

Weekly Aviation Headline News

WORLD NEWS

NAS awarded airport lounge tender for new terminal in Zambia

National Aviation Services (NAS) and NAC2000 Corporation have been awarded a tender to operate an airport lounge in the new terminal at Kenneth Kaunda International Airport (KKIA) in Lusaka, Zambia. The airport is the largest in Zambia and has plans to serve as a hub for the region. Currently, the airport has a capacity of two million passengers per annum, which is expected to increase once commissioned, to six million over a period of time. The state-of-the-art terminal is scheduled for commissioning around August this year.

Qatar Airways lands in Abidjan

Qatar Airways has welcomed Abidjan to its global network as its debut flight to the largest city in Côte d'Ivoire landed at Felix Houphouët Boigny International Airport. With three weekly flights, the service between Doha and Abidjan via Accra will be operated by the airline's state-of-the-art Boeing 787 Dreamliner featuring 22 seats in Business Class and 232 seats in Economy Class, along with capacity of up to 15 tonnes of cargo.

LATAM Cargo and Unilode extend ULD deal to 2028

LATAM Cargo and Unilode Aviation Solutions, the specialist in unit load device (ULD) management and repair services, have extended their ULD management partnership for a further seven-year term until 2028. As part of the newly extended agreement, Unilode will open a new ULD repair shop in São Paulo, Brazil, by January 2022, and provide digital services and sensory data to LATAM Cargo and its customers.



The new terminal will be open to passenger traffic beginning July 1.

Photo: Fraport

Fraport inaugurates new terminal in Ljubljana

Strengthening Slovenia's position in the region

Fraport has officially inaugurated its new passenger terminal at Ljubljana Airport in Slovenia. Fraport invested some €21 million in the ultra-modern terminal which strategically positions Ljubljana Airport to meet the future requirements of travel and tourism. After about a two-year construction period, the new terminal will be open to passenger traffic beginning July 1.

Speaking at the inauguration ceremony, Fraport AG's executive board member Dr. Pierre Dominique Prümm stressed: "We are confident the terminal will strengthen Ljubljana Airport's competitive position in the region and internationally. This terminal is a symbol of stepping forward into the New Future." Fraport

Slovenija managing director Zmagobir added: "We are ready for the returning growth in traffic, with our new terminal ambience and attractive offerings for our passengers and business partners."

"We are confident the terminal will strengthen Ljubljana Airport's competitive position in the region."

Pierre Dominique Prümm, Fraport AG Executive Board Member

Fraport has created an ultra-modern facility featuring 10,000 square meters of area for flexible operations and increased services. Ljubljana's terminal capacity has doubled to serve more than 1,200 passengers per hour. Along with more space and comfort, the terminal will feature a greater choice of shops, restaurants

and other amenities – with over 1,200 square meters available for retailing initially. Dr. Prümm stated: "In short, this customer-oriented terminal will significantly enhance the travel experience at Ljubljana Airport."

Despite the difficult pandemic period, Fraport successfully finished construction of the terminal on time and within budget. Dr Prümm also emphasized that the terminal is ready just in time for the start of Slovenia's six-month Presidency of the Council of the European Union at the beginning of July – when Ljubljana will be on the European centre stage welcoming visitors from other European capitals.

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Fraport's commitment to Ljubljana Airport goes beyond constructing a new passenger terminal. Since Fraport Slovenija started managing Ljubljana Airport in 2014, Fraport has invested more than €60 million in

new facilities, such as the Fraport Aviation Academy, a new fire station and the new terminal. In addition, Fraport is looking closely at the big potential for cargo and airport city developments in the direct vicinity of the

airport. Construction will start soon on a solar energy facility for the airport – part of the Fraport Group's climate and environmental initiatives in Slovenia and worldwide.

AIRCRAFT & ENGINE NEWS

AFG Aviation Ireland concludes acquisition of one Airbus A320-214 from ALAFCO

AFG Aviation Ireland, a wholly owned subsidiary of Aircraft Finance Germany GmbH, has completed the acquisition of one Airbus A320-214, bearing MSN 4484, from ALAFCO Aviation Lease Finance (Kuwait). AFG has placed the aircraft with Berniq Airways (Libya), which follows the delivery of MSN 4865 to the airline just last year.

389 Boeing 737 MAX jets affected world-wide after FAA issues inspection mandate

The U.S. Federal Aviation Administration (FAA) has issued a directive for Boeing whereby 737 MAX operators must conduct additional inspections of the jet's automated flight control system. The directive has ensured that instructions released by Boeing in December, which meant planes with more than 6,000 hours of flight time should undergo specific electronic checks, will now become mandatory instructions. Boeing confirmed that it "fully supports the FAA mandate "requiring functional checks at certain intervals to the digital flight control system, stabilizer trim, and the primary and secondary aisle stand stabilizer."" The three repetitive inspections will be carried out during existing maintenance programs, the FAA said, "to ensure the continued functioning of certain systems throughout the life of the airplane." According to Reuters news agency, the FAA also issued a notice on Wednesday called a Continued Airworthiness Notification to the International Community (CANIC) "to highlight the importance of these inspections to other international regulators and to operators outside the United States." The directive has impacted approximately about 72 U.S.-registered airplanes and 389 airplanes worldwide, the FAA said. The FAA said the directive is necessary because a "potential latent failure of a flight control system function" if combined with "unusual flight maneuvers or with another flight control system failure" could result in reduced controllability of the airplane. The FAA also said that all operators of U.S.-registered 737 MAX jets have already included these inspections in their maintenance programs.

Avolon and Vertical Aerospace announce order for up to 500 electric aircraft valued at US\$2 billion



Avolon-e becomes the launch customer for Vertical's VA-X4 eVTOL

Photo: Avolon

Avolon, the international aircraft leasing company, and Vertical Aerospace (Vertical), have announced a ground-breaking US\$2 billion order for up to 500 electric eVTOL aircraft. This agreement, which is subject to certain closing conditions, will introduce the ultra-short-haul aircraft category to commercial aviation, a game changing development that will revolutionize air travel with zero emissions aircraft. The agreement will combine Avolon's scale and deep industry relationships with Vertical's leading technological position in the eVTOL space and will see both companies collaborate throughout the development, road map to certification, and subsequent commercial roll-out of the VA-X4. Avolon will join Microsoft, Rolls-Royce, Honeywell, and American Airlines as equity investors in Vertical, working also with Virgin Atlantic who will be a VA-X4 launch airline customer in Europe. Avolon, through its newly incorporated affiliate Avolon-e, will become a customer for the VA-X4 and, subject to appropriate operating, delivery, and business requirements being met, will order aircraft valued at US\$1.25 billion with delivery commencing in late 2024, with an option to acquire additional aircraft up to a value of US\$750 million. Avolon-e has been established by Avolon to focus on investment in the zero-emissions eVTOL sector.

Flynas takes delivery of three Airbus A320neo aircraft from Jackson Square Aviation



Flynas Airbus A320neo aircraft

Photo: Jackson Square Aviation

Jackson Square Aviation (JSA) has closed the purchase-and-leaseback financing for Flynas, Saudi Arabia with delivery of three Airbus A320neo aircraft under long-term leases. "We are excited to provide a comprehensive financing solution to Flynas with the delivery of these latest-technology and fuel-efficient A320neo aircraft and welcome the airline as our newest customer", said Chris Dailey, JSA President and Chief Commercial Officer.

AIRCRAFT ENGINES FOR SALE & LEASE

CFM International - CFM56-7B26
CFM International - CFM56-5B4/P
GE Aviation - CF6-80C2B7F
GE Aviation - CF6-80E1A3
GE Aviation - CF6-80E1A4B
International Aero Engines - V2527-A5
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AIRCRAFT & ENGINE NEWS

GE Aviation and Safran launch advanced technology demonstration program for sustainable engines

GE Aviation and Safran have launched a bold technology development program targeting more than 20% lower fuel consumption and CO2 emissions compared to today's engines. The CFM RISE (Revolutionary Innovation for Sustainable Engines) program will demonstrate and mature a range of new, disruptive technologies for future engines that could enter service by the mid-2030s. The companies also signed an agreement extending the CFM International 50/50 partnership to the year 2050, declaring their intent to lead the way for more sustainable aviation in line with the industry's commitment to halve CO2 emissions by 2050. Technologies matured as part of the RISE program will serve as the foundation for the next-generation CFM engine that could be available by the mid-2030s. The program goals include reducing fuel consumption and CO2 emissions by more than 20% compared to today's most efficient engines, as well as ensuring 100% compatibility with alternative energy sources such as sustainable aviation fuels (SAFs) and hydrogen. Central to the program is state-of-the-art propulsive efficiency for the engine, including developing an open fan architecture. This is a key enabler to achieving significantly improved fuel efficiency while delivering the same speed and cabin experience as current single-aisle aircraft. The program will also use hybrid electric capability to optimize engine efficiency while enabling electrification of many aircraft systems.



John Slattery (l), President and CEO of GE Aviation and Olivier Andriès (r), CEO of Safran at the contract signing
Photo: CFM

BlueBird Aero Systems completes delivery of 100 VTOL UAVs to European customer

BlueBird Aero Systems, partially owned (50% of shares) by Israel Aerospace Industries (IAI), has completed the delivery of 100 WanderB-VTOL UAVs to a European customer. The Vertical Takeoff and Landing (VTOL) UAVs are part of a transaction involving over 150 WanderB-VTOL and ThunderB-VTOL UAVs worth tens of millions of dollars (USD). This is the world's largest number of VTOL UAVs delivered to any customer at one time and was completed within the agreed timetable despite COVID-19 conditions. The transaction reflects a globally emerging trend of VTOL UAVs, which provide important benefits for land and maritime applications as they combine the advantages of a fixed wing UAV (long range, long endurance, high speed, wind independency, large area coverage, etc.) with the advantages of a multi-copter (ability to take off and land in confined areas, accurate, safe, and damage-free landing, etc.). IAI's 50% acquisition of BlueBird Aero Systems, which was recently approved by Israel's government, is tapping into the potential of this emerging trend. Over the past few years, BlueBird developed several advanced VTOL platforms. The asset and capability combination of IAI and BlueBird is expected to yield additional breakthrough operational solutions on the market.

SPI to manage donation of multiple jet engines from Cadence Business Finance to aircraft mechanic training programs



Photo: General Electric CF34 turbofan jet engine

On behalf of Cadence Business Finance (CBF), Sage-Popovich (SPI) will be coordinating the donation of multiple CF34 and ALF 502 engines to aviation mechanic schools. Nick Popovich, the company Chairman, has always supported the aviation learning community. When it came time to clear these engines out of storage, the CBF team generously offered them up for donation to any aircraft mechanic school for training purposes.

The General Electric CF34 is a turbofan jet engine used on several business and regional jets, including the Bombardier Challenger and CRJ series, the Embraer E-Jets, and the Comac ARJ21. First manufactured in 1982, the engine family is in greater demand today than ever before. The engines are currently used around the globe on both military and civilian aircraft operated by SkyWest Airlines, United Airlines, Republic Airlines, Uganda National Airlines Company, and more. The ALF 502 engines were first produced in 1980 by Lycoming Engines, then AlliedSignal, and then Honeywell Aerospace. They are geared turbofan engines used on early Bombardier Challenger 600 (1A11) series and on Northrop YA-9 and British Aerospace 146 aircraft.

TRANSITIONING out of 737NG or A320 fleets? FORECASTING engine maintenance costs?

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AIRCRAFT & ENGINE NEWS

SAF Group orders three more five-bladed H145 helicopters for emergency medical services



H145 helicopter

Photo: Airbus Helicopters

SAF Group will be operating three more five-bladed H145 helicopters for emergency medical services (EMS) in France. These three aircraft will be based in Grenoble, Valence, and Montpellier. They will complement the three H145s already ordered by SAF in 2018 and 2020, the first of which was delivered recently and will be deployed for EMS missions in Belgium. SAF CEO Tristan Serretta says: "Introducing six new H145s in France and Belgium in just twelve months is in line with our strategy to increase the capacity of the growing number of EMS services that place their trust in us. This increase of our positioning is made possible by the level of performance and the versatility of this successful helicopter. SAF is determined to help demonstrate, together with the heads of emergency services, that having the right performance and at the right cost is key to saving lives". SAF is a key actor of EMS in France and Europe. The French company already operates 55 Airbus helicopters. SAF's fleet includes a Super Puma, H135s, and H125s. The H145 will bring increased capabilities for the EMS missions.

Ryanair takes delivery of first 737 MAX after two-year delay

The Boeing 737 MAX 8-200 jet that landed at Dublin Airport on June 16, was the first of 210 of the MAX 8 variant ordered by the Irish low-cost carrier. Though one of Boeing's biggest customers, Ryanair has been particularly critical these last few weeks over delays to deliveries and also a clear lack of communication. Ryanair had anticipated having its first MAX jet in service by March this year, with 24 in service for the summer. Instead, in April, the carrier revised that figure down from 24 to 16, and then down to 14 in May when Ryanair's chief Executive Ryan O'Leary told analysts "Now we don't know if we'll have any." Ten days prior to that, O'Leary had written to Boeing, requesting an update on deliveries in advance of releasing Ryanair's results, but nothing was forthcoming. "Despite being Boeing's largest customer in Europe, we can't even get them to reply to a letter over a period of ten days," O'Leary said at the time.



Photo: Ryanair

"They just need to get their act together in Seattle," he added. In addition to 737 MAX 8 orders, Ryanair has also been in discussion with Boeing over an order for the MAX 10 variant. "Most of our focus in our recent discussion with Boeing has been on getting the aircraft delivered and advancing discussions on a Max 10 order," said Mr O'Leary. "But the delivery and discussion on a Max 10 order have been hijacked by these unexplained and continuing delays in delivering the gamechanger [737 MAX 8] aircraft to us."

Archer unveils two-seater prototype eVTOL as forerunner to five-seat urban taxi



The two-seater prototype eVTOL urban taxi "Maker"
Photo: Archer

Santa Clara-based aviation startup Archer Aviation (Archer) unveiled its new two-seat electric vertical and take-off (eVTOL) urban taxi in Los Angeles on June 10. Given the name 'Maker', the aircraft is a prototype of a four-passenger (five-seater) eVTOL aircraft it anticipates launching in 2024. Maker has a top speed of 150mph, has a range of 60 miles, weighs 3,324lbs and has 12 rotors – six to the front and six to the rear of its 40-foot wings. Maker is a "full-scale, two-passenger demonstrator aircraft," said Adam Goldstein, one of Archer's co-founders. "Its purpose is to serve as a certification test bed, and also to keep pushing our key enabling technologies." The company recently raised US\$1.1 billion by going public through a reverse merger with a special acquisition company, or SPAC. The merger, which is valued at US\$3.8 billion, is also backed by United Airlines, which has placed a US\$1 billion order for 200 Archer eVTOL aircraft, with an option to purchase 100 more for US\$500 million.

MRO & PRODUCTION NEWS

GA Telesis and Aero Staking sign distribution agreement

GA Telesis (GAT) has announced an agreement with Aero Staking to become a global distributor of the latter's extensive product line of aircraft tooling, bearings, and bearing testing equipment. This partnership represents GA Telesis' Tarmac Solutions commitment to supporting airlines and MROs in reducing their overall maintenance costs while finding those solutions all in one location. To date, the Tarmac Solutions division of the Flight Solutions Group (FSG) has expanded its portfolio of aftermarket supplier partnerships, providing greater overall tool and GSE options for its customers globally. "Aero Staking brings a unique product line to the industry, and we are delighted to partner with them as an exclusive distributor to support airlines and MROs with these critical tools," said Jason Reed, President of GA Telesis' Flight Solutions Group.

AJW Group and Arena Investors launch US\$100 million Dublin-based aviation asset JV

AJW Group (AJW) and Arena Investors, LP (Arena) have announced their joint venture which will focus on the selective acquisition of commercial aircraft, engines, and components. The JV will take advantage of AJW's global network and operational expertise, along with Arena's comprehensive experience in investments related to the aviation industry. The joint venture will be based in Dublin, Ireland, where AJW and Arena will jointly acquire a targeted portfolio of aircraft and engines to be managed and monetized through AJW's global network. The joint venture is to be funded with committed capital of up to US\$100 million. AJW has roughly 90 years of experience and is a world-leading independent specialist in the supply, lease, and repair of aircraft components and a supply chain solution provider to over 1,000 airlines. The joint venture will feed engines and components into AJW's global inventory utilising the extensive repair capabilities of AJW Technique, the Group's state-of-the-art, industry-leading maintenance hub based in Montreal. Vivek Nayar, Arena Investors, comments: "We are thrilled to be forming a partnership with AJW, one of the most storied and reputable firms in the aviation services industry, with its wide geographical reach and customer base. AJW's experience, combined with Arena's flexible capital solutions, are especially relevant at a time when there are great liquidity needs in the industry. We look forward to helping to solve those needs."

Turkish Technic expands inventory with Boeing parts agreement



Boeing Distribution Services warehouse in Miami, FL

Photo: Boeing

Boeing and Turkish Technic have renewed a tailored parts package agreement, extending the maintenance, repair, and overhaul (MRO) provider's current contract by three years. The contract will enable Turkish Technic to reinforce its efficiency, reliability, and access to a global network of parts and component services. Through this agreement, Turkish Technic will continue to streamline maintenance operations with price and availability benefits from the renewal agreement. This tailored parts package three-year renewal expands the companies' previous agreement with 9,000-part numbers. The parts include a range of Boeing and supplier parts sourced through both Boeing and partner entities. Turkish Technic is a leading aviation services provider, with comprehensive maintenance, repair, overhaul, modification, and reconfiguration services performed by a highly qualified workforce from around the world. Turkish Technic supports aircraft operators and owners globally with encompassing component pooling, design, certification, and production services.

Airbus establishes Zero-Emission Development Centres in Germany and France

Airbus has decided to concentrate its efforts for metallic hydrogen tanks in a complementary setup by creating Zero-Emission Development Centres (ZEDC) at its sites in Bremen (Germany) and in Nantes (France). The goal of the ZEDC is to achieve cost-competitive cryogenic tank manufacturing to support the successful future market launch of ZEROe and to



ZEROe concept aircraft formation flight

Photo: Airbus

accelerate the development of hydrogen-propulsion technologies. The design and integration of tank structures is crucial to the performance of a future hydrogen aircraft. The technology developments will cover the full product and industrial capabilities from elementary parts, assembly, systems integration, and the cryogenic testing of the final liquid hydrogen (LH2) tank system. Both ZEDCs will be fully operational by 2023 to build LH2 tanks with a first flight test scheduled for 2025. In line with Northern German regional and the Pays de Loire ambitions, Airbus will foster cross-industry collaboration to support the overall transition to hydrogen-propulsion technologies, as well as the associated ground-based infrastructure in the region. The tank is a safety-critical component, for which specific systems engineering is needed. LH2 is more challenging than kerosene because it needs to be stored at -250 °C to liquefy and liquidity is needed for increased density. For commercial aviation, the challenge is to develop a component which can withstand repeated thermal and pressure cycling which an aircraft application demands. It is expected that near-term LH2 tank structures for commercial aircraft applications will be metallic, however the potential performance opportunities associated with carbon-fiber-reinforced polymer composites are high.

MRO & PRODUCTION NEWS

JORAMCO and VD Gulf (UAE) sign framework agreement for cooperation

JORAMCO and VD Gulf (UAE) have signed a framework agreement on MRO cooperation. Under the agreement, both independent MROs aim to expand their existing capabilities, capacity, and optimize their synergies for a one-stop shop upscaled customer experience, in addition to encouraging and promoting sustainable development for both organizations. Jeff Wilkinson, JORAMCO CEO commented, "We are excited to work hand in hand with VD Gulf to extend our support and commitment to our valued customers across the globe. This successful collaboration shows that JORAMCO and VD Gulf are both trusted MRO companies and will form the future of the MRO industry in the region to adapt to customers' needs". Mikhail Khoroshaev, Executive President VDT & Accountable Manager VD Gulf said, "As we enter a new era following the COVID-19 pandemic, it is prudent that MROs across the globe endeavor to work jointly as witnessed in other industries. With their complimentary resources, such cooperation will open new frontiers globally for the two MROs." The agreement was signed by Wilkinson and Khoroshaev during the MRO Middle East 2021, the Gulf region's leading annual conference and exhibition for commercial aviation maintenance.



JORAMCO, VD Gulf MoU signing

Photo: JORAMCO

Avianor and LATAM Cargo team-up for cargo modifications on three Boeing 767s



LATAM Cargo

Photo: AirTeamImages

Montreal Mirabel International Airport-based Avianor, and LATAM Cargo, based in Santiago, Chile, have completed and certified temporary cargo modifications on three Boeing 767 aircraft. Avianor, an affiliate company of DRAKKAR Aerospace & Ground Transportation, was previously contracted through a mutual collaborator to perform cabin reconfiguration work on LATAM's 767 and 777 aircraft. Avianor's experience and familiarity of these aircraft, along with its turnkey temporary cargo conversion solution, encouraged LATAM Cargo to contact Avianor to repurpose the cabin interiors of its 767 aircraft. In May, LATAM Cargo announced that up to ten 767s will be permanently converted to cargo in the coming years. The implementation of Avianor's temporary cargo modification was a quick and efficient solution while they await its conversions. This trusted business relationship combined progressive thinking, agility, and expertise to propose an innovative response to keep LATAM's 767 aircraft flying and support the demand to transport valuable perishable supplies. Avianor's temporary cargo modification solution has supported airlines around the world, by allowing them to adapt their offering to the needs of the economy, support the influx of e-commerce demands, and maximize the use of aircraft during the pandemic. LATAM will operate these

aircraft with Avianor's Transport Canada Civil Aviation (TCCA) Supplemental Type Certificate (STC) while it gets validated by the Federal Aviation Administration (FAA). Aircraft were modified at the beginning of 2021 at LATAM's Santiago facilities. Avianor provided the materials and work instructions which were then completed with an official virtual walk through to confirm STC compliancy.

CSAT expands base maintenance certification for customers operating Airbus A320neo-family aircraft

Czech Airlines Technics (CSAT) has started to provide base maintenance to airlines and leasing companies operating Airbus A320neo-family aircraft. The first two overhauls were successfully completed by the base maintenance division at Václav Havel Airport Prague in recent weeks. The Swedish airline Novair became the first customer of CSAT within the segment. CSAT received its new authorization from the Civil Aviation Authority of the Czech Republic. In the first quarter of this year, the company also introduced Boeing 737 MAX aircraft base maintenance services. On the basis of a new signed agreement, maintenance of two Airbus A32neo aircraft, SE-RKA and SE-RKB registration, was performed for the Swedish carrier Novair. The aircraft returned to operation after the prescribed work was performed to continue to be flown under the "Apollo" brand.



Airbus A321neo aircraft

Photo: CSAT

FINANCIAL NEWS

Emirates records annual loss of AED 1.7 billion

The Emirates Group has posted its first year of loss in over 30 years caused by a significant drop in revenue, fully attributed to the impact of COVID-19-related flight and travel restrictions throughout its entire financial year 2020-21. The Emirates Group posted a loss of AED 22.1 billion for the financial year ended March 31, 2021, compared with an AED 1.7 billion profit for last year. The Group's revenue was AED 35.6 billion, a decline of 66% over last year's results. The Group's cash balance was AED 19.8 billion, down 23% from last year mainly due to weak demand caused by the various pandemic-related business and travel restrictions across all of the Group's core business divisions and markets. For the first time in the Group's history, redundancies were implemented across all parts of the business. As a result, the Group's total workforce was reduced by 31% to 75,145 employees, representing over 160 different nationalities. Keeping a tight control on costs, across the Group, financial obligations were restructured, contracts renegotiated, processes examined, and operations consolidated. The various cost reduction initiatives returned an estimated saving of AED 7.7 billion during the year. In 2020-21, the Group collectively invested AED 4.7 billion in new aircraft and facilities, the acquisition of companies, and the latest technologies to position the business for recovery and future growth. It also continued to invest resources towards environmental initiatives, as well as supporting communities and incubator programs that nurture talent and innovation to drive future industry growth. (US\$1.00 = AED 3.67 at time of publication.)

MILITARY AND DEFENCE

U.S. Navy receives first TH-73A training helicopter

Leonardo has delivered the first TH-73A training helicopter to the U.S. Navy, during a ceremony held at its Philadelphia, U.S.A. campus. The TH-73A is based on the Instrument Flight Rules (IFR) variant of the commercial AW119Kx, certified as the only single-engine helicopter in decades to meet current IFR requirements, allowing pilots to operate the aircraft safely in low visibility and challenging weather conditions, thanks to advanced avionics by Genesys Aerosystems and redundant helicopter flight systems. The TH-73A is extremely flexible and can satisfy every training flight requirement, featuring an adjustable observer seat that provides a complete view of the cockpit, allowing for more effective learning, even when seated in the back. At the beginning of 2020, Leonardo, through AgustaWestland Philadelphia, was awarded a contract for the production and delivery of 32 TH-73A helicopters, initial spares, support and dedicated equipment, and specific pilot and

MRO & PRODUCTION NEWS

AJW Group signs power-by-the-hour contract with TUS Airways

AJW Group has secured a new power-by-the-hour (PBH) support contract with Cypriot carrier TUS Airways. AJW ensured a flexible service launch for the A320 operator, initially with pool access, increasing to the full PBH service contract once operations stabilize beyond the pandemic. TUS Airways began commercial operations in 2016 with a fleet of Saab and Fokker aircraft, operating out of Larnaca International Airport in Cyprus, offering both charter and scheduled services. The multi-year PBH contract recognizes AJW's global reputation in the marketplace and the agility with which it comprehensively supports start-up airlines with complete supply chain solutions.



TUS Airways Fokker 100 aircraft

Photo: AirTeamImages

FINANCIAL NEWS

GOL to acquire Brazilian airline MAP Transportes Aéreos



GOL Boeing 737 MAX 8

Photo: AirTeamImages

GOL Linhas Aéreas Inteligentes S.A., Brazil's largest domestic airline, has entered into an agreement to acquire Manaus-based MAP Transportes Aéreos (MAP), a Brazilian domestic airline with flight routes to regional destinations and São Paulo's Congonhas Airport. The acquisition reflects the company's ongoing commitment to expanding the demand for passenger air transportation in Brazil and what its management perceives to be an unparalleled market opportunity for rational consolidation in the

Brazilian aviation market, as the country's economy recovers from COVID-19. "Over the past year, we have consistently emphasized that GOL is well-positioned for growth in the post-pandemic cycle, due to prudent financial management and proven efficient operating model that differentiates us in the market," said Paulo Kakinoff, CEO. "This add-on acquisition is a significant step in our strategy of expanding network and capacity, as we look to revitalize air travel demand among leisure and business passengers. Thus, the Company is investing even more in the regional air transportation market with an emphasis on Brazil's Amazon region, supporting local economic growth and strengthening our operations at Congonhas Airport." Founded in 2011, MAP is the fifth-largest Brazilian domestic airline, with a fleet of seven 70-seat ATRs that operate on routes in the Amazon region from Manaus Airport, and Brazil's South and Southeast regions from Congonhas, the country's largest domestic airport. The realization of this transaction will reinforce GOL's leading positioning in two of its main bases, with growth of approximately 10% at CGH via the addition of 26 daily flights. Thus, the company will be able to serve new destinations connecting South America's largest city to historically underserved domestic markets, as the restrictions resulting from the COVID-19 pandemic are reduced or eliminated. GOL maintains its single-fleet strategy to service these new routes in a cost-efficient and sustainable way. The company also has the additional flexibility to evaluate new aircraft types or partnerships that can service these regional markets more cost efficiently, with no future obligation as it relates to MAP's current fleet.

MILITARY AND DEFENCE

maintenance training service to be produced at Leonardo's Philadelphia facility. In late 2020, the U.S. Department of Defense announced the decision to exercise the options for the production and delivery of 36 additional TH-73A aircraft, still to be produced at its site in Philadelphia. The total requirement is for 130 aircraft with delivery to continue through calendar year 2024.

INFORMATION TECHNOLOGY

Leading global supplier of regulatory and compliance software solutions, **Ideagen Plc**, has announced that **ATL Turbine Services** (ATL) has purchased its quality management software tool, Q-Pulse. ATL is an EASA-certified U.K.-based engineering company that repairs and overhauls turbine engine components to the highest quality standards. ATL is committed to offering its quality services to meet the standards and needs of both OEMs and independent overhaul facilities globally. Q-Pulse is used by more than 2,000 organizations globally. Its core features comprise: complete oversight of every aspect of the business using data intelligence and insights; quick data-driven decision making to exploit opportunities; and the ability to create a culture where quality and compliance is embedded throughout the organization.

ASQS (Advanced Safety and Quality Solutions), a leading Vienna-based aviation quality and safety management software provider, has announced the opening of its new office in Calgary, Alberta. The subsidiary in Calgary, **ASQS Safety and Quality Solutions Inc.**, will allow ASQS to further expand not only its global footprint but also its customer support services by being available to clients and prospects in three time zones beginning June 2021. Since its foundation in 2009, ASQS has grown its client base to more than 220 aviation companies including small to large airlines, helicopter and business jet operators, ground handling agents/FBOs, MROs, and airports around the world and holds a workforce of more than 50 employees in its headquarters in Vienna and subsidiary in Bangkok, Thailand. The company's core product, IQSMS (Integrated Quality and Safety Management System), is a modular web-based and integrated quality and safety management software developed to support aviation companies in operational areas such as their hazard and occurrence reporting, internal and external auditing, risk management, as well as safety performance monitoring. In addition to the corporate headquarters in Vienna, Austria, and an operational office in Thailand, the new branch in Canada will enable the company to continue expansion of its global network and significantly improve customer support services for partners and clients.

Boeing, ESG, and Lufthansa Technik partner for potential German P-8A Poseidon fleet support

Boeing has signed agreements with ESG Elektroniksystem- und Logistik-GmbH and Lufthansa Technik that outline joint efforts to explore potential areas of collaboration in systems integration, training, support, and sustainment work. The signed memorandum of understanding (MOU) may lead to more definitive agreements should Germany select the P-8A Poseidon as its next maritime surveillance aircraft.



Poseidon P-8A

Photo: Boeing

Boeing, ESG, and Lufthansa Technik have identified opportunities to collaborate in a number of areas and will explore these in more detail, including training and simulation, cyber security, systems integration, certification, environmental compliance, communications systems, electronic attack and electronic protect systems, aircraft and engine sustainment, component support services, predictive maintenance analysis, and logistics services. "This cooperation agreement underlines once again that we take our responsibility seriously when it comes to ensuring urgently needed capabilities," said Christoph Otten, CEO of ESG. "As Boeing's strategic partner for the P-8A Poseidon fleet, we are pleased to be able to make the Bundeswehr a viable offer characterized by effectiveness, efficiency, and the reliable delivery of services. As a long-standing partner of the German Bundeswehr and Navy aviators, ESG stands ready with its proven core competencies, solutions, services, and products, particularly in the areas of systems integration, aviation certification, and secure communication systems." Lufthansa Technik has a long history in technical support of Boeing airplanes around the world. In addition, under Boeing's Performance-Based Logistics program, Lufthansa Technik also provides hardware support to the Italian fleet of Boeing KC-767A tankers and has facilitated outstanding aircraft availability for the Italian Air Force.

INFORMATION TECHNOLOGY



Photo: SITA

Frequent flyer program customers of **Star Alliance** member airlines will soon be able to use their biometric identity across any participating airline at any participating airport following a new agreement between the world's largest airline alliance, **NEC Corporation** and **SITA**. This latest agreement is aimed at accelerating the availability of biometric self-service touchpoints across Star Alliance's member airlines while delivering a faster, touchless airport experience. Connecting to SITA's Smart Path solution, the Star Alliance biometrics platform will be able to use SITA's shared airport infrastructure already available in more than 460 airports. Together with SITA and NEC's global presence, multiple biometric projects can be delivered in parallel, speeding up the availability of biometric passenger processing to Star Alliance's member airlines globally. This will be vital in enabling Star Alliance to deploy biometrics faster. A further advantage is the NEC I:Delight platform – which allows passengers who have opted to use the service to be identified quickly and with a high degree of accuracy, even on the move – can be easily integrated with SITA Smart Path. The I:Delight platform is also able to recognize passengers even when wearing a mask, an increasingly important feature for travel during the current pandemic. The platform is already in use by Star Alliance member airlines at several airports in Europe. Uniquely, passengers using Star Alliance's biometrics platform enroll only once. Passengers then can pass through biometrically enabled touchpoints across multiple member airlines and participating airports using just their face as their boarding pass. This speeds up the passage through the airport while making each step completely touchless, supporting important health and hygiene safety measures in times of COVID-19, and delivering on Star Alliance's vision of a seamless customer experience.

INFORMATION TECHNOLOGY

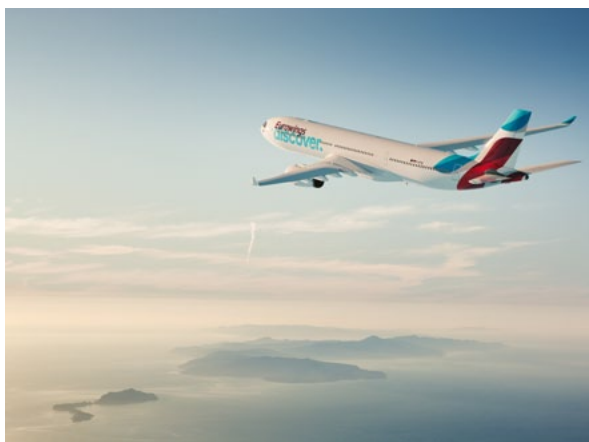
Rusada, a leading provider of aviation software solutions, has announced a major recruitment drive to grow its product development division. Despite the difficulties of the COVID-19 pandemic, Rusada has remained in a strong financial position throughout, due a diverse customer portfolio and the signing of several important contracts. In the last 12 months, the company has agreed significant deals with airlines, helicopter operators, and MROs for the use of its ENVISION software. Rusada also signed one of the largest contracts in its history back in August 2020 with a major government entity. As such, it is now looking to capitalize on this position of strength and bolster its development capabilities. The company has already recruited 14 new members of staff this year, with another seven in progress, and is looking to add a further ten positions by the end of 2021. This includes software developers - both senior and junior, product owners, and product testers. Many of these roles will be based out of Rusada's U.K. office in Banbury, Oxfordshire.

OTHER NEWS

Many countries are opening travel as vaccination coverage increases. **Finnair** has now updated its offering for September-October and for the winter season 2021/2022 (November – March) to meet the needs of its travel-hungry customers. Destinations for autumn and winter include the Canary Islands, with flights starting in September as well as Miami and Thailand in the winter season. Altogether, Finnair will fly to some 70 destinations during winter 2021/2022. Finnish Lapland continues to attract travelers, and in September Finnair will offer frequent flights to Kittilä and Ivalo in northern Finland – great destinations to experience the wonderful fall colors of Lapland. Frequencies to Scandinavia will increase in October when Finnair flies to Oslo and Copenhagen three times per day, making one-day business trips smoother. During the winter season Finnair will fly daily to New York and three times a week to Miami and Los Angeles. Bangkok, Phuket, and Krabi will be in the offering for Thailand. Altogether 70 destinations will be served in the winter season, with Finnair flying, for example, to Alicante, Malaga, and Nice throughout the winter. As the offering for the late autumn and winter season is updated, adjustments also will occur and Finnair will contact those customers affected directly. Customers can then either opt for a full refund or be rerouted if possible.

A five-year truce has been negotiated between the U.S and EU concerning the 17-year spat over

OTHER NEWS



Eurowings Discover takes off

Photo: Lufthansa

Eurowings Discover is the first airline in Germany to receive an unlimited permit under a new aviation law requirement known as partial CAMO (Continuing Airworthiness Management Organization). The Lufthansa Group's newest airline takes off on July 24 from its home base in Frankfurt am Main for its inaugural flight to Mombasa with onward service to Zanzibar. In August, the flight schedule will be filled with further attractive long-haul destinations: Thus, in addition to two weekly frequencies to Mombasa/Zanzibar, starting in August there will also be three flights a week to Punta Cana and five flights a week to Windhoek. In October, Eurowings Discover will also be flying three times a week to Las Vegas and Mauritius. In the 2021 winter flight schedule, Bridgetown, Montego Bay and Varadero will be added with three weekly frequencies each. In addition, the flight program will be expanded from November to include short- and medium-haul flights to the Canary Islands, Egypt, and Morocco. Before the start of long-haul operations at the end of July, Eurowings Discover plans to operate selected continental flights as wet lease for Lufthansa Group airline Air Dolomiti (EN) from mid-July in order to gradually ramp up operations and ensure a smooth start on long-haul routes. Its fleet will consist of a maximum of 11 aircraft in total this year and will grow to 21 aircraft by the middle of next year (ten Airbus A320s and 11 Airbus A330s). All aircraft are coming from the Lufthansa Group fleet pool.

Air New Zealand has extended its agreement with the Australian Government to operate flights between Norfolk Island and Australia from August 30, 2021 until the end of August 2023. Under the agreement, Air New Zealand will use its A320 aircraft to operate up to three flights per week from Brisbane and three flights from Sydney.

Air New Zealand Chief Operating Officer Carrie Hurihanganui says the airline will establish a temporary pilot and cabin crew base in Brisbane until November 30, to ensure potential disruptions to the travel bubble will not affect continuity of services to Norfolk Island. "Prior to the trans-Tasman bubble opening, crew operating domestic flights in Australia were required to have been in Australia for 14 days or have arrived in Australia on a quarantine-free flight. This unfortunately resulted in us having to suspend services between Norfolk Island and mainland Australia in February. Having crew based in Australia will ensure we avoid disruption should the Australian border close again.



Air New Zealand Airbus A320

Photo: AirTeamImages

OTHER NEWS

aircraft subsidies provided to **Boeing** and **Airbus** that were seen as unfair. As a consequence, many of the Trump-era retaliatory subsidies have also been suspended. Since 2004 both planemakers have taken their case to the World Trade Organization (WTO) in which they have both argued that subsidies received by either company resulted in unfair competition against the other. In March this year a four-month suspension of tit-for-tat tariffs by both sides were suspended, which included those placed on EU cheese and wine, and U.S. tobacco and spirits. It is hoped that during the five-year suspension agreement, the two sides will reach

an agreement on what support could be provided to either Boeing, Airbus, or other major aircraft manufacturers, and in particular that both sides would work to counteract investments made in aircraft production by “non-market actors”, specifically China. “Grounding the Airbus-Boeing dispute delivers a major confidence boost for EU-U.S. relations,” EU trade chief Valdis Dombrovskis told a news conference after an EU-U.S. summit with U.S. President Joe Biden. “The deal...includes a commitment for concrete joint collaboration to confront the threat from China’s ambitions to build an aircraft sector on non-market practices,” stated U.S. Trade Representative Katherine Tai. Both sides said they were confident the Airbus/Boeing dispute would indeed end within five years.



Official opening of easyJet's new base in Faro, Portugal

Photo: VINCI Airports

VINCI Airports' and **easyJet** have opened the carriers new base and the launch of Faro airport's solar plant, the first in-airport solar plant in Portugal. The base is a new illustration of VINCI Airports' commitment towards Portugal and the Algarve region. Thanks to the €32.8 million modernization program it delivered at Faro airport, VINCI Airports has been strongly enhancing the airport's attractiveness towards airlines and passengers, since the beginning of the concession. The airport has become a central element in Algarve's tourism strategy and a key asset for the future, as Portugal is preparing for the recovery of tourism. The opening of this base, which is the result of a joint effort between easyJet, VINCI Airports and the Portuguese tourism authorities, will contribute to keep opening new routes in Faro. VINCI Airports also gives new momentum to its partnership with the Algarve region by launching Faro airport's solar plant. It will have a capacity of 3 MWp and will supply Faro airport with 30% of its electricity needs, generating an annual saving equivalent to more than 1,500 tons of CO2. The solar plant is financed, developed, built and will be operated by VINCI Airports through its photovoltaic subsidiary SunMind. It will be operational in 2022. By choosing Faro as the first in-airport solar plant in Portugal, VINCI Airports takes a new step towards the realization of its environmental action plan in the Algarve region. Since the beginning of the concession, VINCI Airports has been activating partnerships with local environmental organizations such as the Center for Marine Sciences of the University of Algarve, to foster knowledge on the region's fauna and flora. VINCI Airports has already achieved a -13% decrease in carbon emissions of the country's airports network between 2018 and 2020. The new solar plant in Faro is part of a global action plan deployed by VINCI Airports across all its 45 airports in 12 countries, with similar projects already deployed or in development in the Dominican Republic, Brazil, the UK, Serbia, Sweden, France and now Portugal.

INDUSTRY PEOPLE



Ed Sims

• WestJet has reported that President and CEO, **Ed Sims**, will retire at the end of 2021. In four years with WestJet, Sims was responsible for the successful introduction of the company's Boeing 787 long-haul aircraft, the launch of two new airline ventures, the significant expansion of WestJet's international network, as well as the continued growth of WestJet Vacations, WestJet Cargo, and the WestJet Rewards program. Sims will remain as President and Chief Executive, as well as a member of the WestJet Group board of directors until December 2021. Moving forward, he will continue in a senior advisory role with Onex Partners focused on aerospace and aviation. The board of directors of WestJet has commenced the search for a new chief executive officer.

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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	FPG Amentum	V2527M-A5	3705	2008	Q2/2021	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
A319-100	BBAM	CFM56-5B5/P	2214	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-112	Deucalion Aviation Limited	CFM56-5B6/3	3586	2008	Q2/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A319-131	Deucalion Aviation Limited	V2522-A5	2375	2005	Q2/2021	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-200	BBAM	V2527-A5	2587	2005	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A320-200	ORIX Aviation	CFM56-5B4/3	3831	2009	Q2/2021	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	Deucalion Aviation Limited	V2527-A5	3734	2009	Q2/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-200	GA Telesis	CFM56-5B6/3	5393	2012	Jun 2021	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A320-200	GA Telesis	airframe only	2152	2004	May 2021	Sale	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A320-214	Deucalion Aviation Limited	CFM56-5B4/3	3767	2009	Q2/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-230	Deucalion Aviation Limited	V2527-A5	4552	2010	Q2/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-232	Deucalion Aviation Limited	V2527	4323	2010	Q2/2021	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-232	ALTAVAIR	V2527-A5	4621	2011	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Q3/2021	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
A321	Deucalion Aviation Limited	V2533-A5	7015	2015	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A321	Deucalion Aviation Limited	V2533-A5	7180	2015	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A321-231	Deucalion Aviation Limited	V2533-A5	6009	2014	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A321-231	Deucalion Aviation Limited	V2533-A5	6294	2014	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-200	ORIX Aviation	Trent 772B-60	1306	2012	Now	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A330-200	Deucalion Aviation Limited	CF6-80E	814	2007	Q2/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-200 (12x)	ALTAVAIR	Trent 772B-60/16	various	05-14	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
A330-200	Doric	Trent 772B-60/16	1407	2013	Q2/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-200	Doric	CF6-80E1A4/B	883	2007	Q2/2021	Sale	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-300 (6x)	ALTAVAIR	Trent 772-60/19	various	09-11	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
A330-300	BBAM	Trent 772B-60	1562	2014	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	Trent 772B-60	1609	2015	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	Deucalion Aviation Limited	Trent 772B-6	1146	2010	Q2/2021	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-300	Deucalion Aviation Limited	Trent 772B-60EP	1357	2012	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-300	Deucalion Aviation Limited	Trent 772B-60EP	1378	2013	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-700	BBAM	CFM56-7B22	38125	2011	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	CFM56-7B22	38126	2011	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	CFM56-7B20	32414	2002	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	GA Telesis		34300	2006	Now	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	
B737-8	Orix Aviation	CFM LEAP-1B	42825	2017	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42826	2017	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42827	2017	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42828	2017	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42829	2017	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42830	2017	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42831	2018	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42832	2018	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42833	2018	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42835	2018	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	63971	2018	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	64992	2018	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-800	FPG Amentum	CFM56-7B27E	40259	2013	Q2/2021	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
B737-800	Deucalion Aviation Limited	CFM56-7B26E	40880	2012	Q2/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	Deucalion Aviation Limited	CFM56-7B26	30294	2004	Q4/2021	Sale	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	Deucalion Aviation Limited	CFM56-7B	30659	2003	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	ORIX Aviation	CFM56-7B26E	38034	2012	Q2/2021	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	BBAM	CFM56-7B27E	40242	2011	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039

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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft (cont.)

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	BBAM	GE90-115B	41081	2012	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	ALTAVAIR	GE90-115B	34597	2006	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
B777-300ER	ALTAVAIR	GE90-115B	39686	2013	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
B777-300ER	Doric	GE90-115BL2	36158	2009	Q2/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
B777-300ER	Deucalion Aviation Limited	GE90-115B	37705	2009	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B787-8	Deucalion Aviation Limited	Trent 1000G	35304	2013	Now	Sale	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B787-8	Deucalion Aviation Limited	Trent 1000G	35305	2013	Now	Sale	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B787-9	Orix Aviation	Trent 1000	63316	2018	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B787-9	Orix Aviation	Trent 1000	63321	2019	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200F	Regional One	CF34-3B1	7452	2000	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200LR	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-700	Regional One	CF34-8C5B1	10205	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
D0328 Jet	Regional One	PW306B	3185	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ170-100LR	Regional One	CF34-8E5	17000123	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007A1	145304	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007A1	145331	2000	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
SAAB 2000	Jetstream Aviation Capital	AE2100A	031	1996	Q1/2021	Sale / Lease	Donald Kamenz	dkamenz@jetstreamavcap.com	+1 (305) 447-1920 x 115
SAAB 340B CRG	Jetstream Aviation Capital	CT7-9B	224	1990	Q1/2021	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102
SAAB 340B Plus	Jetstream Aviation Capital	CT7-9B	450	1998	Q1/2021	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102

Commercial Engines

Multiple Types	Sale / Lease	Company	Contact	Email	Phone
Multiple Engines GE / CFM / RB211	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
AE3007 Engines	Sale / Lease	Company	Contact	Email	Phone
(3) AE3007A1P	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
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
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3B1	Now - Sale				
CF34-3A	Now - Sale / Lease				
(2) CF34-8C5B1	Now - Sale / Lease	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) CF34-3B1	Now - Sale / Lease				
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
(2) CF34-10E6 Full QEC	Now - Sale / Lease	DASI	Joe Hutchings	joe.hutchings@dasi.com	+ 1 954-478-7195
(1) CF34-10E5A1 Full QEC	Now - Sale / Lease				
(4) CF34-10E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF34-8C5A1	Now - Sale/Lease/Exch.	Magellan Aviation Group	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715
(2) CF34-8C5B1	Now - Sale/Lease/Exch.				
(3) CF34-8E5A1	Now - Sale/Lease/Exch.				
(2) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elf.com	+353 61 291717
CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CF6-80C2B7F	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF6-80E1A3	Now - Sale / Lease				
(1) CF6-80E1A4B	Now - Sale / Lease				
(2) CF6-80E1A4B	Now - Sale/Lease/Exch.	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(1) CF6-80C2B1F	Now - Sale/Exchange	Chromalloy Asset Management	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) CF6-80C2B1F	Q3/2021 - Sale/Exchange				
(1) CF6-80C2B6F	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0787
(2) CF6-80E1	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(1) CF6-80E1A4B	Now - Sale / Lease	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272



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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CFM56-5B4/P (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiaaviation.com	+1 786 785 0787
(1) CFM56-5B5/P	Now - Lease				
(1) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B1/3	Now - Lease				
(1) CFM56-5B1/P	Now - Lease				
(2) CFM56-7B26 (full QEC)	Now - Lease				
(1) CFM56-7B27	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(1) CFM56-7B22 (with QEC)	Now - Lease				
(4) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CFM56-5B4/3	Now - Lease				
(2) CFM56-5C4/P	Now - Lease				
(1) CFM56-7B24/E	Now - Lease				
(2) CFM56-5C4	Now - Lease				
(1) CFM56-7B27/B3	Now - Lease				
(2) CFM56-5B4/P	Now - Lease				
(2) CFM56-7B26/3	Now - Lease				
(2) CFM56-7B26	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(2) CFM56-5B5/P	Now - Sale / Lease				
(2) CFM56-7B22	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(multiple) CFM56-5B	Now - Sale / Lease	CFM Materials	Jimmy Hill	jimmy.hill@cfmmaterials.com	+1 469-628-3756
(multiple) CFM56-7B	Now - Sale / Lease				
(2) CFM56-7B26/E	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/3	Now - Lease				
(1) CFM56-7B24/E	Now - Lease				
(1) CFM56-5B3/3	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P	Now - Sale / Lease	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
(1) CFM56-7B22/3	Now - Sale				
(1) CFM56-7B26	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CFM56-5B4/P	Now - Sale / Lease				
(1) CFM56-5B3/P	Now - Sale/Lease/Exch.	Magellan Aviation Group	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715
(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 (Propulsor)	Now - Lease				
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(2) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) LEAP-1A33	Now - Lease				
(1) LEAP-1A32	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) LEAP-1A26	Now - Lease				
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW4062-3	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiaaviation.com	+1 786 785 0787
(1) PW4062-3	Now - Sale / Exchange	Chromalloy Asset Management	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) PW4060-3	Q3/2021 - Sale/Exchange				
PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW121	Now - Sale/Lease/Exch.	Magellan Aviation Group	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715
(1) PW123	Now - Sale/Lease/Exch.				
(1) PW127F	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(3) PW150A	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(4) PW127M	Now - Sale/Lease/Exch.				
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease				
PW124B	Now - Lease				
PW123B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW150A	Now - Lease				
PW127M	Now - Lease				
PW150A RGB	Now - Lease				

THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

W Small Engines	Sale / Lease	Company	Contact	Email	Phone				
(1) PW120A	Now - Sale / Lease	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936				
(1) PW120	Now - Sale/Lease/Exch.								
(1) PW123E	Now - Sale/Lease/Exch.								
(4) PW126	Now - Sale/Lease/Exch.								
(1) PW121	Now - Sale/Lease/Exch.								
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 772C-60	Now - Sale/Lease/Exch.								
(1) Trent-556-61	Now - Sale/Lease/Exch.								
(1) Trent 556A2-61	Now - Sale/Lease/Exch.								
(1) Trent 1000-J3	Now - Lease								
(1) Trent XWB-84k	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717				
(1) Trent772B-60	Now - Lease								
(1) Trent 892B-17	Now - Sale					Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
(1) Trent 892B-17	Now - Sale / Exchange								
V2500 Engines	Sale / Lease					Company	Contact	Email	Phone
(1) V2522-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877				
(1) V2524-A5	Now - Sale/Lease/Exch.								
(1) V2527-A5	Now - Sale/Lease/Exch.								
(1) V2527E-A5	Now - Sale/Lease/Exch.								
(1) V2527M-A5	Now - Sale/Lease/Exch.								
(1) V2530-A5	Now - Sale/Lease/Exch.	Chromalloy Asset Management	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102				
(1) V2533-A5	Now - Sale/Lease/Exch.								
(2) V2533-A5	Now - Sale/Lease/Exch.								
(1) V2527-A5	Now - Sale/Lease/Exch.								
(4) V2533-A5	Now - Lease								
(1) V2527-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950				
(1) V2527-A5	Now - Sale / Lease								
(1) V2527-A5	Now - Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138				
(1) V2527-A5	Now - Lease								
(1) V2527-A5	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0788				
(2) V2522-A5	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449				
(2) V2527-A5	Now - Lease								
(2) V2527-A5	Now - Sale/Lease/Exch.	Magellan Aviation Group	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715				
(3) V2533-A5	Now - Lease								
(1) V2527E-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717				
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111				

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) GTCP331-500B	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules					
(2) GTCP331-200ER, (2) GTCP131-9A, (1) GTCP131-9B	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) A321 Enhanced Landing Gear 2020 OH					
Neutral CFM56-7B QEC Kit	Now - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
(1) RE220, (1) APS3200, (1) GTCP131-9A	Now - Sale / Lease	Magellan Aviation Group	Drew Megorden	drew.megorden@magellangroup.net	+1 704-340-0273
(1) GTCP131-9B, (1) GTCP331-500B	Now - Sale / Lease				
A320 Landing gear shipsets	Now - Sale	GA Telesis	Danielle Rodon	landinggearsales@gatelesis.com	+1 954 865 9314
(2) GTCP331-350, (5) GTCP131-9A	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
(1) APS3200, (2) GTCP131-9B					
(1) GTCP36-150RJ, (2) GTCP36-100M, (1) RE220RJ, (1) PW126 RGB, (1) PW901A	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) APS1000-C12, (1) APS1000-C3					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	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	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale				
(5) GTCP131-9A, (1) GTCP131-9B, (1) GTCP331-200		GA Telesis	John Wales	apu@gatelesis.com	+1-417-622-7215
(2) GTCP331-350, (2) GTCP331-500, (1) APS3200B, (1) APS3200C					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000		Stephen Toutt	stands@gatelesis.com	+1-954-676-3111	
(1) APU GTC131-9A, (1) APU GTC131-9B	Now - Sale / Lease				
Engine stands now available	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease				