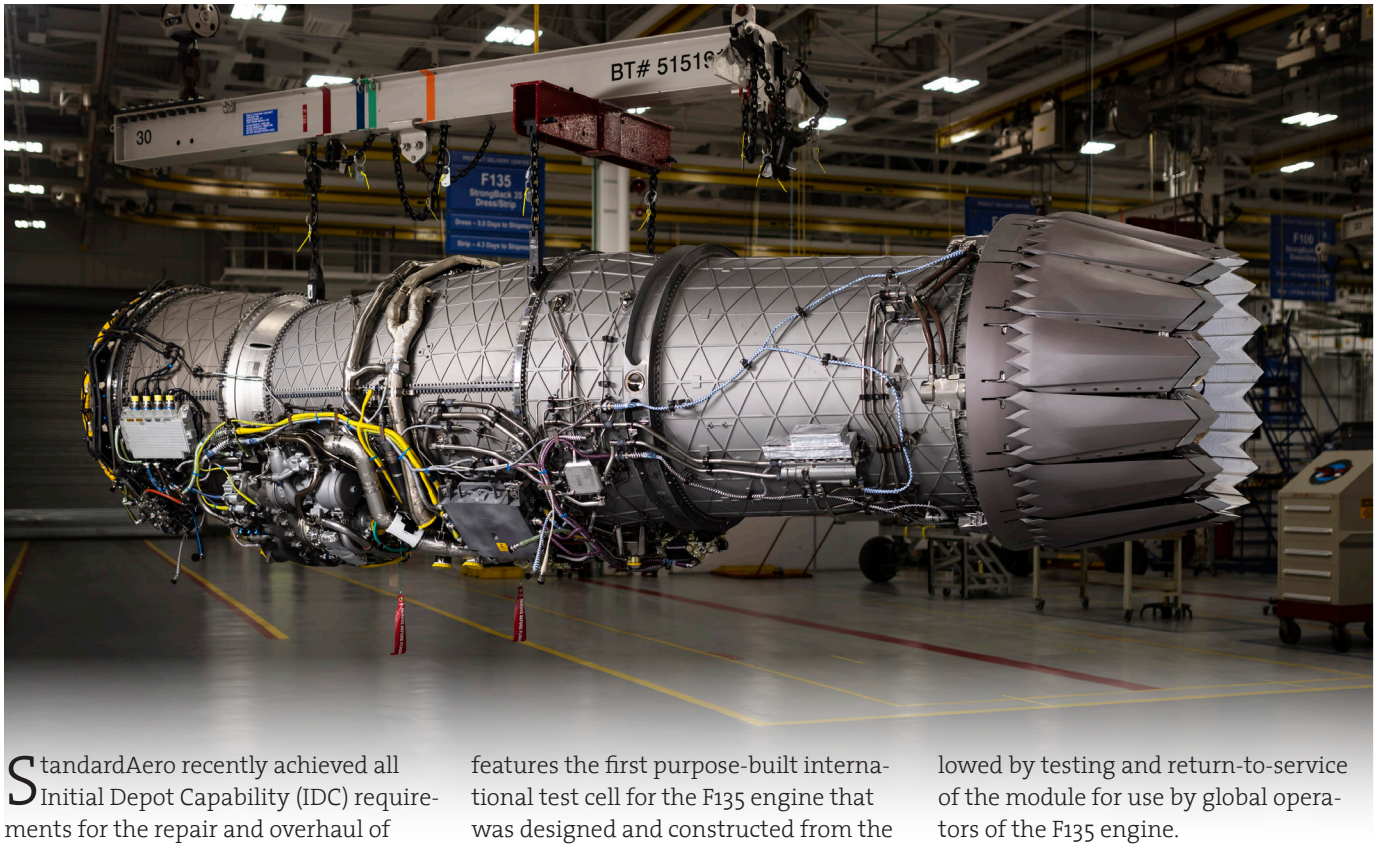
The second contract is also for engine heavy maintenance services, which is awarded by an Asian airline. Under the agreement, ST Engineering will service CFM56-7B engines that will be redelivered over a 12-month period from mid-2022 to mid-2023. These services will be provided at their engine MRO facilities in Xiamen, China.

Jeffrey Lam, President of Commercial Aerospace, ST Engineering, said, "ST Engineering takes pride in providing strong support to its customers and fulfilling its value proposition with flexible solutions that are customized to evolving needs. In return, many customers continuously place their trust in what we have to offer, which allows us to see them through their growth in good as well as challenging times."

ST Engineering's global network of aerospace facilities includes engine MRO facilities in Singapore and Xiamen, China, which have a combined annual capacity of over 450 engines to provide operators total engine support with flexible scheduling.

StandardAero achieved 'Initial Depot Capabilities' for repair and overhaul of Pratt & Whitney's F135 engine in Netherlands

With this the StandardAero's F135 MRO&U facility in Netherlands became the first fully operational F135 engine depot outside US



StandardAero recently achieved all Initial Depot Capability (IDC) requirements for the repair and overhaul of Pratt & Whitney F135 engine. With this the StandardAero's F135 MRO&U facility in Netherlands became the first fully operational F135 engine depot outside US. The F135 engine powers all three variants of the 5th Generation F-35 Lightning II fighter aircraft.

Marc Drobny, President of Military & Energy for StandardAero said, "Since our acquisition of DutchAero Services in March of 2015, we have been purposefully driving toward standing up our capabilities at LCW and operationalizing our F135 engine MRO services. We are proud to achieve the IDC milestone status and grateful for the collaborative efforts of all of our partners."

Prior to this the StandardAero's state-of-the-art 30,000 square foot facility at the Logistics Center Woensdrecht (LCW) of the Royal Netherlands Air Force achieved qualification for the assembly and disassembly capability for the F135's fan and power modules as well as engine test operations. This facility features the first purpose-built international test cell for the F135 engine that was designed and constructed from the ground up to support F135 aftermarket test operations.

O Sung Kwon, Vice President, Pratt & Whitney Military Engines Sustainment Operations said, "Congratulations to the joint industry and government team on achieving IDC for the Netherlands F135 depot. This critical sustainment milestone is the culmination of years of planning, construction, deployments, training and qualification. I'm exceptionally proud of how this team navigated the various challenges presented by the COVID-19 pandemic to standup this F135 MRO&U capability on-time for the customer."

With the declaration of IDC, the Netherlands depot will immediately begin supporting fan and power module repairs for the F135 engine fleet, providing increased capacity to the global F135 MRO&U network. Modules will be disassembled, repaired, and reassembled by StandardAero personnel with technical assistance from Pratt & Whitney, followed by testing and return-to-service of the module for use by global operators of the F135 engine.

The 5th Generation F135 is the most advanced and most powerful fighter engine in the world, featuring a host of performance attributes that deliver a step change in capability over 4th Generation engines. This includes 40,000+ pounds of thrust; a 50 percent increase in thermal management capacity enabling the full spectrum of F-35 weapons and sensor capabilities; a precise and responsive integrated engine control system allowing the pilot to focus squarely on the mission.

Additionally, the F135 is the most dependable fighter engine Pratt & Whitney has ever built in its 96-year history. With its advanced damage tolerant design and fully integrated prognostic health monitoring, the current F135 production engine has demonstrated a Mean Flight Hours Between Removal (MFHBR), which is the primary metric for reliability, that is more than two times the program objective.

Condor becomes launch customer in Germany for fuel efficient A330neo

The A330neo are powered by Rolls Royce Trent 7000 engine, the latest to join the Trent family

Condor has upgraded their fleet for long-haul network to America, Africa and Caribbean with 16 Airbus A330neo aircraft. These aircraft are powered by Rolls-Royce Trent 7000 engines which are known for maximum efficiency and sustainability.

The Trent 7000 builds on the unsurpassed performance of the Trent 700 and combines it with the engine technology of the Trent XWB, the world's most efficient aero engine in service. The Trent 7000 is the seventh and latest engine to join the Trent family, which includes Trent 500, Trent 700, Trent 800, Trent 900, Trent 1000, Trent XWB, and has clocked up more than 150 million engine flying hours in 26 years of operations.

Jacqui Sutton, Chief Customer Officer, Rolls-Royce Civil Aerospace said, "We are delighted that Condor has chosen the A330neo, powered by Trent 7000 engines, as it modernizes its long-haul fleet. With 14 per cent fuel burn improvement per seat compared to its predecessor, the highest bypass ratio of any Trent engine and a 99.9 per cent dispatch rate, the Trent 7000 will support the airline's ambitions to deliver greater efficiency and reliability as it moves towards its sustainability targets."

Supporting Condor's mission to build a more efficient fleet, the Trent 7000 is quieter and delivers a 14 per cent fuel burn improvement per seat compared to its predecessor. It is also ready to operate on Sustainable Aviation Fuels as they become more available to airlines in the future. As well as offering improved efficiency, the Trent 7000 provides 99.9 per cent dispatch reliability.

Ralf Teckentrup, CEO Condor said, "We are proud to be the German launch customer for the A330neo. Thanks to the latest technology and maximum efficiency of the aircraft and its engines, we will thus be taking off with our '2-litre aircraft' from autumn 2022 with a fuel consumption of 2.1 liters per passenger per 100 kilometers. With our modern long-haul fleet, we will inseparably combine sustainability and holidays with Condor in future. We are looking forward to our new aircraft and to a successful cooperation with Airbus and Rolls Royce as strong partners at our side."

Condor is the latest customer to take the Trent 7000, which entered into service in 2018 and has already built a reputation for efficiency, flexibility and reliability.

CAE expands its maintenance training abilities with acquisition of GlobalJet Services

The acquisition will provide CAE with approved training solutions on key programs and bring in a highly experienced team

CAE recently expanded its maintenance training capabilities with the addition of GlobalJet Services. This move has expanded CAE's capabilities by increasing its aircraft platform addressability for maintenance training through world-class, regulatory approved training programs. CAE will also leverage its experience in pilot training to enable its rapid growth in the maintenance training market.

Nick Leontidis, CAE's Group President, Civil Aviation Training Solutions said, "We are thrilled to integrate GlobalJet Services' capabilities and expertise in

maintenance training. This tuck-in acquisition is a great addition. Moving forward, CAE will be able to better serve global operators as they look for a one-stop-shop provider that can support their various aircraft fleet types."

Moreover, the acquisition will provide CAE with approved training solutions on key programs and bring in a highly experienced team. Well-aligned with the culture of CAE, GlobalJet Services is known for its strong customer service culture and high degree of quality.

CAE is committed to meeting the changing needs of its aviation customers around the world with services, technologies and a digital ecosystem solution that provide greater efficiencies and productivity.

Lufthansa Technik to carry out base maintenance for British Airways A380 fleet

The organizational skills, experience, technical knowledge and flexibility of both companies have led to the extension of this contract, which includes 12 year-checks for A380 aircraft.

Lufthansa Technik Philippines will manage the aircraft via AVIATAR, Lufthansa Technik's digital operations suite in order to track, coordinate and report on the checks

British Airways has extended its contract with Lufthansa Technik for Base Maintenance Services for its Airbus A380 aircraft. The contract will run from August 2022 for more than five years and includes services for the airline's 12 A380s to be performed at the Lufthansa Technik Philippines facility in Manila.

During the past five years, British Airways and Lufthansa Technik have worked closely together on the A380 Base Maintenance services and with both parties aligned to the same high standards of safety and professionalism. The organizational skills, experience, technical knowledge and flexibility of both companies have led to the extension of this contract, which includes 12 year-checks for A380 aircraft.

Dave Exon, Technical Director of British Airways said, "Safety is at the heart of everything we do and we're delighted to extend our existing A380 base maintenance contract with Lufthansa Technik as a result of the continued excellent standard of service provided by Lufthansa Technik Philippines. This agreement ensures that our A380 aircraft have secured slots for the foreseeable future."

Elmar Lutter, CEO of Lufthansa Technik Philippines said, "We are proud to continue our good relationship with British Airways by extending the Airbus A380 base maintenance contract for another five years. At Lufthansa Technik Philippines, we remain committed to servicing the A380 aircraft in the foreseeable future."

Lufthansa Technik Philippines will manage the aircraft via AVIATAR, Lufthansa Technik's digital operations suite in order to track, coordinate and report on the checks. The digital platform provides real time multi-user information access on the check status, including open items, next steps, completion level and many other functions, ensuring an additional layer of reassurance around the safety of all operations.

AvAir expands their client base by offering comprehensive solutions to IAI

The asset management program is a great option for ISI to maximize their return on the asset by tapping into the growing material demand

AvAir has signed an agreement with Israel Aerospace Industries to provide asset management solutions for more than 20,000 line items. With this transaction, AvAir will manage more than 20,000 line items including internal parts and accessories from IAI's core business lines, CFM56-3, CFM56-5B, CFM56-7B, V2500-A5 and PW4000 engines, along with airframe components for the A320 and Boeing family aircraft.

Kevin Lenz, SVP of Powerplants for AvAir said, "This past year we have been working diligently to increase our access to engine material to offer more comprehensive solutions to our clients. Our Asset Management Program was a great option for IAI to maximize their return on the asset by tapping into the growing material demand from our customers."

Shmuel Kuzi, Vice President and General Manager, of IAI Aviation Group said, "Over the years, we've accumulated a large inventory of surplus material and needed a company to sell the surplus material on a consignment basis. We are eager to begin our partnership with AvAir and create more liquidity for Aviation Group."

AvAir offers solutions for customers and suppliers to buy, sell, exchange, loan, lease, or consign inventories with more than 26 million in-stock parts.

Viking continues to place faith in Antavia for landing gear maintenance

Over the last few years, Antavia has developed a spare parts inventory of USD 10 million, strengthened its dedicated engineering and workshop teams, and added new machining resources.

Antavia AMETEK MRO and Viking Air Limited have renewed their comprehensive landing gear maintenance support for an additional three years. The agreement confirms Antavia as a Factory Endorsed Component Centre (FECC) and official repair station to support Viking's Canadair's fleet of CL215/CL215T/415/415EAF with landing gear.

Laurent Bouissou, Antavia's Managing Director said, "Antavia is committed to constantly enhancing the quality and timeliness of Viking's aircraft aftermarket support. We are close to the operational requirements of our customers and we know how important it is to return these aircraft to service. We strive to continually reduce our turnaround times by improving the availability of spare parts as well as by investing in our engineering methods and workshop organization. Antavia has demonstrated daily its ability to assist Viking in the operational management of the M+ program. This renewal is a symbol of the trust Viking places in us, which wouldn't have been possible without the focus, hard work, and dedication of the entire team."

With 20 years of experience and expertise, Antavia thus reaffirms its position as Canadair's landing gear maintenance leader, covering more than 60 per cent of the worldwide fleet. Viking continues to select Antavia as the preferred vendor to provide landing gear maintenance under the Maintenance Plus (M+) program, a maintenance program specifically developed by Viking to meet operators' requirements.

Benjamin Carson, Viking's Director of Customer Support Operations said, "We are happy to renew our agreement with Antavia as they share our commitment to customer satisfaction. Antavia is a natural fit for our FECC to provide our customers timely support in the region. Due to the critical operations of our Canadair fleet, we aim to ensure there are support services within the region to provide quick turnarounds."

Antavia's commitment to Viking, and to the aerial firefighting community as a whole, is shown through the company's continuous investment not only in the technical field, but in the human element as well. Over the last several years, Antavia has developed a spare parts inventory of USD 10 million, strengthened its dedicated engineering and workshop teams, and added new machining resources.

Porter's ambitious expansion plans with E2 jets backed by Embraer's Pool Program

The Total Support Program will include airframe, heavy maintenance checks, technical solutions, and access to the Pool Program for 20 years

Porter Airlines recently signed a Total Support Program contact with Embraer for airframe, heavy maintenance checks, technical solutions, and access to the Pool Program, which includes component exchanges and repair services for hundreds of reparable items for Porter's E2 fleet of commercial aircraft, for up to 20 years. Currently, the Pool Program supports more than 50 airlines worldwide. This agreement comer under the backdrop of Porter's major expansion plans in North America with a firm order of 30 E195-E2 jets and purchase rights for a further 50 aircraft. The first delivery and entry into service is expected to start by 2022.

Michael Deluce, President & CEO, Porter Airlines said, "This service agreement with Embraer is fundamental to Porter's operational success. During this very important moment in Porter's history, Embraer's expertise and support is crucial as we start operations with the E-Jets E2, since no one knows these planes better than the manufacturer."

The Pool services will be provided by Embraer Aircraft Customer Services (EACS) in Fort Lauderdale, Florida, while the heavy maintenance services will be performed by Embraer Aircraft Maintenance Services (EAMS) in Nashville, Tennessee. In the coming months, Embraer will work with Porter in order to provide services related to the aircraft entry into service (EIS) process, which includes technical training, spare parts recommendations, and provisioning services.

Johann Bordais, President & CEO, Embraer Services & Support said, "With this agreement, we will broaden and deepen our relationship with Porter. Embraer will provide all necessary support, long before the airline starts operations with the most efficient single-aisle aircraft in the world, the E195-E2. We are very proud of the trust and confidence that Porter has placed in Embraer's services and we're eager to start our work together."

Porter Airlines will be the North American launch customer for Embraer's E-Jets E2 family of commercial aircraft. Porter's investment is set to disrupt the Canadian aviation landscape by enhancing competition, elevating passenger service levels and creating as many as 6,000 new jobs.

The E195-E2 accommodates between 120 and 146 passengers. Configuration plans for Porter's E2s will be revealed in due course.

Joint package for China – 'Honeywell's hardware, Lufthansa Technik aircraft integration design and certification'

Based on the successful rollout of the JetWave Generation 1 hardware, Honeywell and Lufthansa Technik worked hand in hand to generate a solution for the Chinese market.

Lufthansa Technik achieved EASA STC certificate in China for an inflight connectivity solution on Airbus A320 family aircraft. This was validated by the Civil Aviation Authority of China based on the China-EU Bilateral Aviation Safety Agreement. With this the Chinese operators can made easy use of this satellite communication system with high-speed broadband Ka-band connectivity enabled in close cooperation with Honeywell.

Lukas Bucher, Head of Connectivity Solutions at Lufthansa Technik said, "This represents a milestone in the cooperation of CAAC and EASA in the field of commercial aviation connectivity, made possible by the China-EU Bilateral Aviation Safety Agreement (BASA). Based on a very light design and more than 300 installations, we can support very fast upgrades in less than 4 days and high maintenance inspection intervals; together we are offering very low and competitive operational costs to the airlines."

The EASA STC was validated by CAAC based on the Technical Implementation Procedures (TIP) for Airworthiness and Environmental Certification, a specification of BASA EU-China.

Xin Wang, Lufthansa Technik's Chief Representative in China said, "Chinese operators can tremendously benefit from our profound experience for in-flight connectivity modifications gained with European aircraft. Thus, we guarantee smooth processes as well as MRO support with reliable time frames."

The modular radome installation on the aircraft fuselage is ARINC 791 standard compliant and was optimized by Lufthansa Technik to minimize operational and maintenance costs for the airline. The installation is engineered, fully qualified and certified to meet the harsh conditions of continuous commercial airline operation. This includes, for example, optimized aircraft inspection cycles which are aligned with airframe specific base maintenance programs.

Jia Zhijun, Senior Director of Honeywell Connected Aerospace Asia Pacific said, "The MCS-8420 JetWave Satellite Communications System is designed to connect to China's Ka-band satellite network. This satellite communications installation enables high-speed cabin Wi-Fi for a better passenger connectivity experience. Additionally, it provides pilots with a better internet connection to support flight planning and management, which will help reduce fleet fuel costs, avoid aircraft delays and further enhance airlines' competitiveness and profitability in the global aviation market. Honeywell is currently advancing the certificate of MCS-8420 JetWave Satellite Communication Systems applicable to other aircraft models."

Based on the successful rollout of the JetWave Generation 1 hardware, Honeywell and Lufthansa Technik worked hand in hand to generate a solution for the Chinese market. The joint package includes China-specific adaptions of the Honeywell hardware and Lufthansa Technik's aircraft integration design and certification suitable for the Chinese market. Various software platforms are available, including the option for airline proprietary solutions so that the respective airline itself has full control. Aircraft specific material kits are available, including a large antenna radome. If needed, Lufthansa Technik offers installation services jointly with local Chinese partners.

The EASA STC was validated by CAAC based on the Technical Implementation Procedures (TIP) for Airworthiness and Environmental Certification, a specification of BASA EU-China.

Vallair expands MRO capabilities with in-house NDT techniques

NDT deals withinspection of an airframe structure and engine for surface and sub-surface cracks, impact damage, corrosion, and other irregularities

Vallair has augmented its MRO capabilities with the introduction of in-house NDT (Non-Destructive Testing). The capability will not only be available at Vallair's specialist MRO facility in Montpellier and the Aerostructure repair shop in Châteauroux, but also away from these locations worldwide, with both Form 1 and 8130 release available.

NDT techniques are necessary to determine whether an aircraft is airworthy. It is a broad category of inspection techniques, and is an important tool in aircraft maintenance, repair and overhaul (MRO). NDT includes the inspection of an airframe structure and engine for surface and sub-surface cracks, impact damage, corrosion, and other irregularities. These inspections must be done without having to dismantle components therefore minimising downtime.

Malcolm Chandler, Head of Commercial & Marketing for Vallair said, "Safety is the single most critical aspect of aviation. NDT is used throughout a product's lifecycle – from the qualification of new materials and the design of new aircraft to in-service inspections of aircraft structures and engines. The introduction of NDT in Montpellier is testament to our dedication to customer service. Currently we offer comprehensive repair capability, aircraft reconfiguration, painting & cabin refurbishment, as well as parking & storage. Previously, NDT was something that would be outsourced to third parties but had become difficult due to the restrictions surrounding COVID. The addition of NDT will allow Vallair to not only expand our capabilities but also enable us to be more flexible and better serve our customers by reducing turn-around-times."

Renaud Chastel, NDT manager for Vallair said, "Building the NDT department is a great challenge for me, and it will enable Vallair to be more efficient and responsive to the requirements of its customers. NDT is a guarantee of quality and safety, so it is reassuring for the customer to know that Vallair is able to offer the complete scope of the treatment for any damage assessment or structural diagnosis. Thanks to the excellent work of our Quality department, we received a D1 Rating in our MOE for NDT at the end of June enabling us to perform varied inspections. The MRO world is evolving and new challenges await us all. Vallair is well prepared to meet the opportunities that lie ahead."

Vallair's NDT capability will comprise eddy current inspections, ultrasonics inspections as well as penetrant testing.

APOC gears up with solid investment and expansion plans post COVID-19 pandemic

APOC is currently expanding their new facility in Berkel en Rodenrijs by adding 2500 square meter warehouse and technical inspection base.

APOC is all set on a growth trajectory and with a solid investment programme. Under this programme APOC is currently expanding their new facility in Berkel en Rodenrijs by adding 2500 square meter warehouse and technical inspection base. APOC specializes in narrowbody components and currently has four Boeing 737 airframes undergoing teardown which will balance its Airbus A320 family stock. Imminent arrival of these parts alongside the extensive investment in other aircraft assets, including landing gear and engines, over the past 12-18 months has brought forward APOC's expansion plans and stimulated further new stock hubs in Singapore and Miami.

Max Lutje Wooldrik, CEO – APOC said, "Irrespective of the impact of COVID-19 and the massive reduction in sales of aircraft parts across the industry worldwide, there have been opportunities to buy or take assets on consignment – not only at favourable prices, but also to partner with airlines and lessors to help them out. We believe that our infrastructure, customer network and inventory management technologies can deliver enormous benefits at this time. Having the right stock in the right place is essential. We can also be ultra-efficient in terms of shipping bulky items using overnight truck delivery rather than airfreight if it is more cost-effective."

APOC's European center in The Netherlands is the focus for process enhancements and streamlining stock management overall. The facility extension will not only house the warehouse team, but also APOC's technical experts for they have the most interaction.

EirTrade Aviation becomes first facility in Ireland to receive AFRA accreditation for aircraft recycling

AFRA is a membership-based global collaboration to elevate industry performance and increase commercial value for end-of-service aircraft

The disassembly of aircraft at Knock Airport ensures that over 95 per cent of the material from each aircraft is either re-used or recycled with any other harmful materials disposed of appropriately.

EirTrade Aviation has been recently awarded with Aircraft Fleet Recycling Association or AFRA accreditation. With this accreditation EirTrade has become the first and only AFRA accredited facility in Ireland. EirTrade's operations and expansion in the West of Ireland has created employment in the region and it expects its employee number to increase significantly in the near future as the organization continues its rapid growth. They have recently secured planning permission for the construction of a huge hangar at the facility which will be large enough to facilitate A380 aircraft and has also made an application for 145 Approvals with the Irish Aviation Authority which will increase the scope of EirTrade's service offering to its clients.

Lee Carey, VP Asset Management at EirTrade Aviation said, "The AFRA accreditation contains a very clear set of recommendations and best practices for aircraft recycling. EirTrade was already working to these standards however, the accreditation now reaffirms that to the market and provides an added level of comfort to our customers. EirTrade has always ensured that each aircraft disassembly at Knock delivers maximum efficiency and quality for our customers while taking the necessary precautions to ensure that the process is environmentally friendly and does not have any negative impact on the local eco-system. The discussions surrounding the environment and sustainability are very topical at present and this is very much a priority for EirTrade when disassembling aircraft."

The disassembly of aircraft at Knock Airport ensures that over 95 per cent of the material from each aircraft is either re-used or recycled with any other harmful materials disposed of appropriately. The material harvested from the aircraft is then used to support other operating aircraft. It is important to remember that every part that is reused mitigates the need for a new unit to be manufactured, which prevents a significant amount of carbon output. Customers can contract EirTrade for the disassembly of aircraft knowing that the whole process is conducted in an environmentally friendly manner. Furthermore, as a member of AFRA, EirTrade will now participate in developing the future of aircraft end-of-life.

Following removal, the team cleans the parts to remove any heavy dirt or fluids before packing and every component removed from the aircraft is crated in ISPM-15 standard crates for transport. Customers are also given access to a live report which gives them full transparency of the components removed from the aircraft at any point in time during the disassembly process.

EirTrade will further expand its disassembly capability as it commences CFM56 series engine teardowns in its Dublin facility in later in 2023.

Established in 2006, AFRA is a membership-based global collaboration to elevate industry performance and increase commercial value for end-of-service aircraft. AFRA represents companies from across the globe and throughout the supply-chain – from manufacturers to material recyclers. Through the collective experience of its members, AFRA's BMP Guide has significantly improved the management of end-of-life aircraft in terms of environmental and sustainable performance.

IAI and GECAS start the first structural modification of Boeing777 P2F conversion

This beginning of the conversion marks the end of the development process and the start of the structural and systems modification phase.

Israel Aerospace Industries (IAI) and GECAS have begun their first Boeing 777-300 ERSF Passenger to Freighter conversion as a part of USD 400 million agreements signed in 2019. The conversion process will take approximately 130 days, at the end of which the passenger aircraft will be turned into a freighter aircraft. The development process is complicated and highlights IAI engineers' extensive experience in aviation, with their envisioned goal of creating a cargo conversion aircraft that will have the high quality and capabilities providing clients with the optimal solution.

This beginning of the conversion marks the end of the development process and the start of the structural and systems modification phase. The passenger-to-freighter conversion includes changing the structure, which involves installing a new cargo door, replacing and strengthening the aircraft floor, installing reinforcements near the cargo opening, and modifying electrical systems to enable safe and convenient operation. In addition, the process will include receiving certification for the converted aircraft by the Civil Aviation Authority of Israel (CAAI), the Federal Aviation Administration (FAA), among others.

Executive VP of the Aviation Group at IAI Yossi Melamed said, "Two years ago, we took our first steps on the courageous journey of the cooperation agreement to convert the B777-300ERSF aircraft. Over the course of these past two years, we have invested thousands of hours coupled with engineering and logistical efforts, in order to reach this moment in accordance with the original schedule. Today, we are beginning the structural modification phase of the conversion. The demand for converting the B777 aircraft is high, and I expect that the open spots for conversions will be quickly filled. Since IAI does not have wide competition in the field of passenger to freight conversions, we expect to receive over 50 aircraft that will undergo conversion. I would like to thank GECAS for believing in IAI's abilities and vision, and to our suppliers for the support and assistance during this process."

Over the past few years, there has been an increased demand for cargo jets due to a rise in e-commerce, which has peaked during the COVID-19 pandemic, specifically for the B767 model. As of today, all the slots for converting the B767 are filled until 2022. IAI is the leading conversion center for cargo jets, and among its customers are market leaders including as Amazon, DHL, UPS and others.

Legends Airways place a firm order of 6 freighter converted Saab 340 from C&L aerospace

C&L is the leading Saab 340 aircraft supplier and seller in the world

Legends Airways placed a firm order of 6 Saab 340 Aircraft with C&L Aerospace. So far 2 aircraft are already delivered while the remaining 4 are scheduled for end if 2021. C&L will be converting these aircraft for freighter operations before delivery and will give parts and technical support to Legends Airways.

Jon Hierl, CEO of Legends Airways said, "We came to C&L not only because they had the aircraft inventory we needed, but also because they have the in-depth knowledge and experience needed to support the Saab 340. It just made sense to partner with the world's leader in Saab 340 sales and support."

The Saab 340 is a versatile aircraft in either passenger or cargo configuration. That, combined with the aircraft's superior performance in its class, makes it a popular aircraft for operators around the world.

C&L Aerospace not only has the aircraft inventory for Saab 340 but also has the in-depth knowledge and experience needed to support for the aircraft.

C&L CEO Chris Kilgour said, "We have been very pleased to work with Legends and assist them in the successful launch of these aircraft. Our commitment to be a one-stop solution for Saab operators has made us an ideal partner to meet Legends' requirements."

For over 20 years, C&L has been a leader in the aftermarket sale and support of the Saab aircraft. They stocks Saab inventory in their globally located warehouses and provides a one-stop solution for operators at the MRO facility offering heavy maintenance, aircraft paint, avionics upgrades, structural modifications, engineering support, and interior refurbishment.

E175 emerges as a right choice for rebounding domestic demand

The E175 aircraft will fly exclusively with Delta under a Capacity Purchase Agreement (CPA).

Embraer will deliver 16 new E175 jets to Skywest for the operation of Delta Air Lines network. These new jets will be an addition to the 71 E175 jets that SkyWest already operated for Delta. The E175 aircraft will fly exclusively with Delta under a Capacity Purchase Agreement (CPA).

President and CEO of SkyWest, Chip Childs, said, "SkyWest operates more E175s than any other carrier in the world. With these aircraft, we will have nearly 240 E175s operating with airlines in North America. This month we are proud to reach two million flight hours in the E175. Our customers love the E175, and we have great confidence in and appreciate our partnership with Embraer."

Mark Neely, VP Sales and Marketing, The Americas, Embraer Commercial Aviation, said, "Our superb partnership with SkyWest continues with this new provision for Delta. The E175 is the backbone of the North American regional market, and as the industry begins to emerge from the pandemic we are seeing growing long-term demand for rightsized aircraft to deliver profitable domestic connectivity. The E175 has been a lifeline for carriers as they are perfectly suited to rebuild routes, add frequencies, and add incremental capacity to meet rebounding domestic demand."

The contract is valued at USD 798.4 millions in which the 76-seat aircraft will be delivered in Delta's livery and will have a three-class configuration. Deliveries start in mid-2022.

Cathay Pacific's A321 neo cabins adorned with Panasonics latest 4K IFE

The latest inflight entertainment is ultra-high definition with enables Bluetooth audio streaming

Panasonic Avionics has launched the world's first full cabin 4K ultra-high-definition in-flight entertainment (IFE) with Cathay Pacific Airways. The service is launched on Cathay Pacific's new fleet of Airbus A321 neo. This marks the latest chapter in Cathay Pacific's longstanding partnership with Panasonic Avionics, which first commenced in 2007. In addition to introducing its Live Television service in 2016, Panasonic Avionics is the principal provider of in-flight entertainment systems for Cathay Pacific's fleet of over 130 aircraft.

Features of the latest IFE

- on-demand services with one of the largest movie and TV libraries
- Bluetooth audio streaming
- integrated technology which delivers highest quality pixel density

Ken Sain, Chief Executive Officer of Panasonic Avionics said, "Cathay Pacific has been a strategic and highly valued airline customer of Panasonic Avionics for many years. We are thrilled to help them take their passenger experience to the next level with the introduction of 4K content using our NEXT IFE system. We continue to work tirelessly to develop the highest quality resolution for our seatback screens, and the launch of 4K is the latest milestone in our 40-year long commitment to delivering the world's best in-flight entertainment and connectivity solutions to airlines and their passengers."

The new IFE experience will be featured in all cabins on Cathay Pacific's A321neo fleet. The economy class seats will feature 11.6-inch personal screens, while business class will feature 15.6-inch personal screens.

Vivian Lo, Cathay Pacific's General Manager Customer Experience and Design said, "We are excited with the launch of the most advanced in-flight entertainment system with our long-term partner, Panasonic Avionics, on our A321neo aircraft . We've always aimed to provide our passengers a comparable entertainment experience as what they would find at home. With the large screens and 4K ultra-high-definition viewing experience, passengers may enjoy our curated premium 4K content with their personal Bluetooth wireless headphones. We are determined to continuously elevate our passengers' travel experience, and today, we are marking a milestone with our new A321neo fleet."

The new 4K screens are an integral part of Panasonic Avionics' NEXT IFE Series, the industry's most powerful in-flight entertainment system. Incorporating the latest advancements in aircraft architecture, NEXT delivers an augmented cinematic experience and simplified seat integration for every cabin class.

Drones – An Introduction

Unmanned aerial vehicle, unscrewed aerial vehicle, unmanned aircraft system, flying robot, Remotely Piloted aircraft systems are different names of Drones. Of lately drones have gained tremendous popularity due to their easy and convenience of use. A drone is a basically a flying object, without a human pilot, crew or passenger. It can be remotely controlled through a ground based controller and a system of communications or it can fly autonomously through software-controlled flight plans in their embedded systems, working in conjunction with onboard sensors and GPS.

The term drone was first coined by British army Commander to refer to the aircraft in respect to the British Queen Bee. The term was fit since the drone could not function on its own and had to be controlled by someone on the ground. Abraham Karem is a pioneer in innovative fixed and rotary-wing unmanned vehicles and is regarded as the founding father of UAV (drone) technology. The first modern drone was the De Havilland DH 82B Queen Bee aircraft. It used a low-cost radio-controlled drone developed for aerial target practice in 1935.

What are drones made of?

- Carbon fiber-reinforced composites (CRFCs)
- Thermoplastics such as polyester, nylon, polystyrene, etc.
- Aluminum.
- Lithium ion batteries.

Israel was the first country to pioneer the use of UAVs for real-time surveillance, electronic warfare, and decoys. Since then drones are used in situations where manned flight is considered too risky or difficult. Drones provide the army with non-stop surveillance like the eye-in-the-sky. Military usage of drones has become the primary use in today's world. Used as target decoys, for combat missions, research and development, and for supervision, drones have been part and parcel of the military forces worldwide.

Drones can be used for a variety of tasks ranging from military use to parcel delivery, Humanitarian aid, GPS tracking, Law enforcement, Agriculture, Animal science and research, Anti-poaching and curbing wildlife crime, fighting illegal logging etc. They can be as large as an aircraft or as small as the palm of your hand. They are operated by Drone pilots or Remote pilots. They conduct safety tests, oversee vehicle performance, and assess drone systems' capabilities.

Types of Drones

- Multi-Rotor.
- Fixed-Wing. ...
- Single-Rotor Helicopter. ...
- Fixed-Wing Hybrid VTOL.

How do you know if a drone is spying on you?

If you think you're being spied on, the best way to confirm is by using a radio counter-surveillance system to track down the drone. It decodes the radio waves generated by the drone and makes a pattern to show where signals are emanating from.

The typical cost for a toy drone ranges from about USD 20 to USD 250. Camera Drones start at around USD 300 and go up from there.

Radars can detect all types of drones irrespective of the drone using an RF communication, GPS preprogramming or Wifi/Cellular communication. The only limit to radar detection is the size of the drone.

As per the latest survey China is found to have the best drone technology in the world. China's SZ DJI Technology Co is the largest drone manufacturer in the world. They introduced the Phantom I in 2013 followed by the compact and portable Mavic drone in 2016. By 2017 China took over around 72 percent of the global market for commercial drones.

Like everything else, Drones have evolved over the years, from bulky sizes to more compact structure fitted with advanced sensors and technology. In times to come drones will see more revolution in civil, military as well as commercial use; needless to say it might completely take over daily mundane human tasks like buying groceries or cleaning the house.

Embraer's Electric Vertical Aircraft to support Fahari Aviation, UAS division of Kenya Airways

This partnership will foster long-term mobility strategies throughout the country and region

Eve Urban Air Mobility Solutions signed a Memorandum of Understanding with Kenya Airways, the flag carrier of Kenya, through its fully owned subsidiary Fahari Aviation. This collaboration aims to develop operational models for the wide-accessibility of Urban Air Mobility (UAM) to support Fahari Aviation's key markets. In addition, this partnership will establish the co-creation of a foundation of concepts and procedures to safely scale electrical vertical takeoff and landing (eVTOL) aircraft, also known in the market as EVA (Electrical Vertical Aircraft).

Eve will support Fahari Aviation, the Unmanned aircraft systems (UAS) division of Kenya Airways that promotes safe and secure UAS usage in the region, in establishing its UAM network and collaborate on the required Urban Air Traffic Management (UATM) procedures and UAM operating environment.

Andre Stein, President & CEO of Eve, "We are thrilled to partner with Kenya Airways to provide new forms of air mobility throughout the region for both people and goods. The creation of disruptive and widely accessible Urban Air Mobility solutions will help democratize mobility by making it more accessible, affordable and giving communities more options. This partnership will foster long-term mobility strategies throughout the country and region. With our aircraft and aerospace services backing and Kenya Airways' innovative approach to air mobility, we are enthusiastic about opening this region to more sustainable and community-friendly air access for all."

This partnership will also allow Fahari Aviation to support Eve's aircraft and product development process which will help guide the integration of UAM with Kenya Airways' overall operations. Eve's fully electric aircraft is designed to be accessible to all while being a community-friendly aircraft with a low noise signature and no emissions. It aims to drastically cut road travel time. It is ideally suited as a UAM aircraft bringing all traditional aviation travelers closer to their final destination efficiently and comfortably.

Allan Kilavuka, Group Managing Director and CEO of Kenya Airways said, "Partnerships are vital in mapping out the future of our airline, something which the global crisis has reinforced. Innovation is a critical element of our long-term sustainability. Fahari Aviation is at the forefront of exploring advanced technologies, with a key focus in aviation, starting with drone technology. With this partnership, we look to develop innovative air mobility solutions for our clients in Kenya and throughout the region."

The partnership will deliver a robust strategy to provide Fahari Aviation's passengers with a sustainable, accessible, and affordable transportation option. It is estimated that using UAM from the airport to downtown, EVA can reduce conventional road trips by up to 90 per cent turning an hour and a half ride into a 6-minute flight.

'Drones' – Changing the future of outdoor aircraft inspections

Mainblade successfully conducted an outdoor drone inspection of A330 at an active airfield for the first time in Europe

In the United States, drones are already used for pilot projects in front of hangars, they have never before flown outside of an active airport in Europe.

In the latest achievement by Mainblades, a fully automated outdoor airport drone inspection of a commercial aircraft was performed at an active airfield for the first time in European history. This airfield is an active military airport environment on which an Airbus A330 was made available for a drone inspection by aircraft owner Truenoord. This autonomous inspection of an Airbus A330 was arranged in cooperation with Fokker Techniek, Truenoord as well as the Dutch Drone Centre / Aviolanda at the airbase Woensdrecht. Currently, Mainblades operates inside hangars only due to airport limitations regarding the use of drones.

Mainblades Chief Technology Officer Jochem Verboom said, "In the United States, drones are already used for pilot projects in front of hangars, they have never before flown outside of an active airport in Europe. That is going to change in the future."

Dejan Borota, Co-founder and Director of Mainblades said, "If an aircraft lands and it is damaged on the way, for example by lightning or birds, it must now first go to a closed location such as a hangar. That way you lose a lot of time. Besides this, hangar space is expensive to rent and not always available. And that while a drone inspection can also take place in the open air. Most airline operators want to inspect the aircraft in a minimum amount of time to reduce ground time and to optimize the fleet availability to have the aircraft in the air."

Of lately the second party or MRO independent maintenance organizations and even lessor companies are showing interest in these technologies.

Aris Promos, head of Marketing and Sales at Fokker Techniek said, "Drones can make these processes much more efficient and coherent amongst all involved stakeholders. We see time saving, we see money saving and we see less subjectivity, because we are working with human beings." The demonstration in Woensdrecht was a full success. "Today we were able to prove that drones hold more advantages than just the time savings. All in all it was a great day and we are excited to continue to showcase our technology to the aviation community moving foward."

Aviation is a very innovative and technology driven industry. But still, in 2021 it is mandatory to have paper records in place. Technologies such as drones will continue to develop and will help to modernize aircraft maintenance services.

uAvionix received FAA's Technical Standard Order for Drone GPS receiver

This GPS is the first of its kind to specifically target UAS platform navigation and surveillance solutions.

UAvionix Corporation recently received a Technical Standard Order from FAA for their Global Positioning System receiver for Unmanned Aircraft Systems. This GPS is called the truFYX is capable of Satellite-Based Augmentation System and Wide Area Augmentation System. Also it is the first of its kind to specifically target UAS platform navigation and surveillance solutions.

Characteristics of truFYX

- It provides critical component to enable safe navigation and airspace integration
- It is small in size and weighs only 20 grams
- It includes the receiver, antenna, and DO-160G power supply, and interface protection circuits.
- It is a Class Beta 1 GPS which enables truFYX to be the primary position source for domestic en-route and terminal navigation
- It is also the primary position source for ADS-B OUT solutions

It reduces position error by implementing a strict Receiver Autonomous Integrity Monitoring / Fault Detection and Exclusion engine, and processing advanced SBAS messages designed to improve accuracy and integrity. These systems combine to detect unhealthy GPS satellite transmissions and remove them from the position calculation, providing critical differentiation from a typical commercial GPS receiver.

New technology introduced at Miami International Airport to detect, track and identify drones

TSA will review a range of security and surveillance technologies that are able to detect, track and identify UAS operations by radar, thermal imaging, and artificial intelligence.

Drones pose a threat to aviation security when flown into certain restricted spaces. Considering this the Transportation Security Administration (TSA) has begun its initial test technology at Miami International Airport that will detect, track, and identify (DTI) drones entering restricted airspace. MIA is chosen as the testbed for this operation due to ongoing perimeter intrusion technology pilot as well as the strong existing partnerships with the airport.

Daniel Ronan, Federal Security Director with the Transportation Security Administration said, "TSA's establishment and management of this assessment of UAS detection technologies is a critical part of our agency's overall strategy to collect data for further deployments of equipment at US airports.

Jim Bamberger, TSA Counter-UAS Capability Manager said, "The UAS threat to airports has increased exponentially over the last several years, which is why it is vital we begin assessing the effectiveness of UAS DTI technologies in live airport environments. We are thrilled to partner with MIA on such a mission critical project that will pave the way for future technology assessments and help protect airports nationwide against UAS threats."

Drones and other UAS are used for a wide range of commercial and recreational purposes. While many are equipped with Global Positioning System (GPS) software that prevents their use in restricted locations, there are many operators who do not follow rules and safety restrictions and consequently pose a security and safety risk to individuals, infrastructure and airplanes in the national airspace (NAS).

Daniella Levine Cava, Mayor of Miami-Dade County said, "Congratulations to MIA for being selected as the test airport for this historic security effort by our federal government. Miami-Dade County is fortunate to be the home of not only one of the nation's leading airports in passenger and cargo operations, but also in security and safety."

In support of the Department of Homeland Security's (DHS) role in UAS security, TSA is collaborating with airport, local law enforcement, and intra-agency partners including the DHS Science & Technology Directorate (S&T) to test the effectiveness of certain technologies that can detect, track and identify UAS threats in aviation, surface, and related transportation domains. The technologies will be evaluated in laboratory and operational field environments. During the test at MIA, TSA will review a range of security and surveillance technologies that are able to detect, track and identify UAS operations by radar, thermal imaging, and artificial intelligence.

Ralph Cutié, MIA Interim Director said, "We are extremely proud to be chosen by TSA for this landmark test of drone detection technology, which will reap unprecedented security benefits for MIA and our sister airports across the country. We look forward to bolstering our strong partnership with TSA through this new initiative, as we continue to advance our shared priority of enhancing the safety and security of our passengers, employees and business partners."

Throughout the MIA test bed process, equipment will be tested and evaluated, and the data collected will be shared with the interagency and industry stakeholders for further evaluation and assessment. The information and data collected from the test will assist with finding effective solutions that mitigate the risks that unauthorized UAS operations pose to the nation's transportation system

Advanced Aircraft Company enters unto unmanned systems market with Hybrid Advanced Multirole UAS

The high-performance gas-electric hybrid propulsion system and aerodynamic airframe designs enable long-endurance operations from HARM

Advanced Aircraft Company recently launched the latest Hybrid Advanced Multirotor Unmanned Aircraft System (HAMR). This UAS has a multirotor configuration with a hybrid gas-electric propulsion system for extended endurance and multiple, simultaneous payload capabilities. This ambitious project was funded by Shenandoah Valley Angel Investors with an investment of USD 850,000 and CIT Gap Funds.

Bill Fredericks, founder and CEO of AAC said, "After four years of development, testing and validation, we are proud to announce our entry into the unmanned systems market with HAMR. Our high-performance gas-electric hybrid

propulsion system and aerodynamic airframe designs enable long-endurance operations. This provides a significant competitive advantage to our customers by doubling the productivity of their pilots."

George Pace, Founder, Shenandoah Valley Angel Investors said, "First, AAC has developed a hybrid drone solution that brings great value to the commercial drone sector by significantly increasing flight time. Second, company Founder Bill Fredericks, a former NASA aerospace engineer and Marine Officer who served in Afghanistan, brings deep knowledge, leadership, and energy, which are critical for success."

Advanced Aircraft Company was founded in 2017 by Bill Fredericks, a former NASA aerospace engineer and US Marine Corps veteran. It is a developer of long-endurance hybrid-electric unmanned aircraft systems designed for a wide range of commercial, defense and public safety applications.

Air Methods teams with Wingcopter to provide drone-based healthcare deliveries in US

Air Methods will deploy fleets of Wingcopter's new flagship delivery drone, the Wingcopter 198

Air Methods recently introduced a new drone solution to improve healthcare access and minimize supply challenges. The solution is called as Spright and is in collaboration with Wingcopter. This new solution aims to provide drone-based healthcare-specific delivery network across US. This solution is flexible, rapid distribution network designed with 21st-century technology.

This new drone delivery network will improve access to urgently needed medical supplies for healthcare providers and the communities they serve. Air Methods will deploy fleets of Wingcopter's new flagship delivery drone, the Wingcopter 198. The Wingcopter 198 is a state-of-the-art autonomous eVTOL delivery drone that enables safe, reliable, fast, and bi-directional medical deliveries. It is designed to provide maximum flexibility and ease of use in operations. The drone has a range of up to 68 miles, a maximum speed of 90 mph and can carry a payload of up to 13 lbs. Therefore, the Wingcopter 198 is an excellent choice to make Spright's visions a reality.

The delivery network will be built around Air Methods' existing infrastructure of more than 300 bases, serving hundreds of hospitals, across 48 states in predominantly rural areas.

JaeLynn Williams, CEO of Air Methods said, "The COVID-19 pandemic exacerbated some of the real challenges in our health care system creating an opportunity to find better solutions to extend access to healthcare, especially in rural America. That is why we are doing what Air Methods' does best, taking to the skies, using the latest in technology and drone innovation, delivering hope and facilitating healing with speed and efficiency that was previously unimaginable. We see Spright serving a vastly underserved market and playing a huge role in a future full of better outcomes for everyone."

This fall, Spright will be kicking off this endeavor by partnering with Hutchinson Regional Medical System, in Hutchinson, Kansas for the launch of an initial pilot project using Wingcopter's delivery drones.

Tom Plümmer, Co-Founder and CEO of Wingcopter said, "We are thrilled to team up with Air Methods to create a life-saving drone delivery network throughout the United States. Our technology has been used globally to effectively deliver medical supplies, for example insulin in Ireland, children's vaccines in Vanuatu, emergency medication in Malawi, and just recently, blood samples in Germany. Our vision to 'save and improve lives' resonates perfectly with Air Methods' legacy of providing lifesaving care, combined with Spright's ambition to improve the quality of healthcare across the U.S. by deploying fleets of Wingcopters, and we are excited about scaling this together."

Today, Air Methods serves as the US' largest and most experienced FAA Part 135 Operator. Combining this operational experience with Wingcopter's cutting-edge delivery drone technology gives Spright a unique ability and the resources to dramatically improve medical supply chains.

EHang's thrilling firefighting and emergency rescue service drill with advanced UAV

Ehang's autonomous aerial vehicle included the EH216F – firefighting model, the EH216 and Falcon B series.

EHang Holdings Limited recently collaborated with the local Emergency Management Bureau, Fire Rescue Brigade and other departments to complete the unmanned aerial vehicle fire rescue drill in Shandong Province of China. The high-rise firefighting and emergency rescue exercises were carried out with smart emergency rescue and aerial firefighting technologies. Ehang's autonomous aerial vehicle included the EH216F – firefighting model, the EH216 and Falcon B series.

This is the first time for EH216F to be applied by emergency fire departments in a fire drill after it has successfully completed the technical examination by the China National Fire-Fighting Equipment Quality Supervision Testing Center.

Mr. Huazhi Hu, Founder, Chairman and CEO of EHang said, "The fire rescue drill in Laixi city, Qingdao, demonstrated the practical utilization of EHang to support smart city emergency response and firefighting management in air firefighting and rescue scenarios. EHang provides a new solution based on our core AAV technologies for intelligent aerial fire emergency rescue through integrating multiple functions such as aerial fire detection, fire extinguishing, rescue, emergency and firefighting management, etc. In the future, this can be expected as a fundamental element in building a lifeline for more urban high-rise firefighting scenarios and power the optimization of smart city emergency response and firefighting management systems."

The drill replicated a high-rise fire scenario on a construction site. The Emergency Command Bureau of Laixi City quickly dispatched multiple EH216F, EH216, and EHang Falcon B Series to provide emergency air support. The dispatched aircrafts successfully completed tasks such as fire detection, aerial broadcasting, airdropping emergency firefighting supplies, breaking high-rise windows and extinguishing fires, and rescuing trapped persons among other functions as solutions to critical pain points in urban high-rise firefighting and greatly improve emergency rescue and firefighting efficiency.

This fire drill is based on the authentic lack of capabilities in local high-rise emergency rescue and firefighting forces, fully demonstrating the advantages of UAVs in high-rise rescue, such as breaking through space limitations, rapid response, remote monitoring, cluster management, multi-machine linkage, and avoiding casualties.

Meanwhile, AAVs also supplement the UAV emergency rescue and firefighting force in Laixi City, Qingdao, helping to establish an efficient unified command, prompt response, and orderly coordination UAV emergency rescue and firefighting linkage mechanism. This would provide more accuracy for more effective auxiliary decision-making in handling emergencies and improve the overall capabilities of urban emergency rescue and firefighting forces.

Chorus Aviation to lease two Dash 8-400 to Connect Airlines

These two aircraft are the last two remaining Dash 8-400s previously operated by Flybe and repossessed by CAC in 2020

The delivery of the aircraft is expected in September and November 2021.

Chorus Aviation Capital (CAC) has entered into an agreement to lease two Dash 8-400 aircraft to Connect Airlines. The delivery of the aircraft is expected in September and November 2021.

Steven Ridolfi, President, CAC said, "We are delighted to welcome Connect Airlines to our family of lessees and look forward to building a strong partnership with this new and exciting US scheduled passenger carrier."

John Thomas, Chief Executive Officer of WMA said, "We commend the team at CAC for supporting our launch of Connect Airlines. Connect's selection of the venerable and Canadian-built Dash 8-400 turboprop aircraft demonstrates our confidence in its passenger and operational advantages."

Joe Randell, President and Chief Executive Officer, Chorus said, "I'm proud of the Chorus team's collaborative efforts in finding opportunities and delivering integrated solutions to remarket our aircraft in this challenging environment. Our decades of experience as a regional operator together with our expertise in providing a full suite of regional aviation services differentiate Chorus from the competition."

These two aircraft are the last two remaining Dash 8-400s previously operated by Flybe and repossessed by CAC in 2020. Inclusive of the previously announced transactions with Cobham and Sky Alps, CAC has now remarketed and successfully placed all the repossessed Dash 8-400 aircraft. All aircraft underwent reconfiguration and return-to-service work at Chorus' subsidiaries, Voyageur Aviation and Jazz Technical Services.

Aerospheres welcome Magnetic MRO to consignment program

The new partnership will increase the overall supply chain effectively and allow to meet the customers' needs in time

Magnetic MRO have extended their Chemical Consignment agreement with Aerosphere UK. As per the extended partnership Magnetic MRO will cover supply chemical and adhesives required for maintenance tasks. Aerospheres own materials will be stored in Tallinn, Magnetic MRO stock starting from August 2021.

Natalja Lagno, Strategic Purchasing Manager at Magnetic MRO said, "I am glad to see this partnership has evolved during time and now both of the companies decided to extend it – it is indeed a welcome step! New partnership will increase the overall supply chain effectively and allow to meet our customer's needs in time, and we are happy to have such partners as Aerospheres on-board with us."

Awab Ibrahim, Head of Sales at Aerospheres said, "We are delighted to welcome Magnetic MRO to our consignment programme. It will not only reduce scrappage and create economies of scale for them but will also ensure real-time stock availability especially in time sensitive situations. A great customer to service and partner with and we look forward to supporting them even further."

As the average delivery time of hazardous materials from United Kingdom to Tallinn is 10-11 days from placing purchase order till completing of incoming goods inspection, the Chemical Consignment agreement provides the solution how to drastically decrease delivery time to virtual the same-day delivery.

Air Lease Corporation to lease 10 young A320 to Allegiant

These leased A320 aircraft will complement Allegiant's all-Airbus fleet and support their growing North America operations.

Air Lease Corporation announced the long term lease placement for ten used Airbus A320-200 aircraft with Allegiant.

Steven F. Udvar-Házy, Executive Chairman of Air Lease Corporation said, "We are pleased to announce this lease placement for ten used Airbus A320s with new customer, Allegiant. These young A320 ALC aircraft will complement Allegiant's all-Airbus fleet and support their growing North America operations."

Robert Neal, Allegiant's Senior Vice President for Corporate Finance and Treasurer said, "Bringing these ten aircraft into Allegiant's fleet provides a number of advantages aligned with our unique business model and goals. As young, sharklet-equipped sister ships, they will not only afford efficient induction into our all-Airbus fleet, but will also provide years of utilization beyond the typical life of previously-operated aircraft. This transaction will be a valuable component of our fleet plan for 2022 and beyond."

The aircraft are scheduled to deliver to the airline beginning in fall 2021 through summer 2022.

Avelo Airlines next step into digitization, adopts GE digital's data solutions

GE Digital's Aviation Software is delivering breakthrough business outcomes for aviation customers in safety, sustainability, fuel efficiency, predictive maintenance, and pilot performance

Avelo Airlines recently adopted GE Digital's Electronic Flight Operations Quality Assurance (eFOQA) flight data monitoring and processing solution that helps airlines and operators fully leverage flight data to optimize safety. eFOQA Mainline is GE Digital's flagship FOQA/Flight Data Monitoring (FDM) and data processing solution. It includes a full library of more than 10,000 pre-built algorithms that enable limitless analytics customization and data processing.

Andrew Coleman, General Manager of GE Digital's Aviation Software business said, "GE Digital industrial software helps our customers embrace the future of flight through sustainable operations, applying proven aviation practices to emerging technologies, and adapting to an increasingly digital world. We are delivering breakthrough business outcomes for our aviation customers in safety, sustainability, fuel efficiency, predictive maintenance, and pilot performance."

With eFOQA Mainline, users can view broad trends and drill down to specific flights to identify hazards and monitor mitigation efforts. Studies of maintenance and Standard Operating Procedure (SOP) compliance are possible with easy-to-use tools requiring no knowledge of coding. Once the data is processed, Tableau, a data analytics platform from Tableau Software, can visualize the results in interactive, web-based presentations. eFOQA Mainline provides high value to airlines with unlimited access to GE Digital Aviation Software's Event Measurement System (EMS) for safety analysts.

Michael J. Quiello, vice president of safety, security, and operational excellence at Avelo Airlines said, "GE Digital will allow Avelo to optimize our internal practices and processes related to operational safety. By effectively automating our systems with GE Digital, our team will spend more time building useful safety studies. This will allow us to tailor our standards and training programs to maximize our overall safety efficacy."

eFOQA tracks and monitors safety performance by providing users with clean, accurate data with fewer false positives and higher confidence in the results, as well as automated data processing and error detection that helps airlines save time and reduce costs. The solution seamlessly controls how and where data flows throughout the organization.

Avelo Airlines will leverage flight data to achieve best-in-class safety and efficiency standards, enabling participation in cutting-edge safety programs in partnership with the Federal Aviation Administration (FAA).

Norse expands leasing relationship with BOC Aviation, orders six B-787 Dreamliners

The delivery of these aircraft is Norse's plan to grow their fleet and organization building

Norwegian carrier Norse Atlantic Airways has placed a firm order of six used Boeing 787-9 Dreamliners with BOC Aviation limited. All six aircraft are powered by Rolls Royce Trent 1000 TEN engines and are scheduled for delivery in the fourth quarter of 2021

Robert Martin, Managing Director and Chief Executive Officer, BOC Aviation said, "We are delighted to welcome Norse as a new customer as we support the airline's plans to serve the low-cost intercontinental market with fuel-efficient Boeing 787 Dreamliners. We look forward to building on this new relationship with Norse and working with the airline on its future fleet requirements. This transaction is also a testament to BOC Aviation's strong aircraft placement capabilities throughout the business cycle."

Bjørn Tore Larsen, founder and Chief Executive Officer of Norse said, "We are pleased to expand our leasing relationships to include a lessor the calibre of BOC Aviation as we grow our fleet and continue to build our organization for take-off. We very much look forward to welcoming customers on both sides of the Atlantic on board these state-of-the-art aircraft as soon as demand for transatlantic travel resumes."

Condor to renew its long-haul fleet with latest widebody Airbus A330neo

Condor will operate the A330neo on its international long-haul network to the Americas, Africa, the Caribbean and Asia.

German airline Condor Flugdienst has chosen the A330neo to renew its long-haul fleet with plans to introduce 16 aircraft of this new and more efficient type. The airline has signed an agreement with Airbus for the purchase of seven Airbus A330neo, and intends to lease a further nine.

Condor is the latest airline to order Airbus' state-of-the-art A330neo widebody aircraft, bringing a step-change in performance and economics. The airline will operate the A330neo on its international long-haul network to the Americas, Africa, the Caribbean and Asia.

Christian Scherer, Airbus Chief Commercial Officer and Head of International said, "Condor excels in operating profitably many routes no other carrier is able to; we are proud to see a demanding airline such as Condor selecting our latest-technology A330neo as the aircraft of choice, building the future of their widebody fleet in the relentless pursuit of lowest operating costs and passenger comfort. By operating the A320 and A330neo aircraft side by side, the airline will benefit from all the commonality economics these two premium products offer, with the embedded flexibility to address new and existing markets with the right-sized, right-efficiency aircraft."

Christian Scherer added, "The A330neo has won a thorough competition yet again, as it has in the vast majority of competitive evaluations these last three years. The decision by Condor to modernize its long-haul fleet with A330neos will also set a new benchmark on the airline's trajectory towards more sustainable flying. We thank and applaud Condor for confirming the competitive value of the A330neo."

Condor CEO Ralf Teckentrup said,"We are proud to be the German launch customer for the A330neo. Thanks to the latest technology and maximum efficiency of the aircraft, we will be taking off with our new plane from Autumn 2022 with fuel consumption of just 2.1 litres per passenger per 100 kilometres. With this value, we are the front-runner in Germany and, as the most popular leisure airline, we will consistently continue to interweave the themes of sustainability and holidays."

Ralf Teckentrup added, "On board, our customers can expect the highest levels of comfort in a brand new Business Class, Premium Economy Class and Economy Class. We are looking forward to our new aircraft and to the successful cooperation with Airbus as a strong partner by our side."

The Airbus A330neo is a true next-generation aircraft, incorporating the latest A350 technologies, with A330 profitability and Airbus commonality. Equipped with the stunning Airspace cabin, the A330neo offers a unique passenger experience, brimming with the latest in-flight entertainment systems and connectivity.

The A330neo is powered by Rolls-Royce Trent 7000 engines and features a new wing with increased span and A350-inspired winglets. The aircraft also provides an unprecedented level of efficiency, with 25 per cent lower fuel-burn and CO_2 emissions per seat than previous-generation competitors. Thanks to its tailored, mid-sized capacity and excellent range versatility, the A330neo is considered the ideal aircraft to support operators in their post-COVID-19 recovery.

Air Austral becomes first French operator of Airbus A220 in Indian Ocean

Air Austral has selected the Airbus A220-300 as part of its medium and short-haul fleet modernization plan

Air Austral recently took delivery of the first of three Airbus A220 from the Airbus Final Assembly Line in Canada. The second and third aircraft are expected to join the Air Austral fleet in the coming days. Airbus is delighted to welcome Air Austral as a new Airbus customer and operator. This A220 will be the first of the type to be operated by a French airline in the Indian Ocean region.

Air Austral has selected the Airbus A220-300 as part of its medium and short-haul fleet modernization plan in order to boost its operational efficiency, offering an enhanced passenger experience in a comfortable two-class cabin layout with 132 seats: 12 in business class and 120 in economy-class.

Bearing the airline's distinctive livery representing La Reunion Island's beautiful landscapes, Air Austral will strengthen its regional network with three A220-300s, flying on routes between La Réunion Island and Mauritius, Mayotte, Seychelles, South Africa, Madagascar, and as far as India.

Powered by latest-generation geared turbofan engines, Pratt & Whitney PurePower PW1500G, the A220 is the quietest and most eco-friendly aircraft in its category. The aircraft features a 50 per cent reduced noise footprint compared to previous generation aircraft, 25 per cent lower fuel burn and CO2 emissions per seat as well as 50per cent lower NOx emissions than current industry standards.

To date over 160 A220s have been delivered, operating routes in Asia, North America, Europe and Africa, proving the great versatility of Airbus' new generation single-aisle family member.

SKY becomes the first A321neo operator in Chile

SKY's A321neo aircraft are powered by CFM Leap-1A engines and can seat up to 238 passengers in a two-class layout.

SKY, a Chilean-based low-cost carrier, has taken delivery of its first A321neo leased from Air Lease Corporation becoming the first airline in Chile to operate the A321neo. SKY's A321neo aircraft are powered by CFM Leap-1A engines and can seat up to 238 passengers in a two-class layout. SKY is the first airline in South America to operate the A321neo with a high density cabin configuration.

The A321neo has a 95 percent airframe commonality with Airbus' A320 Family, fitting seamlessly into SKY's existing fleet of 19 A320neo. This aircraft incorporates new generation engines and Sharklets, which together deliver more than 20 percent fuel and CO2 savings, as well as a 50 percent noise reduction. Additionally, The A321neo shares a common type rating with other members of the Airbus A320 Family, which allows A320 Family pilots to fly the aircraft without additional training.

The A321neo will allow SKY to further expand their route offering in Latin America in the near future.

SKY has been an Airbus customer since 2010 and became an all-Airbus operator in 2013. The A321neo will allow SKY to further expand their route offering in Latin America in the near future.

Airbus has sold over 1,100 aircraft and has a backlog of nearly 430 aircraft to deliver in Latin America and the Caribbean. Currently, Airbus has over 660 aircraft in operation throughout the region, representing approximately 60 percent market share of the in-service fleet. Since 1994, Airbus has secured nearly 70 percent of net orders in the region.

First of Boeing's P-8A Poseidon successfully completed first flight

The aircraft flew for 2 hours, 24 minutes, reaching a maximum altitude of 41,000 feet during the flight from Renton Municipal Airport to Boeing Field in Seattle

The first flight marks the next phase of the production cycle of this aircraft as it is moved to the Installation and Checkout facility

The first of five Boeing P-8A Poseidon aircraft for Norway recently performed its maiden flight. The aircraft took off from Pacific Time and flew for 2 hours, 24 minutes, reaching a maximum altitude of 41,000 feet during the flight from Renton Municipal Airport to Boeing Field in Seattle. The first flight marks the next phase of the production cycle of this aircraft as it is moved to the Installation and Checkout facility, where mission systems will be installed and additional testing will take place before final delivery to the Norwegian Defense Materiel Agency (NDMA) later this year.

Christian Thomsen, P-8 Europe program manager said, "This inaugural flight is an important milestone for Norway, and the Boeing team remains committed to delivering the P-8 fleet to the NDMA on schedule. The P-8 is capabilities that will help Norway improve anti-submarine warfare, anti-surface warfare, intelligence, surveillance and reconnaissance, and search-and-rescue missions, in addition to fostering valuable regional collaboration and interoperability with NATO nations."

The five P-8As will eventually replace Norway's current fleet of six P-3 Orions and three DA-20 Jet Falcons. The Royal Norwegian Air Force currently operates its P-3s from Andoya Air Station. With the introduction of the P-8s, flight operations will move to new facilities at Evenes Air Station.

To date, Boeing has delivered 136 P-8 aircraft to the US Navy, the Royal Australian Air Force, the Indian Navy and the United Kingdom's Royal Air Force. Norway is one of eight nations that have selected the P-8A as their maritime patrol aircraft, along with the United States, India, Australia, the United Kingdom, Korea, New Zealand and Germany.

Sikorsky to provide logistics support for Brazil Air Force' Black Hawk Helicopters

Multi-year agreement simplifies and speeds access to spare parts and engineering knowledge

Sikorsky recently received a four year contract from Brazilian Air Force to provide logistics support for the service's 16 UH-60L Black Hawk helicopters. The contract will improve fleet sustainment resulting from local storage of commonly required spare parts, assistance from a regional Sikorsky field service technician, and direct technical support from Sikorsky Engineering

Felipe Benvegnu, director of Sikorsky sustainment business development said, "We thank the Brazilian Air Force for selecting Sikorsky to provide the highest level of logistics support for its Black Hawk helicopter fleet. Local storage of spare parts will eliminate long lead times for material that would keep an aircraft on the ground. Close collaboration with Sikorsky engineers, whether virtual or in person, also will help the Air Force maintainers improve the readiness rates of these utility aircraft for important missions, such as search and rescue."

The Brazilian Air Force acquired its 16 Black Hawk aircraft via Foreign Military Sales between 2006 and 2013.

The Air Force contract is modeled after a multi-year logistics support agreement between Sikorsky and the Brazilian Army. In 2019, after previous agreements with the Army, the flight availability rate of the four Army S-70A (UH-60L equivalent) Black Hawk aircraft reached a 100 percent readiness.

The Air Force contract is modeled after a multi-year logistics support agreement between Sikorsky and the Brazilian Army

Jennifer H Allen promoted as Chief Administrative Officer at Triumph Group

In her new role, Jennifer will look after human resources and information technology functions as well as her existing legal and compliance activities.

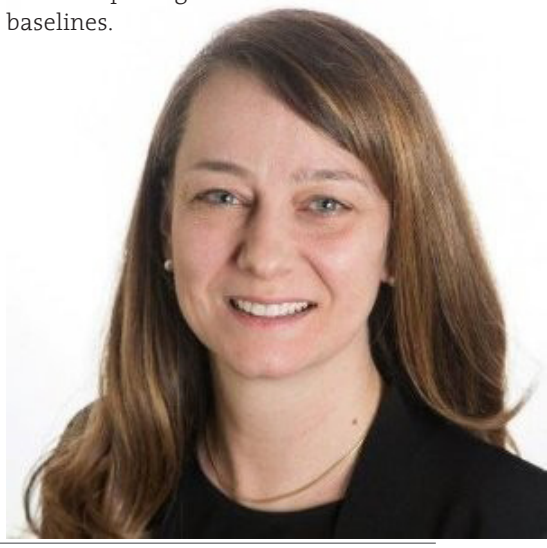
Triumph Group recently promoted Jennifer H Allen to the newly created position of Chief Administrative Officer. Prior to this she was Senior Vice President, General Counsel & Secretary. In her new role, Jennifer will look after human resources and information technology functions as well as her existing legal and compliance activities.

Ms. Allen joined the Triumph Group in September of 2018 as General Counsel and has helped reshape the Group's program and business portfolio. She also has been involved in Triumph's debt retirement, refinancing and equity offering activity. More recently, she assumed leadership of the Company's Environmental, Sustainability, and Governance efforts.

Daniel J. Crowley, Triumph's Chairman, President and Chief Executive Officer, said, "An outstanding leader and manager, Jenn has the demonstrated ability to drive transformational change while living Triumph's core values. A key asset to the Company and our stakeholders and advocate for diversity and inclusion, Jenn is helping Triumph attract and retain the best talent. In her new role, she will bring together the teams who are dedicated to our people, law, security, information technology, compliance, and inclusion to work toward our future state objectives. Jenn is the right person to advance Triumph's strategy and continue transformation of these functions."

Mr. Crowley continued, "I would also like to thank Lance Turner, Triumph's Chief Human Resources Officer, as he leaves Triumph to relocate in connection with his family's planned move to California. Lance's work to modernize Triumph's human resource practices and processes, and to upgrade our talent, has been key to our operational and financial turnaround."

Separately, Stacey Clapp has been promoted to Chief Commercial Officer and Vice President of Contracts, reflecting his many contributions to improving Triumph's business practices and contract and pricing baselines.



Toni Freeberg appointed as MD, Sales at Alaska Airlines

Freeberg is also the recipient of Alaska Airlines highest honor – the Customer Service Legend Award.

Toni Freeberg is appointed as managing director of sales at Alaska Airlines. The 34 year old airline veteran will take over the responsibilities from Mark Bocci who will retire from Alaska Airlines.

In her new role, Freeberg will set the strategy and oversee corporate and specialty sales, and further champion the integration into the oneworld global alliance. As managing director of sales, she will drive our West Coast international initiatives and corporate partners, travel management companies and small business programs. Additionally, she'll work with our airline and corporate customers to create partnerships that reduce the climate impact of corporate business travel.

Andrew Harrison, Alaska Airlines chief commercial officer said, "Toni's extensive airline experience and expertise managing complex business initiatives during both the Virgin America integration and Alaska's entry into oneworld, make her incredibly well suited to lead our sales organization. Likewise, her decades of corporate sales leadership will help us unlock the value of oneworld and our West Coast International Alliance with American Airlines and deepen our partnerships with travel management companies at a transformational time for the airline."

Freeberg is also the recipient of Alaska Airlines highest honor – the Customer Service Legend Award. Nominated by their peers, Legends personify our company's values of spirit, resourcefulness, integrity, professionalism and care.

International CALENDAR

2021

Date	Event	Venue
31 Aug 01 sept	ISTAT Asia	Millenia, Singapore
14- 16 Sept	Aircraft Interiors Expo	Virtual
11-14 Sept	ACPC Conference	Atlanta, GA
15-16 Sept	MRO Russia	Moscow
20-24 Sept	MRO Asia pacific	Virtual
22-23Sept	17th Maintenance Cost Conference (MCC)	Montreal, Canada
03- 05 Oct	ISTAT EMEA 2021	Edinburgh, Scotland
05-06 Oct	Helitech World Expo	London
12-14 Oct	NBAA Business Aviation Convention & Exhibition	Las Vegas, NV
19-21 Oct	MRO Europe	RAI Amsterdam, The Netherlands
01-04 Nov	Aerospace Incubator	Miami, FL
14-16 Nov	ISTAT Americas 2021	Austin, TX
14-18 Nov	Dubai Air Show	DBC, Dubai

2022

Date	Event	Venue
27-28 Jan	Aero-Engines Americas	Miami, FL
09-10 Feb	MRO Latin America	Cancun, Mexico
15-20 Feb	Singapore Airshow	Singapore
22-23 Feb	AIME 2022	Dubai, UAE
22-23 Feb	MRO Middle East	Dubai, UAE
03-04 Mar	PBExpo	Miami, FL
06-09 Mar	World Defense show	Riyadh, Saudi Arabia
07-10 Mar	HAI Heli Expo	Dallas, TX
28-31 Mar	AEA International Convention & Trade Show	New Orleans, USA
26-28 Apr	MRO America	Dallas, TX, USA
03-05 May	NBAA Maintenance Conference	San Antonia, TX
23-25 May	EBACE	Geneva, Switzerland
07-08 Jun	Engine Leasing, Trading & Finance	London, UK
22 Jul	AERO South Africa	South Africa
06-08 Oct	Istanbul Airshow	Istanbul Atatürk Airport, Istanbul

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