

## Weekly Aviation Headline News

### WORLD NEWS

#### WestJet Cargo inaugurates B737 freighter operations

WestJet Cargo and the GTA Group have inaugurated the launch of three 737-800 Converted Freighters at an event in Toronto. The event marked the start of a dedicated cargo service designed to fulfil the large-scale needs of businesses, freight forwarders, shippers and individual customers across an expanding network. WestJet Cargo and GTA's dedicated freighters will now begin operating between six stations in Halifax, Calgary, Los Angeles, Miami, Toronto and Vancouver.

#### Norse Atlantic Airways joins Vueling Global platform

Spanish low-cost airline Vueling has announced the addition of Norse Atlantic Airways to its Vueling Global platform, powered by technology provider Dohop. Vueling's interline platform relies on Dohop's API-based technology, which automatically generates the best flight options and fares for the airline's customers through a unified booking process based on their departure and arrival airports. The Norwegian carrier is the 18<sup>th</sup> partner to connect with Vueling via the platform, which was launched in June 2021.

#### Frontier Airlines rolls out Accelya revenue management solution

Accelya have announced that US low-cost carrier Frontier Airlines now benefits from Accelya's market-leading revenue management ('airRM') solutions. Following a successful trial, the Denver-based airline has implemented Accelya's Revenue Management, inventory control, and reporting tool to unlock revenue opportunities across all its routes. Frontier joins the likes of Ryanair in deploying the solution.



The AviTrader team at MRO Americas in Atlanta.

### MRO Americas brings out spirit of growth

Significant focus on aftermarket, training and technology

It was a packed three days in Atlanta, Georgia last week with the AviTrader Publications team attending the 2023 instalment of MRO Americas. The event was a fantastic opportunity to meet and greet industry colleagues and clients and share some of the exciting news coming from the industry.

We attended the launch of a major new initiative from AkzoNobel Aerospace Coatings that has the potential to radically change how major fleet operators are addressing their painting regimes, enhance sustainability, and

reduce the time aircraft spend on the ground. The launch is just one part of a series of announcements that will be made over 2023 from its new aerospace business solutions operation. The day before MRO Americas kicked off, a ground-breaking ceremony was held at Cincinnati/Northern Kentucky International Airport in partnership with Epic Flight Academy to build a new aircraft mechanic training facility. This new school will create a pipeline of students to become aircraft mechanic technicians and help bridge the gap of any skilled labour shortages.

AFI KLM E&M and SkyThread, un-

veiled the result of more than a year of collaboration and launched a new solution for managing aircraft components data, based on SkyThread's blockchain and aviation data expertise and AFI KLM E&M's component support know-how – "Blockchain, as a database is a great tool to reinforce data governance at a community level, and that's what we need to unlock those trust barriers to al-

lly pride ourselves in the ability to do that," says Scott Butler, the Chief Commercial Officer at Ascent.

In other presentations, we heard from Tom Eskola, the VP and General Manager of Panasonic Technical Services (PTS) about how they are helping drive strategic outcomes for airlines by creating optimal flight experiences for passengers and creating efficient operations. The primary

objective here is to offer customised maintenance solutions, giving operators greater peace of mind by ensuring guaranteed performance

and cost. By using a proactive maintenance approach, this keeps fleets operating at top performance levels and utilising performance tools on and off-wing, and scheduling cabin checks to detect any system anomalies, its team finds and corrects most defects that have gone unreported. We also heard from NLS Aerospace, distributor of aerospace adhesives and sealants - undoubtedly, the unsung heroes of the aviation aftermarket. The company has enlarged the range of aircraft replacement parts and repair materials it now offers as well as expanded its global presence.

**"The full transition services are very hard to come by in the market and we really pride ourselves in the ability to do that."**

*Scott Butler, the Chief Commercial Officer, Ascent*

low us to share that data value," AFI KLM E&M told AviTrader.

In other highlights, Ascent Aviation Services told AviTrader exclusively that they are seeing opportunities in areas like lease transitions, especially now that retirements are coming back, and operators are re-tooling with new aircraft - "The full transition services are very hard to come by in the market. It takes a lot of coordination on both the customer side and the leasing companies as well as the operators and has all the services in between in addition to heavy maintenance, components and possibly paint too and we re-

## AIRCRAFT & ENGINE NEWS

### NAC executes lease agreement for one ATR 72-500F with NyxAir

Nordic Aviation Capital (NAC) has executed a lease agreement for one ATR 72-500F with NyxAir. NyxAir is an Estonian airline headquartered in Tallinn and operates scheduled flights and ACMI, charter and cargo flights.

### VAS Aero Services acquires four additional narrow-body aircraft for teardown

VAS Aero Services (VAS), is a specialist in aviation logistics and aftermarket services. Recently, the company announced that it has secured two Airbus A320 aircraft and two Boeing B737-700 aircraft for teardown and parts harvesting. This brings the company's total acquisitions in less than 12 months to 25 Airbus and Boeing airframes and 13 engines for teardown and parts harvesting. By acquiring these aircraft, VAS Aero Services is increasing its inventory of Airbus and Boeing Used Serviceable Materials (USM) parts. This move solidifies the company's position as a leading provider of USM parts and solutions to the global aviation marketplace. The CEO of VAS Aero Services, Tommy Hughes, believes that these investments in airframe and engine teardowns will assure that the company will have superior, high-demand USM parts for its customers around the world as well as for newly secured market channels. He also notes that these acquisitions demonstrate the increased capabilities created by the company's relationship with Satair, a stand-alone subsidiary of Airbus. Overall, VAS Aero Services' recent acquisitions demonstrate the company's commitment to providing quality USM parts and solutions to its worldwide customer base of airline operators and leasing companies.

### SR Technics and Safran commence construction of second test cell for GTF, LEAP and CFM56 engines

Leading MRO service provider SR Technics and Safran Test Cells, an offshoot of Safran Aero Boosters, have commenced construction of a second test cell to increase test capabilities at Zurich Airport in Switzerland. This follows on from the 2022 contract signed with IAE to become a member of the global MRO network that maintains the new Pratt & Whitney turbofan engine PW1100G-JM "GTF". Alongside Safran Test Cells, Flughafen Zurich AG, and local architects and engineers, SR Technics is aiming to revitalise and redesign its second test cell to meet aerodynamic and acoustic requirements for the testing of the new engine types: PW1100G-JM, LEAP-1A & -1B as well as CFM56-5B & -7B. "Test Cell 2" will be enlarged

### Copa Airlines unveils expansion plans for 2023



Copa Airlines has unveiled its expansion plans for 2023 © AirTeamImages

Copa Airlines, a member of the Star Alliance airline network and a subsidiary of Copa Holdings, S.A., has announced its expansion plans for 2023. The airline intends to strengthen the Hub of the Americas®, its primary connection centre in the region, by expanding its network of destinations, increasing flight frequencies, and improving its fleet of aircraft. According to Pedro Heilbron, Chief Executive Officer at Copa Airlines, the company has been investing in Panama for

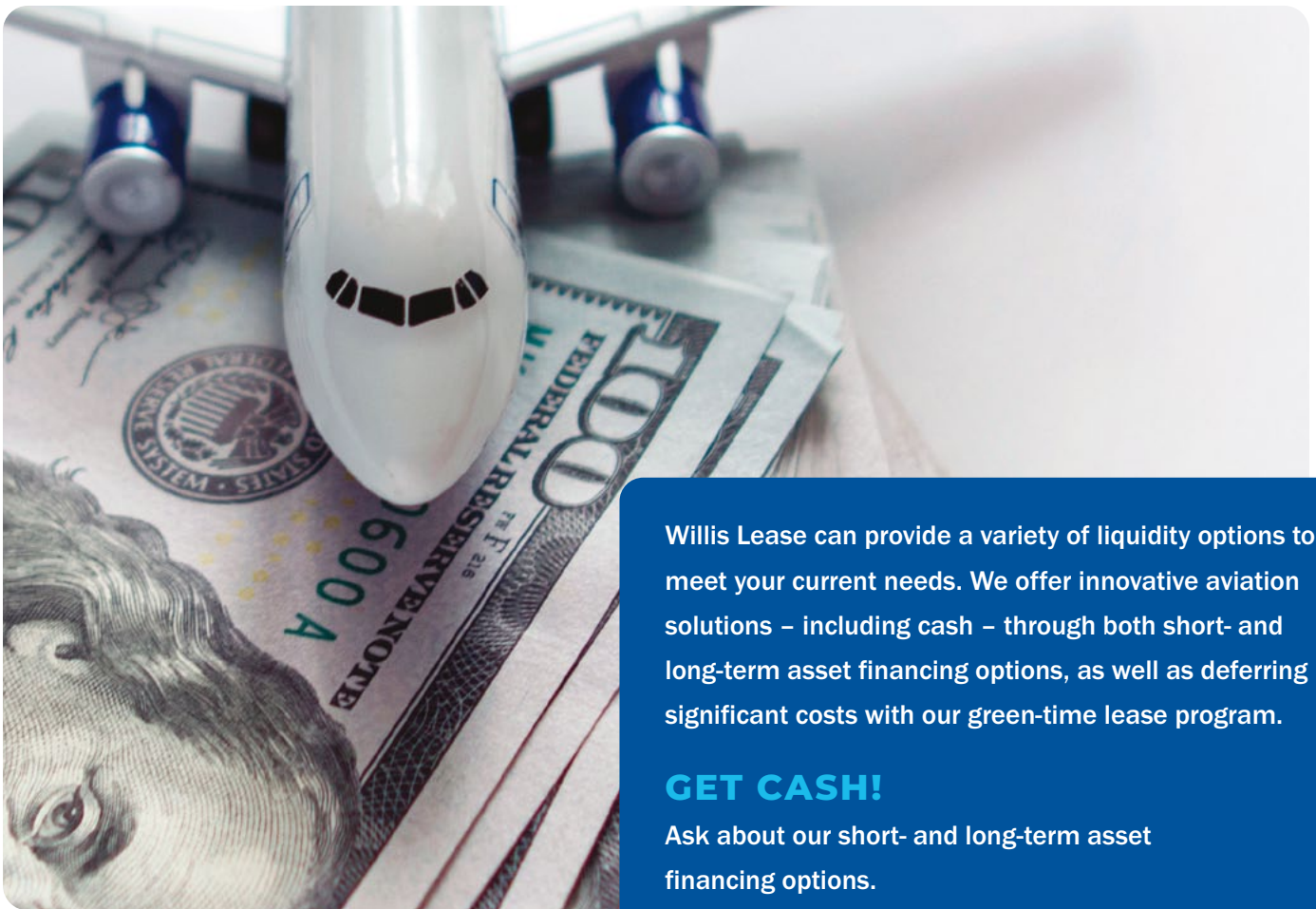
over 75 years, which has helped them become the leading airline in the region. By turning the Hub of the Americas® into Latin America's preferred connection centre, Copa Airlines has contributed significantly to the economic, social, and tourism sectors of both Panama and Latin America. To continue to thrive in a complex and competitive environment, the airline seeks to boost its growth, generate jobs, and increase its direct contributions to the country's economy. As part of its expansion plans, Copa Airlines has confirmed the recent addition of 15 new B737MAX aircraft, an investment of US\$2.1 billion (£1.7 billion), to its existing 2015 order. These aircraft are expected to be delivered within the next five years. The airline also plans to receive six additional Boeing 737 MAX9s in 2023, bringing its current fleet to a total of 99 airplanes. This fleet comprises 32 B737 MAX9s, 58 B737 800NBs, and 9 B-737-7000NGs. Copa Airlines is also planning to refurbish the training fleet of the Latin American Aviation Academy (ALAS) by acquiring eight new Diamond DA40/42 airplanes. The aircraft will be equipped with cutting-edge technology, making the learning process more efficient while adhering to the highest safety standards. Additionally, these aircraft are eco-friendly and consume up to 50% less fuel than the ones being replaced, promoting a greener and more sustainable future for the airline industry. Furthermore, Copa Airlines has announced the acquisition of a fifth B737 MAX flight simulator to enhance its pilots' training. This new addition will increase the airline's training capacity, helping it meet the growing demands of the airline.

to a seven-by-eight-meter cross-section and will include state-of-the-art data acquisition and instrumentation systems, with a testing capacity for over 200 engines per annum. Additionally, SR Technics and Safran Test Cells have focused on environmental compatibility and sustainability when designing Test Cell 2, introducing fit-for-purpose equipment for the lowest energy consumption and innovative technology, such as thermal waste heat recovery. Entry into service is planned for mid-2024. After this ground-breaking ceremony, local contractors will partially demolish and rebuild Test Cell 2 over the next few months as planned. Safran Test Cells will simultaneously provide and install all the necessary aero-acoustic elements and systems for testing the respective engines. Jean-Marc Lenz, Chief Executive Officer at SR Technics stated: "The ground-breaking is the first milestone of the growth path of SR Technics. Our goal is to double our business in the next five years. We are building infrastructure in Zurich, opening new production facilities and increasing our workforce with around 500 people within the next few years to extend our capabilities for the maintenance, repair and overhaul services for the GTF and LEAP engines."

### Aventure Aviation acquires eighth Boeing 737NG this year

Aventure Aviation has recently purchased its eighth Boeing 737NG airframe, which was previously operated by China Airlines and will be dismantled at Jetyard in Marana, Arizona. According to Ebrahim Zakaria, the VP of Business Development at Aventure Aviation, the acquisition timing is perfect as passenger bookings are exceeding pre-pandemic levels, and the supply chain is struggling to get parts to customers. This trend of providing more savings on maintenance is leading to increased opportunities to support airline and cargo customers with critical 737NG inventory. Aventure Aviation's experience in dismantling and its significant global customer base enable it to provide unique global aviation investment platforms for investors, leasing companies and owners. The company offers solutions to deploy capital, provide asset management services, and material consignments for stakeholders, which is beneficial for airlines looking to maximize their return on investment for fleets nearing retirement.

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## MRO & PRODUCTION NEWS

### AerSale signs lease agreement for new facility at Millington-Memphis Airport

AerSale Corporation (AerSale) has signed a lease agreement with the Millington Airport Authority for an existing aircraft hangar and ramp space to establish a maintenance, repair, and overhaul (MRO) facility at Millington-Memphis Airport. The AerSale MRO operation will utilize a 112,000 ft<sup>2</sup> hangar capable of fully housing two narrow-body aircraft with back-shop capability and approximately three acres of ramp space. The existing facility will undergo a significant remodel, which will include upgrades to the current infrastructure as well as the addition of new office space and is expected to be completed by Q1 2024. Once operational, the Millington-Memphis location will be AerSale's sixth MRO location in the United States and its second location in Tennessee. According to Nicolas Finazzo, AerSale's Chief Executive Officer, Millington-Memphis Airport is an ideal site for the company's continued expansion, with its central U.S. location, 8,000-ft runway, and logistical advantage of being close to several major cargo operator hubs and a short drive to AerSale's parts distribution centre in Memphis. The new AerSale MRO centre will provide narrow-body maintenance, modification and heavy MRO activity, as well as wide- and narrow-body storage and disassembly. Additionally, the facility will be capable of providing MRO services for structural components and other aircraft components. Executive Director Roy Remington welcomed AerSale's expansion, stating that it will bring world-class aviation services to Millington and the greater Memphis area.

### Ryanair to invest €40 million in new aircraft maintenance facility in Dublin

Ryanair has announced plans to expand its aircraft maintenance facility at Dublin Airport with the construction of a new state-of-the-art four-bay hangar – a €40 million investment and the creation of over 200 new and high-skilled jobs for engineers and mechanics. This new 120,000 ft<sup>2</sup> hangar will be one of the most environmentally friendly hangars in the EU with gas absorption heat pumps reducing energy use by up to 35%. The hangar will facilitate the heavy and line maintenance of Ryanair's fleet at Dublin Airport as the airline grows its fleet to 600 aircraft with the delivery of more-efficient new-technology 737-8200 "Gamechanger" aircraft, which carry 4% more passengers while burning 16% less fuel and emitting 40% less noise. Construction of the new facility will commence in the fourth quarter of 2023 with aircraft maintenance operations planned to start in the second quarter of 2025. Ryanair CEO, Eddie Wilson, commented: "As Ireland's No.1 airline,

## AIRCRAFT & ENGINE NEWS

### Arrival of 'Dreamliner' will spur Austrian Airlines' modernisation of long-haul fleet



© Boeing 787-9 Dreamliner

The arrival of ten Boeing 787-9 Dreamliner, an aircraft of the newest generation of technology – will spur the modernisation and growth of the Austrian Airlines long-haul fleet. The first aircraft will be landing beginning 2024 in Vienna and will expand the flag carrier's fleet to 66 aircraft during the summer flight schedule 2024. Expected by 2028, nine additional Boeing 787-9s will replace the current long-haul jets of the 777 and 767 family. The Dreamliner will be transferred gradually from Lufthansa Airlines respectively from existing orders of the Lufthansa Group. This will result in a significant rejuvenation of the Austrian Airlines' fleet. "With the Dreamliner, Austrian Airlines is taking off to a new era of aircraft and is setting course for growth. The fleet induction of ten Boeing 787-9s in the coming five years shows that we are fit for investments and the future", says Austrian Airlines CEO Annette Mann. Thanks to innovative technology, less weight, good aerodynamics and modern jet engines the Dreamliner is considered to be significantly more efficient than preceding models. With 2.5 litres of fuel per passenger on a 100-kilometre air route, fuel consumption is reduced up to 20% when compared to a Boeing 767. Austrian Airlines COO Francesco Sciortino: "With the Boeing 787-9 we are bringing one of the most innovative long-haul models on the market to Austrian Airlines. This is a team effort Austrian Airlines can be proud of."

## MRO & PRODUCTION NEWS

### IAI, Sharp Technics K and Incheon International Airport to establish facility for Boeing 777 P2F conversion

Israel Aerospace Industries (IAI) has signed an agreement with Sharp Technics K (Sharp) and Incheon International Airport Corporation, to establish a facility for the passenger-to-freighter (P2F) conversion of Boeing 777-ERSF (Big Twin) aircraft. The signing ceremony took place at South Korea's Incheon International Airport, in the presence of senior officials and representatives of each of the companies. Within the framework of the collaboration agreement, IAI plans to convert Boeing B777-300ER aircraft, starting in 2024. IAI's Aviation Group recently successfully completed a test flight of a 777 after it underwent passenger-to-cargo conversion. At the same time, the company is in the final stages of receiving the necessary licensing approval, a process that is expected to be concluded within the year. Setting up passenger-to-freight conversion facilities around the world is required due to the expected demand for wide-body freighter aircraft capable of long-haul flights, such as the 777, which after conversion will be able to carry loads of up to 100 tonnes. According to analysts' reports, the combination of these capabilities, with the significant fuel saving that the aircraft will permit – will make it one of the most popular freighter aircraft, which will join IAI's family of converted aircraft, which today includes the Boeing 747, 767, NG737 and the Classic 737.



Signing ceremony between IAI, Sharp and Incheon International Airport Corporation © IAI

we are delighted to announce our plans to invest a further €40 million in Dublin which will see significant expansion of our Dublin maintenance base and will create a further 200 highly paid jobs for engineers and mechanics. This facility

will be state of the art and one of the most environmentally friendly hangars in Europe and will facilitate the maintenance of our growing fleet." (£1.00 = €1.14 at time of publication).



## MRO & PRODUCTION NEWS

### ZeroAvia and Absolut Hydrogen partner to develop liquid hydrogen refuelling infrastructure

ZeroAvia, a leader in developing zero-emission solutions for commercial aviation, and Absolut Hydrogen, a leader in liquid hydrogen (LH2) technologies, have announced a partnership to jointly explore LH2 production, storage and refuelling at airports. The partners will work together to build and demonstrate liquefaction and liquid hydrogen storage in an airport context and ultimately explore the technology developments, concept of operations, safety procedures and standards for larger-scale deployment to deliver liquid hydrogen to aircraft. Grenoble-based Absolut Hydrogen, a subsidiary of Groupe Absolut, is a world leader in developing LH2 systems for heavy-duty mobility for aeronautical, maritime and land applications, building upon Groupe Absolut's expertise and deep industry knowledge in complex cryogenic systems. Absolut Hydrogen is offering a full LH2 product range with an entry, small-scale hydrogen liquefaction system (< 50 kg/day), a 100 kg/day Turbo-Brayton based H2 liquefier and a 1T/day liquefier based on the same technology. Whilst ZeroAvia's first certified powertrains for up to 19 seat aircraft will be powered by gaseous hydrogen, the ZA2000—a 2–5.4 MW modular powertrain for 40–80 seat aircraft, targeting entry-in-service in 2027—will require liquid hydrogen. This will improve the volumetric energy density of the fuel, enabling support for larger aircraft, flying more passengers on longer typical routes. Arnab Chatterjee, VP Infrastructure, ZeroAvia, stated: "As well as building our in-house liquid hydrogen knowledge over the last few months, it has been critical to establish partnerships to begin building the ecosystem that can deliver liquid hydrogen fuel for larger aircraft, at larger airport locations. Retaining and growing aviation will bring us all closer together and keep the world small, but it depends upon this quest for zero-emission aviation being successful."

### Barfield signs three-year repair agreement with AerCap Materials

Barfield, a subsidiary of Air France Industries KLM Engineering & Maintenance (AFI KLM E&M) in the Americas, has entered into a three-year repair agreement with AerCap Materials. The agreement covers a large scope of part numbers to help support AerCap Materials' customer base and ensure a better-quality repair service.

### AMETEK MRO Drake Air completes ramp-

### Liebherr-Aerospace and REVIMA team up for A350 nose landing gear MRO



REVIMA and Liebherr-Aerospace have teamed up for A350 nose landing gear MRO

© Shutterstock

Liebherr-Aerospace and REVIMA have announced an agreement to expand their collaboration for maintenance, repair, and overhaul (MRO) services for the Airbus A350's nose landing gear in the Asia-Pacific region. The deal was signed at the MRO AMERICAS 2023 event in Atlanta, Georgia. As the original equipment manufacturer (OEM) of the A350 nose landing gear for all Airbus A350 variants, Liebherr-Aerospace will integrate REVIMA Landing Gear Services Asia Pacific as a primary MRO supplier, providing top-class services to all Liebherr landing gear customers. The partnership with REVIMA, a leading independent MRO provider with over 60 years of landing gear expertise and facilities located in France and Thailand, will accelerate the ramp-up of nose landing overhaul capabilities in the Asia Pacific region. The Airbus A350 has become a highly popular aircraft among Asia-Pacific operators since its entry into service in 2016. This expanded collaboration between Liebherr-Aerospace and REVIMA will provide top-quality MRO services to A350 operators in the region and contribute to the sustainable provision of services. The partnership will also strengthen Liebherr-Aerospace's landing gear service network, which currently covers Europe, North America, and Asia, and ensure a reliable build-up of MRO services. The move highlights the importance of MRO services in supporting the safe and efficient operation of aircraft and meeting the needs of airlines in a highly competitive market.

### up of capabilities for Hughes-Treitler heat transfer systems

AMETEK MRO Drake Air has now fully integrated repair capabilities as an Authorized Repair Center for all AMETEK Aerospace & Defense Hughes-Treitler's commercial and military products. "The AMETEK Hughes-Treitler portfolio has a strong suite of thermal management products deployed across commercial and military platforms," said David Bentley, Divisional Vice President & Business Manager, Drake Air. "Since we became an Authorized Repair Centre we have demonstrated our commitment to continuous improvement with a dedicated programme to boost skills and streamline technical processes. This partnership has enabled us to expand into new markets and strengthen the AMETEK presence. Our relationship with Hughes-Treitler delivers value to our customers through comprehensive aftermarket component repair

capabilities underpinned by OEM quality." With this agreement, Drake Air is approved to solicit repair business globally and with exclusive access to OEM documentation, technical support, and materials, the MRO has built a range of work scopes that better support the wide range of customers flying with Hughes-Treitler products. According to Bentley, Drake Air is quickly building business from commercial airlines, military customers and the business aviation sector. "The crucial benefits we offer as an MRO are speed and flexibility. Our partnership with Hughes-Treitler enables us to stay abreast of the market with an inside track to changes and developments that improve the repair of heat transfer parts. In return, Drake Air provides Hughes-Treitler with a worldwide network of sales professionals and MRO capabilities that further support its global customer base."

## MRO & PRODUCTION NEWS

### GA Telesis extends global Honeywell distribution agreement for CFM56-5B Variable Bleed Valve stop mechanism

GA Telesis, LLC's (GAT) Flight Solutions Group (FSG) has extended its global parts distribution agreement with Honeywell for the CFM56-5B Variable Bleed Valve (VBV) Stop Mechanism. This partnership continues FSG's expansion of supplying factory new aviation parts via the Distribution Solutions Team. This extension follows Honeywell and GAT's recently announced expanded relationship for the global distribution of CFM56-5B Flex Shafts and Honeywell LRU and component inventories. The newly signed seven-year extension allows the distribution solutions team to supply factory new VBVs to operators and CFM56-5B engine MRO providers. GA Telesis Engine Services (GATES), based in Helsinki, Finland, will offer VBV upgrades to their customers during engine shop visits as well.

### TARMAC Aerosave and Donecle sign agreement for drone aircraft inspections

TARMAC Aerosave, an expert group in aircraft and engine lifecycle management and Donecle, a manufacturer of drones specifically for aviation maintenance purposes, have signed an agreement for drone aircraft inspections. Donecle, based in Toulouse, France, is developing a range of automated solutions to optimise visual aircraft inspections. The Donecle system consists of a fully automatic flight - without a pilot or GPS - coupled to image analysis software and a secure platform for digital inspection monitoring. As part of its innovating and permanent client satisfaction strategy, TARMAC Aerosave considered the Donecle drone solution with great interest. Without being a substitute for maintenance procedures or mechanics, drones make it possible to carry out inspections in less than two hours - such as general visual inspections (GVIs), lightning strike inspections, paintwork and regulatory marking inspections - thus making faster aircraft delivery to clients possible - whether on exit from storage or from maintenance. It is a valuable decision aid tool. A successful test campaign was conducted by the two partners on the TARMAC Aerosave site in Toulouse-Francal. The solution is currently fully operational for narrow-body aircraft in hangars. Developments are now focusing on the capacity to carry out inspections outside and on wide-body aircraft. The large number of aircraft accommodated by TARMAC Aerosave, the varied types, the regular flow of arrivals and departures and the three Tarbes, Teruel and Toulouse sites, allow Donecle to develop its products for every environment.

### MHIRJ signs three-year heavy maintenance agreement with Piedmont Airlines



MHIRJ will provide maintenance services for Piedmont Airlines

© MHIRJ

MHIRJ Aviation Group (MHIRJ), the regional maintenance, repair and overhaul (MRO) service provider, has signed a three-year aircraft heavy maintenance service agreement with Piedmont Airlines. A wholly owned subsidiary of the American Airlines Group, Piedmont operates more than 300 daily departures to 70 destinations and employs more than 10,000 aviation professionals. A crucial part of MHIRJ's growth strategy and commitment to broadening its markets, maintenance work will be conducted on Piedmont's fleet of Embraer E145 aircraft at the Bridgeport, WV, facility. Under the terms of the agreement, MHIRJ will operate a single dedicated nose-to-tail heavy maintenance line at the service centre with the potential of adding more lines in the future. The first Piedmont aircraft is scheduled to enter the facility in early May. Currently, MHIRJ supports American Airlines with contracts to provide maintenance services for PSA Airlines, Air Wisconsin Airlines and SkyWest Airlines on CRJ700, CRJ900 and CRJ200 aircraft and with American Airlines' interline partner Contour Airlines.

### Satair and BASF sign distribution agreement for ozone converters and ozone VOC converters for commercial aircraft

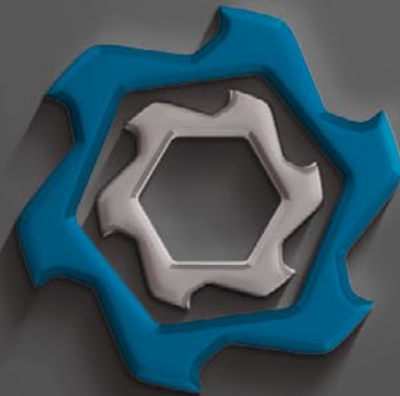


Satair and BASF have signed an exclusive distribution agreement  
© Satair

Satair, an Airbus Services company, and BASF have signed an agreement covering the global exclusive distribution of BASF Ozone Converters and Ozone Volatile Organic Compounds (VOC) converters for commercial aircraft. In addition to the distribution, the agreement covers repair administration services, making Satair the only provider of BASF repair services and factory-new components worldwide. The agreement marks an evolution in the partnership between the two

companies and brings Satair's customers the benefits of direct access to OEM parts and repair services by the same experienced professionals who produce new aircraft systems. Commenting on the agreement, Dr Olivia Cromwell, Business Manager at BASF, said, "We are pleased to sign this agreement with Satair and get access to their extensive customer network. We believe that this partnership will allow us to further our mission of providing high-quality, innovative solutions to the commercial aerospace industry."





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## FINANCIAL NEWS

### DAE increases bond repurchase program by US\$300 million

Dubai Aerospace Enterprise (DAE) Ltd announced today that its Board of Directors and Shareholders had authorized an additional US\$300 million for bond repurchases to be conducted through open market transactions. To date, DAE has repurchased approximately US\$1.13 billion of principal amount of its publicly traded bonds under the previous authorizations of US\$1.2 billion. DAE now has US\$370 million of available authority to repurchase bonds. DAE Chief Executive Officer Firoz Tarapore said: "Recent volatility in the rates market has allowed us to step up the repurchase of our secured and unsecured bonds. Today, we are increasing our available authorization to create capacity to repurchase additional bonds as market opportunities arise. DAE currently has approximately US\$3.5 billion of publicly traded bonds outstanding in the capital markets. (£1.00 = US\$1.24 at time of publication).

### MTU Aero Engines acquires Starnberg electric motor developer eMoSys GmbH

MTU Aero Engines (MTU) has released that it has acquired eMoSys GmbH, an electric motor developer and small-volume manufacturer based in Starnberg, Germany. The acquisition will help MTU consistently expand its know-how and its activities relating to electrification of the power train. "Our Flying Fuel Cell requires highly efficient, absolutely reliable electric motors and the eMoSys motors already reach the highest known performance density," explained Lars Wagner, CEO of MTU Aero Engines. "With eMoSys GmbH, we want to accelerate the use of electric motors in aviation and develop them to market maturity." eMoSys' previous shareholder, Stephan Eck, will stay on as Managing Director. He is thrilled about the upcoming collaboration: "eMoSys will be an innovation hub for MTU and in exchange we will benefit from the know-how of our MTU colleagues and from better market access." The collaboration will further strengthen the enterprising spirit and enormous innovative power of eMoSys and the company will remain largely independent. Eck noted: "In the course of the takeover, our activities will focus on aviation, but we will also continue to drive innovative developments for customers in the automotive, racing, rail transport and medical sectors." The approximately 30-person eMoSys team has been working on electric motors for 35 years and is already active in the field of aviation as well as in other sectors. eMoSys GmbH was founded in Starnberg in 2013. The company has successfully been working with MTU for several years on a project basis. The parties agreed not to disclose the purchase price.

## MRO & PRODUCTION NEWS

### AJW Group and Honeywell Aerospace expand global sole distribution agreement for B787 new products



Christopher Whiteside, AJW Group and Maria Sanchez, Honeywell Aerospace, at MRO Americas © AJW Group

AJW Group has announced the expansion of a worldwide sole distributor agreement, originally agreed in 2021, for the global sales of 29 Honeywell standard-fit new avionic products for the Boeing 787 platform, to include an additional five mechanical products. Under the terms of the agreement, AJW Group is now the sole aftermarket distributor for all Honeywell B787 mechanical and avionic Line Replacement Units (LRU's) fitted to current and future Boeing 787 aircraft. The agreement covers initial provisioning and on-going purchasing requirements for all operators and integrated service providers worldwide. The expanded distribution list covers parts ranging from inertial reference units to flight control modules, global navigation satellite systems antenna to active clearance control valves. The collaboration includes AJW holding distribution inventory at its global facilities to meet the needs of worldwide B787 operators, complementing the extensive inventory of Boeing parts, maintenance, repair, and overhaul services that allow AJW to deliver complete support solutions to customers. In addition to the sole distribution agreement, AJW Group has invested in additional Boeing 787, 737NG/MAX and A320neo material in serviceable and new condition from Honeywell to support its global customers.

### ST Engineering, Spirit AeroSystems to jointly support Middle Eastern nacelle customers

Spirit AeroSystems has signed an exclusive cooperation agreement with ST Engineering's Commercial Aerospace business to support customers in select Middle Eastern countries including Qatar, UAE, Jordan, Saudi Arabia, Kuwait and Oman with aircraft engine nacelle MRO solutions. The two companies will bring together their expertise and wealth of experience across various aircraft platforms to jointly market and offer competitive value propositions. The companies intend to support a significant portion of commercial aircraft variants to operators in the Middle East. Spirit AeroSystems' expertise include the design, build and repair of select components on the nacelles of the Boeing 737 NG/MAX, 747, 757, 777, as well as Airbus A320ceo and A330 aircraft, while ST Engineering has expertise in design, build and repair of select components on the nacelles of the Boeing 747, 767 and Airbus A330, A320neo aircraft. ST Engineering also has MRO licenses for the Boeing 787 and Airbus A320neo LEAP engine nacelles and MRO expertise in the A320ceo and Boeing 737 NG/MAX. "The cooperation will allow two strong MRO players to offer one-stop, comprehensive MRO solutions for our Middle Eastern customers. We will be able to pool our resources, offer our joint MRO capacity and coordinate with our recently announced regional partners JORAMCO and GMR to deliver best-value MRO solutions. We are excited about the potential of this long-term exclusive cooperation in the region," said Kailash Krishnaswamy, Senior Vice President of Spirit Aftermarket Services.



Spirit AeroSystems, ST Engineering will jointly support nacelle customers in the Middle East © ST Engineering

## MILITARY AND DEFENCE

### Topcast and Av-DEC extend distribution partnership to Asia-Pacific military customers

Topcast has entered into an extension of its distribution agreement with Aviation Devices & Electronic Components, LLC (Av-DEC), the innovative aircraft anti-corrosion solution provider, to expand the scope of exclusive distribution. Under the new agreement, Topcast will distribute all Av-DEC corrosion-prevention products to customers in the Asia-Pacific region, including commercial flight and military aircraft operators (excluding China, Hong Kong, and Macau for commercial aircraft, and Australia and New Zealand for military aircraft.) In September 2022, Topcast and Av-DEC signed an exclusive distribution agreement and began an extensive partnership servicing commercial aircraft operators in South-East Asia. Due to the immediate success of the partnership, Topcast and Av-DEC have extended the relationship to include military customers and applications, meaning Topcast is now the sole, exclusive distributor serving Av-DEC customers in the Asia-Pacific region (excluding China, Hong Kong, and Macau for commercial aircraft, and Australia and New Zealand for military aircraft).

## OTHER NEWS

**Etihad Cargo** has signed a Memorandum of Understanding (MoU) with China's **SF Airlines**, a leading cargo airline, in a move that reinforces Etihad Cargo's commitment to the Chinese market. Starting from April, both airlines will operate flights via their respective fleets to the other carrier's hub, enhancing Etihad Cargo's capabilities in the region and enabling the UAE's national carrier to expand its reach into China via SF Airlines' extensive in-country network. This partnership will allow Etihad Cargo's customers to gain greater connectivity to 25 domestic destinations in China via SF Airlines' road feeder service trucking network. The partnership with SF Airlines is the latest step by Etihad Cargo in expanding its operations in China. In February 2023, the carrier launched an additional direct freighter service to Shanghai, increasing the total number of freighter flights per week to eight. Etihad Cargo will operate the flights on a Boeing 777 freighter, with services commencing on April 28, 2023, in line with this partnership. By utilising SF Airlines' Chinese network, Etihad Cargo will transport cargo to other destinations in China via the Chinese carrier's Hubei Province mega hub. In turn, SF Airlines will have access to Etihad Cargo's global network for its express product. Through this capacity-sharing agreement, Etihad

## MRO & PRODUCTION NEWS

### Barfield signs two-year component repair agreement with AerFin

Barfield, a subsidiary of Air France Industries KLM Engineering & Maintenance (AFI KLM E&M) in the Americas, has entered into a two-year component repair agreement with AerFin. The agreement covers a variety of part-numbers to help support AerFin's A320 and E170/E190 aircraft. "We



Signing ceremony of the new component repair contract between Barfield and AerFin  
© Barfield

are delighted to support AerFin with this agreement allowing both our companies to continue our almost decade-long partnership. This renewed trust in our capabilities is a testament to the quality of work our talented team of technicians, engineers, and customer support managers puts in daily to ensure those aircraft are taking flight in full confidence," said Herve Page, Barfield's Chief Executive Officer.

### Lufthansa Technik becomes member of Safran Nacelles' licensed MRO network

Safran Nacelles and Lufthansa Technik have signed a license agreement for the maintenance, repair and overhaul (MRO) of Airbus A320neo's LEAP-1A nacelles. This means that Lufthansa Technik will now become a member of Safran Nacelles' licensed MRO network and will be able to carry out warranty tasks, repairs and modifications guaranteed by Safran Nacelles. Over 2,500 nacelles produced by Safran Nacelles are currently in service on Airbus A320neo aircraft which are powered by CFM International's LEAP-1A engines. Combined with its existing rotatable asset pool of LEAP-1A spares, Lufthansa Technik can now provide its customers spare availability from OEM stock locations and MRO services. A320neo operators will also benefit from the two company's extensive repair experience and are assured of finding a nearby station, meaning repair time can be reduced and the cost of logistics diminished. Safran Nacelles designs, integrates and provides support and after-sales service for aircraft nacelles. Safran is an international high-technology group, operating in the aviation (propulsion, equipment and interiors), defence and space markets. Its core purpose is to contribute to a safer, more sustainable world, where air transport is more environmentally friendly, comfortable and accessible. Safran has a global presence, with 83 000 employees.



LEAP 1A cowlings

© LHT

## INFORMATION TECHNOLOGY

**Endeavor Air** has partnered with **QOCO Systems** and selected MROtools.io as its tool management software. This technology will allow Endeavor Air to manage its maintenance operations with a high level of accuracy, compliance, and transparency. The digitalisation and automation features of MROtools.io will also provide

Endeavor Air with better control over its tooling, stock, asset management, repair and tool execution efficiency. QOCO Systems has been able to offer both standalone and integrated versions of MROtools.io to Endeavor Air, providing it with flexibility in how they use the software.



## OTHER NEWS

Cargo will provide greater market access to key destinations in mainland China, Hong Kong, Macao and Taiwan. The MoU was welcomed by both parties as a positive development for their respective businesses.

**Frankfurt Airport** (FRA) experienced a surge in passenger traffic in March 2023, with 4.3 million passengers traveling through the airport, representing a 45.4% increase compared to the same month in the previous year. However, the impact of a one-day public service strike on March 27 resulted in a potential loss of 160,000 passengers, which could have increased the year-on-year growth to over 50%. Despite the growth, passenger traffic was still down by 23.5% compared to March 2019, before the pandemic. In the first quarter of 2023, Frankfurt Airport served around 11.4 million passengers, representing a 56% increase compared to the same period in the previous year, but still 23.3% below the level achieved in the same period of 2019. Cargo throughput at Frankfurt Airport decreased by 7.1% year-on-year in March 2023, while aircraft movements increased by 19.2%

## FINANCIAL NEWS

### Aerospace Rotables to invest additional US\$2 million in SEMAN Landing Gear MRO



Aerospace Rotables has announced the investment of US\$2 million in SEMAN Landing Gear MRO © Aerospace Rotables

Aerospace Rotables has announced an additional US\$2 million (£1.6 million) investment in state-of-the-art machinery for partnership landing gear MRO operations with SEMAN. The announcement was made at Aviation Week Network's MRO Americas. This investment includes fully automated ID & OD grinding machines, boring mills, and expanded plating areas which will increase production capacity by more than 65%. The investment will enable the company to continue to provide the industry's leading guaranteed turnaround times and on-time support to its portfolio of cargo carriers, airlines, and leasing companies. With this investment, Aerospace Rotables & SEMAN are continuing the position as a leader in the aviation landing gear overhaul industry, providing its customers with enhanced capabilities and improved services. The new machinery will enable the company to complete repairs and maintenance more efficiently, further reducing downtime for its customers and allowing them to get back to flying sooner. Furthermore, Aerospace Rotables & SEMAN Peru a leading FAA & EASA-certified landing gear aviation MRO provider, have expanded their landing gear repair capabilities to include Boeing 777 and 747 aircraft. This strategic move is aimed at meeting the growing demand for high-quality, efficient and cost-effective landing gear repair services from customers operating Boeing 777 and 747 aircraft. The new capability includes 100% in-house processing of the landing gear overhaul inclusive of plating and is backed by its team of highly skilled and experienced technicians, who are trained to the highest industry standards.



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## OTHER NEWS

year-on-year to 32,125 take-offs and landings and accumulated maximum take-off weights expanded by 15.8% year-on-year to around 2.0 million metric tonnes. Additionally, Fraport's Group airports worldwide also experienced growth in March 2023. Ljubljana Airport (LJU) served 78,581 passengers (up 54.3% year-on-year), while Fraport's two Brazilian airports of Fortaleza (FOR) and Porto Alegre (POA) saw combined traffic increase to 1.0 million passengers (up 7.4%). Lima Airport (LIM) in Peru registered some 1.6 million passengers (up 16.8%) and at the 14 Greek regional airports, total traffic rose to 731,014 passengers (up 33.4%). Fraport's Twin Star airports in Bulgaria reported a traffic gain of 87.9% year-on-year to 103,316 passengers overall, while Antalya Airport (AYT) on the Turkish Mediterranean coast saw traffic increase to 1.0 million passengers (up 23.3% year-on-year).

**BAA Training** and **Pegasus Airlines**, a Turkish low-cost carrier, have signed a partnership agreement dedicated to delivering A320 Type Rating services for the airline's pilots. The first group of pilot students started training in February this year and the second group is set to begin in May. Considering Pegasus Airlines' fleet expansion while transitioning into an all-Airbus fleet, the plan is to launch two more groups of pilots before the end of the year. The students will be trained at BAA Training's facilities in Vilnius and Barcelona, equipped with A320 full-flight simulators. BAA Training is part of the Avia Solutions Group family with a combined fleet of 173 aircraft operating on every continent. The group also provides various aviation services such as MRO services, pilot and crew training, ground handling and other interconnected aviation solutions.

**United Airlines** (United) has reported the largest South Pacific network expansion ever to and from the continental U.S., including the first non-stop flight between San Francisco and Christchurch set to commence on December 1. United will be the only carrier to directly connect the U.S. and the South Island of New Zealand. With 66 flights between the U.S. and Australia/New Zealand every week, United will operate nearly 40% more flights from the U.S. to Australia and New Zealand next northern winter versus last year. The carrier is adding new direct flights from Los Angeles to Brisbane and Auckland and increasing service to the region from its San Francisco hub with daily flights to Brisbane, twice daily flights to Sydney and flying larger aircraft to Melbourne. Thanks to United's relationships with Air New Zealand and Virgin Australia, travellers can enjoy easy one-stop

## INFORMATION TECHNOLOGY



Representatives from AFI KLM E&M and SkyThread at MRO Americas 2023  
© AviTrader

**AFI KLM E&M** and **SkyThread**, a provider of a neutral industry data network applied to aviation, have signed a memorandum of understanding (MoU) to perpetuate their industrial and commercial partnership around the solution for 'SkyThread for Parts', to be implemented on AFI KLM E&M component services pool. The result of more than a year of collaboration based on SkyThread's blockchain and aviation data expertise combined with AFI KLM E&M's leading-edge component support know-how, this innovation aims to facilitate, accelerate, and secure the tracking of components from manufacturing to decommissioning. Reliable data at all times Blockchain becomes increasingly relevant to facilitate the recording of transactions and tracking assets across an ecosystem. As it is immutable, decentralized and scalable, a private blockchain overcomes the trust barrier which is the main obstacle to a seamless and controlled exchange of data belonging to heterogeneous organisations. SkyThread for Parts is based on a private and secure blockchain technology, where users and their stakeholders can record all events related to the life of the component: certificate of origin, shipping notes, maintenance certificates, repairs, transfer to an aircraft, ownership transfer, etc. By digitizing the tracking process and eliminating human interfaces - often a source of errors - this approach allows users to benefit from reliable data, without additional costs or validation time: they can trace the history of a part, for example, or retrieve its configuration information at any time across multiple IT silos. Developed and successfully tested in its initial version for 787 component support, for which AFI KLM E&M is one of the world's major players, 'SkyThread for Parts' is designed to adapt to the needs of component market players.



ATR has signed a partnership agreement with Swiss-AS

© ATR

Regional aircraft manufacturer **ATR** and **Swiss-As**, a leading MRO software company, have entered into a partnership with the intention of improving the digitalisation of airline maintenance management. This is the first collaboration of this type between an aircraft manufacturer and a software company. Through it the two companies will strive to improve and customise the integration of ATR maintenance data into the AMOS software provided by Swiss-AS to ATR operators. The goal is to help airlines to digitalise their maintenance management in the optimum way with a software tailored to their specific needs and operational constraints. At present, the integration of technical publications, provided by the OEM into the software solution is the responsibility of the operator and often requires the use of standalone systems and middleware to manage data integrity and revisions. ATR is spearheading the utilization of S1000D for the maintenance documents. Thanks to this partnership, AMOS can induct from ATR AMM, AWM, ESPM, IPC, TSM and MEL in S1000D seamlessly. In the development of the partnership, the intention will also be to include the integration of the operator maintenance programme via S1000D CAMO Engineers, Production Planners/Engineers, Maintenance Controllers, Trouble shooters will benefit from such integration, both from AMOSdesktop and AMOSmobile/EXEC in the near future.

## OTHER NEWS

connections from these cities to more than 50 destinations in the region.

**L3Harris Technologies** has announced a contract expansion with **OEMServices** to provide pilot training equipment more rapidly with lower logistical costs to airlines and pilot training centres. The contract with OEMServices, a leading global logistics solution expert, provides year-round customer access to crucial inventory for L3Harris' full-flight and flat-panel simulators and pilot-training equipment. Expanding current agreements for the commercial surveillance, avionics and flight recorder products, the partnership leverages OEMServices' global presence in the industry, providing customers with quicker response, regional inventory and reduced procurement costs. "This agreement aligns all aircraft on ground support functions across L3Harris under a single, trusted global logistics and support partner," said Adrian Paull, Vice President of Customer Support, **L3Harris Commercial Aviation**. "It aligns perfectly with our strategy to actively empower customers to leverage the full value of our technologies with the lowest practical cost of ownership." The partnership between L3Harris and OEMServices has grown over the last ten years, including this expansion for L3Harris' commercial pilot training equipment. Under the new agreement, OEMServices will maintain spare parts for simulators and training devices in its Shanghai and Atlanta facilities by the middle of 2023 and in its Dubai, Paris and Singapore facilities by the end of 2023, enabling customers to resume pilot



Thai Airways and Sabre have signed a long-term distribution renewal

© Sabre

**Thai Airways** has signed a long-term distribution renewal agreement with **Sabre**, a software and technology provider that powers the global travel industry. The agreement will ensure that Sabre-connected travel agencies continue to have access to Thai Airways' content worldwide while enabling the airline to retain its reach across Sabre's network of global travel buyers and intermediaries. Additionally, Thai Airways will take advantage of Sabre's extensive global booking data to identify recovery and growth opportunities. Thai Airways is primarily operating from Suvarnabhumi Airport and its secondary hub in Phuket. The airline typically serves around 40 international destinations and is a founding member of the **Star Alliance**. Thai Airways has resumed a significant proportion of its pre-pandemic international flights and is pushing forward with further recovery and growth plans. As Thailand surpassed its tourist number targets last year, and is expecting further recovery, particularly from the Chinese travel market, Thai Airways is poised to play an important role in future industry growth. Sabre will be providing consulting services to help identify areas of potential opportunity for Thai Airways to increase efficiencies and enhance future revenue. "Our booking data includes detailed insights on itinerary, origin, connection, passenger type, length of stay, and other booking patterns. However, it's important not just to have access to such data, but to be able to interpret and make the best use of it to support an airline's business strategy and growth," said Rakesh Narayanan, Vice President, Regional General Manager, Asia Pacific, Travel Solutions Airline Sales.

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## OTHER NEWS

training quickly and cost effectively with minimal disruptions.

**Elon Musk's** huge space rocket, Starship, part of the **SpaceX** programme, exploded yesterday on its maiden test flight. The rocket was unmanned, and nobody was hurt in the incident. While the **US Federal Aviation Administration (FAA)**, which is responsible for licensing rocket launches in the USA, will oversee an investigation into the accident, this will be standard practice for any vehicle lost in flight. It became apparent after just one minute into the flight that all was not well. Six of the 33 engines had either been shut down or had flamed out. After three minutes the two halves of the rocket should have separated, which did not happen, and it began to veer off course. At launch-plus-four-minutes, there was a large explosion which occurred as the Starship rocket began to lose altitude. It is likely this explosion was as a result of the Flight Termination System (FTS) being triggered. The intention of the mission was to send the ship on one near-complete revolution of the Earth, ending with a splashdown in the Pacific, a couple of hundred km north of Hawaii. There was no plan to recover any parts of the rocket, though in the long term, the plan would be to land both halves, refuel them and launch again – multiple times. "With a test like this, success comes from what we learn, and we learned a tremendous amount about the vehicle and ground systems today that will help us improve on future flights of Starship," SpaceX said in a statement. SpaceX engineers still view this mission as a success. They like to "test early and often" and are not afraid to break things. They will have gathered a mass of data to work towards the next flight. A second Starship is almost ready to take flight.

A Paris, France court has cleared both European planemaker **Airbus** and carrier **Air France** of involuntary manslaughter relating to the crash of Flight AF447 en route from Rio de Janeiro to Paris in June 2009. However, the two companies were found guilty in a separate civil case, the former being a criminal case. The court declared that Air France and Airbus were jointly responsible for faults which opened the way to damages for the victims' families. The exact amount of compensation will be announced in September. According to David Koubbi, a lawyer representing a number of the victims' families, "The court has decided that while no blame can be apportioned in criminal law, under civil law Air France and Airbus committed four faults and are responsible for damages." Flight AF447 was en route overnight from Rio de Janeiro to Paris when it disappeared off the radar in the middle of a storm over the Atlantic on June 1, 2009. It took four minutes

At the MRO Americas 2023 conference in Atlanta, Georgia, **Kuehne+Nagel, Atlas Air and SR Technics Group** introduce the "Sustainable Engine Alliance".

Representing a wide range of the aerospace industry, the Alliance pledges to set new industry standards for low-carbon aircraft engine supply chains in line with the Science Based Targets Initiative (SBTi). The alliance members aim to reduce their collective environmental impact through networks for sustainable engine supply chains and a portfolio of sustainable services. Some of the first joint initiatives carried out by the alliance include the deployment of sustainable fuels, engine stand management solutions and a global digital interface for emission transparency, reduction

and avoidance. The initiative is expected to reduce engine supply chain related scope 3 emissions ahead of the aerospace 2050 sustainability targets. Erik Goedhart, SVP Global Head of Aerospace at Kuehne+Nagel, comments: "Collaboration is key to industry-wide improvements in aerospace sustainability. With the "Sustainable Engine Alliance", we will set new standards for responsible sourcing and engine transportation, while creating further awareness within the industry to minimise environmental impact of engine supply chains jointly. I am confident that together with Atlas Air and SR Technics we will pave the way for future sustainability efforts in aerospace. And we invite other value chain companies to join us".



Kuehne+Nagel, Atlas Air and SR Technics Group introduced the 'Sustainable Engine Alliance' at MRO Americas, in Atlanta  
© Kühne+Nagel



Joramco expands Academy to Ghana via partnership with Aerojet Aviation  
© Aerojet Aviation

**Joramco**, the Amman-based aircraft maintenance, repair, and overhaul (MRO) facility and engineering arm of **Dubai Aerospace Enterprise (DAE)**, has announced the expansion of its Academy to Ghana via a partnership with locally based **Aerojet Aviation**. Joramco Academy is making strides in aircraft maintenance engineering training after obtaining its own EASA approval last year, as it is now launching its second site in Ghana. This initiative was launched after signing an agreement with Aerojet Aviation in June of

last year, to support the establishment of the Aerojet Aviation Training Academy as part of a larger project prioritised by the Government of Ghana to make Kotoka International Airport the aviation hub of the Sub Region. The project led by Aerojet Aviation Limited, will see the establishment of a fully equipped, certified and staffed Independent MRO centre in the respective country. Commenting on the new site activation, Joramco Chief Executive Officer, Fraser Currie said, "Joramco Academy is proud to be among the few training institutions in the Middle East awarded an EASA accreditation. This approval allows the academy to offer a wide range of aircraft maintenance courses and qualifications which are internationally recognized. With this accreditation, Joramco Academy has expanded its operations by opening its first site outside of Jordan, while also exploring multiple other locations. This expansion further demonstrates our commitment to providing quality education and training in Jordan and beyond."



## OTHER NEWS

and 24 seconds for the plane to fall 11,500 metres out of the night sky, during which the stall warning sounded 75 times, according to cockpit recordings. The plane's speed sensors, known as pitot tubes, were said to have iced up, turning off the autopilot, sending confusing information to the crew and setting off a catastrophic chain of events in the cockpit. Air France and Airbus denied the accusations that their negligence had led to the crash. Airbus blamed pilot error for the crash, while Air France claimed alarms confused the pilots. France's air investigations authority, the Bureau d'Enquêtes et d'Analyses (BEA), said the crew had responded incorrectly to the icing problem but also had not had the training needed to fly manually at high altitude after the autopilot dropped out. It also highlighted inconsistent signals from a display called the flight director, which has since been redesigned to switch itself off in such events to avoid confusion.

## INDUSTRY PEOPLE



Lloyd Barker has been appointed SVP LEAP Program Industrialization © StandardAero

- StandardAero has announced the appointment of **Lloyd Barker** to the newly created position of Senior Vice President LEAP Program Industrialization and Executive Site Leader for its San Antonio site. Barker joined the company in 2018 as

the Senior Vice President of Engineering & Quality. StandardAero has also established a dedicated programme management office (PMO) to lead its LEAP stand-up activities, with **Ron Gillette** appointed to lead the PMO for site transformation in San Antonio. The PMO will drive the formal new product introduction (NPI) process through which StandardAero will establish the new LEAP-1A/1B maintenance, repair and overhaul (MRO) line at its 810,000 ft<sup>2</sup> facility in San Antonio. The goal is to induct the first quick-turn (QT) engines in early 2024, followed by full performance restoration shop visits (PRSVs) in early 2025. Additionally, **Tim Mathis** has been appointed as Vice President of Components & Accessories (C&A) Technical Operations and LEAP Industrialization. He will stand up and lead the division's Repair Development Centre of Excellence (RDCoE) and will support component and accessories repairs and requirements related to the introduction of the LEAP line in San Antonio. According

to **Lewis Prebble**, President of Airlines and Fleets for StandardAero, the recent CBSA agreement with CFM International to support the LEAP-1A and LEAP-1B engines represents the largest single potential growth opportunity in StandardAero's more than 100-year history. Therefore, the company will apply its talent, technology, and overall company resources to establish its new LEAP capability while continuing to meet all of its commitments to current programs and customers. Under the CBSA agreement, StandardAero became part of CFM's authorised MRO network for the latest-generation LEAP-1A and LEAP-1B engines, providing a full range of MRO services to operators worldwide. The LEAP-1A engine powers the Airbus A320neo family, while the LEAP-1B is the exclusive powerplant for the Boeing 737 MAX series aircraft.



Jennifer Creevey

- Nordic Aviation Capital (NAC) has announced the appointment of **Jennifer Creevey** as Executive Vice President and CFO, effective May 1. She will be based in Dublin, Ireland. Creevey's 25+ year

career in finance spans a range of sectors, including aircraft leasing, telecoms, banking and healthcare. She was CFO of DAE Capital, a top-ten aircraft lessor, from 2017 to 2022. From 2008 to 2017, Creevey was with AWAS, a firm subsequently acquired by DAE. Creevey served as Chief Accounting Officer, leading the financial reporting team at AWAS and working on key strategic projects. Prior to AWAS, she was Head of Investor Relations for Eircom, a leading telecom provider in Ireland. In addition, she held various finance roles with Westpac Banking in Australia and Bayer Diagnostic Group in Ireland. Creevey is a Fellow of the Chartered Institute of Management Accountants and has an MBA from Dublin City University.



Jacco Klerk

He will be appointed General Manager and Director. Klerk started

his aviation career at KLM as an aircraft technician and transitioned into planning with various international secondments in production engineering positions before becoming hangar production maintenance manager for the minor base maintenance and global AOG teams. He joined Qualitair Aviation Group UK as Group Business Development Manager for interim management and strategic programmes for MRO's. Subsequently, he was promoted to Vice President for Technology & Engineering at Randstad, where he was responsible for all global aerospace OEM's workforce solutions. Klerk also studied continuous improvement and change management with a university secondment at semiconductor OEM Xaar in Cambridge, UK. He later joined Joramco as a business transformation leader in a senior MRO role in the Middle East. In recent years, he was Managing Director of Direct Maintenance, a European/African line maintenance organisation.

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### Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	FPG Amentum	V2527M-A5	3705	2008	Now	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
A319-100	BBAM	CFM56-5B5/P	2119	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Now	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
A330-200	GA Telesis	PW4168A	322	2000	Now	Sale / Lease	David Byrne	aircraft@gatelesis.com	+353 86 780 8974
A330-200	Doric	Trent 772B-60		2012	Q2/2024	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 69 247559-931
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737 MAX 8	ALTAVAIR	Leap	43564	2022	Now	Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B737 MAX 8	ALTAVAIR	Leap	60135	2022	Now	Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B757-200 Cargo	Airwork Ireland Limited	RB211-535E4	27051	1995	Now	Lease	Robbie Brazel	robbie.brazel@airworkgroup.com	+353 87 372 8262
B757-200 Cargo	Airwork Ireland Limited	RB211-535E4	25297	1992	Q4/2022	Lease	Robbie Brazel	robbie.brazel@airworkgroup.com	+353 87 372 8262
B777-300ER	BBAM	GE90-115BL	38986	2011	Nov 2023	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039

### Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200	Regional One	CF34-3B1	7925	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7926	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7937	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7941	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ER	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ER	Regional One	CF34-3B1	8059	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200LR	Regional One	CF34-3B1	7625	2002	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15215	2009	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15207	2008	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900ER	Regional One	CF34-8C5	15111	2007	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900ER	Regional One	CF34-8C5	15115	2007	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4042	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4100	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007	145508	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007	145515	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ170-100LR	Regional One	CF34-8E5	17000093	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
SAAB 2000	Jetstream Aviation Capital	AE2100A	031	1996	Now	Sale / Lease	Donald Kamenz	dkamenz@jetstreamavcap.com	+1 (305) 447-1920 x 115
SAAB 340B CRG	Jetstream Aviation Capital	CT7-9B	224	1990	Now	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102
SAAB 340B Plus	Jetstream Aviation Capital	CT7-9B	450	1998	Now	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102



# THE AIRCRAFT AND ENGINE MARKETPLACE

## Commercial Engines

CF34 Engines	Sale / Lease	Company	Contact	Email	Phone
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E5	Now - Lease				
CF34-8C5	Now - Lease				
(2) CF34-10E5	Now - Sale / Lease	DASI	Joe Hutchings	joe.hutchings@dasi.com	+ 1 954-478-7195
(3) CF34-10E6	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF34-10E7	Now - Lease				
(1) CF34-8C5A1	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) CF34-8C5B1	Now - Sale/Lease/Exch.				
(3) CF34-8E5A1	Now - Sale/Lease/Exch.				
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CFM56-5B3/3	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiaaviation.com	+1 786-785-0777
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-5B3/P	Now - Lease				
(1) CFM56-5B1/P	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(1) CFM56-5B4/P	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CFM56-7B24/E	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(2) CFM56-5C4/P	Now - Lease				
(1) CFM56-7B26/3	Now - Lease				
(2) CFM56-5C4	Now - Lease				
(2) CFM56-7B26E	Now - Lease				
(1) CFM56-5B4/P	Now - Sale/Lease/Exch.	AeroDirect	Sean Miller	SMiller@aerodirect.com	+1.404.229.3723
(1) CFM56-5B4/3	Now - Sale/Lease/Exch.				
(2) CFM56-5B5/P	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7040
(1) CFM56-5B4/P	Now - Sale / Lease				
(2) CFM56-5B6	Now - Sale / Lease				
(1) CFM56-5A3	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)1357 521144
(1) CFM56-5B2/P	Now - Sale/Lease/Exch.	Contrail Aviation Support	Mark Shaw	mark@contrail.com	+33 6 5834 1965
(1) CFM56-7B24/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/3	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(1) CFM56-7B26/E	Now - Lease				
(1) CFM56-7B27/B	Now - Lease				
(2) CFM56-5B3/3	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P (u/s)	Now - Sale	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-7B22/3	Now - Lease				
(1) CFM56-5B4/3	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
(1) CFM56-5B3/P	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) CFM56-5B6/P	Now - Sale/Lease/Exch.				
(1) CFM56-7B27	Now - Sale/Lease/Exch.				
GE90 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) GE90-94B	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) GE90-115BL (SP)	Now - Lease				
(2) GE90-90B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(4) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
PW1100G Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW1100G-JM	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW4168	Now - Sale / Lease	Castlelake	Graeme Dodd	Graeme.dodd@castlelake.com	+44 207 190 6138
(1) PW4168A	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(2) PW4168A	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
(1) PW4168A	Q4/2022 - Sale	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW121	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(1) PW123	Now - Sale/Lease/Exch.				
(1) PW127F	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				



# THE AIRCRAFT AND ENGINE MARKETPLACE

## Commercial Engines

PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
PW121	Now - Sale	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW127F	Now - Sale				
PW150A	Now - Sale / Lease				
PW127M	Now - Lease				
(3) PW127M	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(1) PW150A	Now - Sale/Lease/Exch.	Regional One	Duane Butler	dbutler@regionalone.com	+1 561-809-0001
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(2) Trent 772B-60	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) Trent XWB-84	Now - Sale/Lease/Exch.				
(1) Trent 556-61	Now - Sale/Lease/Exch.				
(1) Trent 772B-60	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) V2527-A5	Q3/2022 - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) V2533-A5	Now - Sale/Lease/Exch.				
(1) V2527-A5	Now - Sale/Lease/Exch.	AeroDirect	Sean Miller	SMiller@aerodirect.com	+1.404.229.3723
(4) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2527-A5	Now - Lease				
(2) V2527-S2	Now - Sale	Pratt & Whitney CSA	Jim Obrzut	james.obrzut@prattwhitney.com	+1 (860) 280-7665
(2) V2527-A5	Now - Sale / Lease	Castlelake	Graeme Dodd	graeme.dodd@castlelake.com	+44 207 190 6138
(1) V2533-A5	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiaaviation.com	+1 786-785-0777
(2) V2527-A5	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(1) V2533-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) V2527E-A5	Now - Lease				
(1) V2527-A5	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	

## Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(2) GTC331-200ER, (2) GTC331-9A, (1) GTC331-9B	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) A321 Enhanced Landing Gear 2020 OH					
(2) A320 LG Shipsets, (1) A320 NLG, (1) A340 LG Shipset		GA Telesis		landinggearsales@gatelesis.com	
(1) 777-200 LG Shipset, (1) A330 LG Shipset					
GTC331-9A (2), GTC331-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTC331-200, GTC331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(1) RE220, (1) APS3200, (1) GTC331-9A	Now - Sale / Lease	Magellan Aviation Group	Drew Megorden	drew.megorden@magellangroup.net	+1 704-340-0273
(1) GTC331-9B, (1) GTC331-500B	Now - Sale / Lease				
(1) GTC331-500B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(2) APS2300, (1) APS3200	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
((1) GTC331-200ER, (2) RE220RJ	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 954-683-1893
(2) GTC331-150RJ					
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(3) GTC331-9B,(1) GTC331-350		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(1) GTC331-500, (2) APS3200B, (3) APS3200C					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000			Ricky Torres	stands@gatelesis.com	+1-954-676-3111
(3) APU GTC331-9B, (1) GTC331-500B	Now - Sale / Lease	Willis Lease	Gavin Connolly	gconnolly@willislease.com	+44 1656 765 256
Engine stands now available	Now - Lease				
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368



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