

Weekly Aviation Headline News

WORLD NEWS

Lufthansa extends cargo handling contract with WFS in Ireland

Lufthansa has extended its cargo handling contract with Worldwide Flight Services (WFS) in Ireland. The airline was one of WFS' launch customers in Ireland in 2005 and its operations are supported by WFS' stations in Dublin, Cork and Shannon. The airline currently operates four flights a day connecting Dublin and Frankfurt, as well as twice-daily Dublin-Munich services. WFS also provides handling services for Lufthansa's trucking operations ex Ireland to Frankfurt, Manchester and London.

British Airways welcomes back A380s from November

British Airways is set to welcome back its first A380 aircraft in November and operate its biggest schedule since March 2020. BA's A380 will initially operate to a number of short-haul destinations to allow for crew service familiarisation in November, shortly followed by operating to Miami and Los Angeles in the US, as well as Dubai in December.

Qantas selects Darwin for flagship Kangaroo route to London

Qantas has confirmed it will operate its flagship direct route from Australia to London via Darwin when international flights resume next month with the reopening of Australia's border. The national carrier has reached an agreement with the Northern Territory Government and Darwin Airport to temporarily reroute its flights from Melbourne and Sydney through Darwin.



Types like the A320 are offering compatible crew availability.

Photo:
Titan Airways

Strong demand spurs ACMI market

But flexibility for ACMI operators required

ACMI (wet lease - aircraft, crew, maintenance and insurance) leasing has been one of the sectors most impacted by the COVID-19 pandemic. Due to the lack of passenger demand and the inability of airlines to fully deploy their own capacity, dedicated ACMI lessors and airlines with excess capacity have found it extremely challenging to deploy their aircraft into ACMI leasing projects.

This is in stark contrast to the summer of 2019, when the global grounding of the 737 Max fuelled a lack of narrow body supply. Airlines faced challenges in sourcing enough ACMI aircraft to fill their capacity requirements.

But now, experts at ACC Aviation say they have some good news to share with ACMI airline operators - Leisure travel for summer 2022 is looking strong and previous one to three-month contracts

"This is going to give the existing ACMI providers a lot of comfort, as well as newcomers to the sector."

Dave Williams, Director of Leasing, ACC Aviation

that have dominated the past 12 months, will give way to six-month plus bookings, once again. "This is going to give the existing ACMI providers a lot of comfort, as well as newcomers to the sector," states

Director of Leasing Dave Williams. "Covid patterns have changed the way we go about our business - so there aren't any clean models, or historic trends to draw on anymore.

As a result, airline planning has been taking place three months at a time, throwing up even more opportunities for ACMI," Dave Williams notes.

Williams stresses the need to have a more flexible approach for ACMI work - especially

if it gets more pilots back in the workforce. Careful fleet and resource management is crucial for airlines who must factor in low season and high season. "Aircraft

Continued on page 3





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lessors increasingly recognise this, and we've been seeing a lot of flexibility from them since the pandemic, offering incentives like power by the hour. But it's not just about aircraft - it's getting seasonal crew trained and ready." ACMI airlines need seasonal crew for six months' minimum. Not two to three months, and that has been a big dilemma, Williams highlights.

The most popular, best-for-economics ACMI single aisle aircraft are the B737-800 or A320, offering compatible crew availability. Williams observes that there are not so many B737 classics around for ACMI and those that have been repossessed, new homes have swiftly been found. The widebody market is driven by long-haul demand and this is slowly beginning

to return. It is still unclear what exactly the long-haul market holds, but there are many aircraft that have been retired or phased out by the bigger airlines (B747 especially) in the last 18 months. There are plenty of A330's on the market available from leasing companies - many on attractive power-by-the-hour rates from lessors.

AIRCRAFT & ENGINE NEWS

DAE signs 147 lease transactions in first nine months of 2021

Dubai Aerospace Enterprise (DAE) has announced its business transactions update for the first nine months of 2021 for its aircraft leasing division, DAE Capital. The company acquired 23 aircraft during the first nine months, ten owned, and 13 managed, and it sold 23 aircraft (owned: 16; managed: seven) and signed three new servicing agreements covering six aircraft. DAE Capital reported that it signed 147 lease agreements, extensions, and amendments (owned: 128; managed: 19) in the first nine months of 2021. The fleet size of owned, managed, committed, and mandated to manage, was 425 aircraft.

Qantas finalizes ten-year program to renew domestic fleet

Qantas has entered the final stages of a formal tender process with aircraft and engine manufacturers for the long-term renewal of its domestic narrow-body fleet. The program, which has been flagged previously, will see more than 100 new aircraft enter the national carrier's domestic fleet by 2034, renewing the Boeing 737-800s and Boeing 717s that currently form the backbone of its domestic jet operations. Deliveries would start from the end of 2023, but the Group would retain significant flexibility to make adjustments depending on market conditions. The aircraft being considered are the Boeing 737 MAX family and Airbus A320neo family, as well as the smaller Embraer E-Jet E2 family and the Airbus A220. The tender process includes detailed evaluation of the aircraft against four key criteria: safety, reliability and performance, sustainability and emissions reduction, and commercial terms. Final decisions on preferred suppliers of aircraft and engines are expected to be made by the end of 2021 followed by firm orders by mid-2022.

Lufthansa signs new lease contracts for four Airbus A350-900 aircraft



Photo: Lufthansa Airbus A350 aircraft

The Lufthansa Group is accelerating the modernization of its long-haul fleet. The Group has signed leases for four state-of-the-art and fuel-efficient Airbus A350-900 aircraft with lessors Avolon, SMBC Aviation Capital, and Goshawk. As a result, the Group's A350 fleet will grow to 21 aircraft at the beginning of 2022. The Airbus A350-900s are scheduled to enter service with Lufthansa's core brand from the first half of 2022, strengthening the airline's premium offering. The twin-engine Airbus A350-900 aircraft consume only around 2.5 liters of kerosene per passenger per 100 kilometers flown. That is around 30% less than its predecessors, with a correspondingly positive impact on the carbon footprint. The aircraft will primarily replace four-engine long-haul aircraft from the Airbus A340 family. By the middle of the decade, the proportion of four-engine aircraft in the long-haul fleet is expected to fall to below 15%. Before the crisis, the share was around 50%. The new, fuel-efficient aircraft will reduce operating costs by around 15% compared with the types it will replace. As part of its comprehensive, long-term fleet modernization program, the Lufthansa Group will take delivery of a total of further 177 short-, medium- and long-haul aircraft this decade.

NAC signs agreement to lease four ATR 72-600 aircraft to Emerald Airlines

Regional aircraft leasing company Nordic Aviation Capital (NAC) has committed to lease four ATR 72-600 aircraft to Ireland's newest regional airline and operator of the Aer Lingus

regional routes, Emerald Airlines. Emerald Airlines has been granted the exclusive franchise for the Aer Lingus Regional route network from January 1, 2023, until the end of 2032. The airline is continuing to work closely with Aer Lingus to evaluate options with respect to an earlier contract start date. Just last month, Emerald

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Airlines also received its Air Operator Certificate (AOC) from the Irish Aviation Authority, proving its fitness-to-fly capability.

Air Asia Group and Airbus reach agreement over restructuring of massive plane order

Malaysia's Air Asia Group has come to an agreement with European planemaker Airbus over changes to an existing order for 362 narrow-body planes. As part of the arrangement, 13 A320neos will be switched to the larger A321neo model. While the original schedule for deliveries is not publicly known, the new schedule will see deliveries through to 2035. According to Reuters news agency, Airbus has also improved the terms of the purchase of the planes by the cash-strapped carrier in order to salvage the valuable contract. While Air Asia currently operates four A321neos, it put a halt on deliveries during the pandemic and during that period Airbus sold six A321neos that had been built for it. There had been considerable speculation from the carrier's auditors over Air Asia's ability to remain a going concern during the pandemic when taking into account its effect on the travel industry as a whole. However, this week AirAsia said it had received approval from Malaysia's only financial guarantee issuer for a loan of up to 500 million ringgit (US\$120 million) with an 80% government guarantee. AirAsia Group President Bo Lingam said the airline had thoroughly reviewed its network and fleet strategy as it prepares for travel to resume. "Our business model is robust, and there is a lot of pent-up demand," he said. "We are confident that our airlines will be able to rebound and recover strongly as soon as travel restrictions are lifted."

Leonardo launches Agusta brand



Dubai Expo 2020, Leonardo 3 AW609

Photo: Leonardo

Leonardo has announced the launch of a new initiative to reinforce its position in the world's VIP/corporate helicopter market, as it pioneers new advanced and sustainable air mobility solutions in the vertical flight domain. On October 2, Agusta became the brand that embodies the company's distinctive design, technology, and service philosophy and values in the executive transport rotorcraft sphere. Leveraging the heritage of an iconic name embedded in the helicopter industry community, and a symbol of commitment to stay at the forefront of innovation, Agusta is a unique combination of best-in-class performance, comfort, and refined Italian style. Leonardo is committed to providing operators now and into the future unmatched tailor-made solutions. New solutions will entail all new dedicated operational and customer services and information, aircraft interior and layout configurations, and bespoke possibilities in the VIP transport sector. The announcement took place at the grand opening of the new rotorcraft terminal by Leonardo and Falcon Aviation Services in Dubai, purposely designated Casa Agusta. The terminal will facilitate the mobility to and from the Expo 2020 site in Dubai. An AW609 TiltRotor and an AW609 full-scale VIP/corporate cabin mock-up will be on static display close to Casa Agusta for a limited period. The first appearance of the AW609 TiltRotor in the Middle East with its official presentation in Dubai marks the global commercial launch of the revolutionary multirole aircraft as it gets closer to its civil certification.



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Jet2.com orders 15 additional A321neos

Jet2.com has placed a further order for 15 A321neos following its initial order for 36 aircraft placed in August 2021. This takes the total order by the Leeds, United Kingdom-based airline to 51 A321neos. The two orders reflect Jet2.com's ambitious fleet expansion and renewal plans. Engine selection will be made at a later date. The aircraft will be configured for 232 seats with an airspace cabin featuring innovative lighting, new seating products, and 60% larger overhead baggage bins for added personal storage. The A320neo-family incorporates the latest technologies, including new-generation engines and sharklets, delivering a 20% reduction in fuel consumption per seat. With an additional range of up to 500 nautical miles/900 km, or two tons of extra payload, the A321neo will deliver Jet2.com with additional revenue potential.



Jet2 has placed an order for 15 additional A321neos

Photo: Airbus

Gulfstream introduces two all-new business jets



Photo: Gulfstream Aerospace has introduced two new business jets, the G800 and the G400

Gulfstream Aerospace, a wholly owned subsidiary of General Dynamics, has introduced two all-new aircraft, further expanding its ultra-modern, high-technology family of aircraft: the Gulfstream G800, the longest-range aircraft in Gulfstream's history, and the Gulfstream G400, the first new entrant to the large-cabin class in more than a decade. The G800 offers customers the longest range in the Gulfstream fleet with its 8,000-nautical-mile/14,816-kilometer range at Mach 0.85 and 7,000-nm/12,964-km range at Mach 0.90. Powered by high-thrust Rolls-Royce Pearl 700 engines and the Gulfstream-designed wing and winglet introduced on the Gulfstream G700, the G800 also features enhanced fuel efficiency and more city-pair capabilities. The all-new G400 offers a combination of long-range, high-speed performance; cabin comfort; and environmental efficiency. The G400 ramps up environmental performance by reducing fuel consumption, emissions, and noise through its use of Gulfstream's aerodynamic clean-wing design and advanced Pratt & Whitney PW812GA engines. The aircraft will fly 4,200 nm/7,778 km at its long-range cruise speed of Mach 0.85. Three floorplans are offered, with options for seating up to nine, 11 or 12 passengers, and the G400 provides the signature Gulfstream Cabin Experience and ten Gulfstream panoramic oval windows.

AIRCRAFT & ENGINE NEWS

Textron Aviation receives order for 20 Cessna Skyhawk aircraft

Textron Aviation has announced that Sichuan Longhao Flight Training Co., (Longhao Flight Training School) in China, has signed a purchase agreement for 20 Cessna Skyhawk piston aircraft. The aircraft, which are expected to be delivered throughout 2022, will be utilized for primary pilot training in southwest and central China, further expanding and enhancing Longhao's training efforts. China continues to experience a growing number of licensed pilots in recent years following the General Office of the State Council's efforts to accelerate the training and development of pilots. The school currently utilizes 14 Skyhawk aircraft and three flight simulators for pilot training, as well as a Cessna Citation M2 as an advanced training aircraft.



Cessna Skyhawk

Photo: Textron Aviation

TrueNoord leases Embraer E190 to Cobham Aviation Services



Photo: TrueNoord and Cobham Aviation Services have signed a six-year lease agreement for one Embraer E190

Cobham Aviation Services Australia has signed a six-year operating lease agreement with True Noord, the specialist regional aircraft lessor. The Embraer E190 (MSN 1900087) will be integrated into Cobham's fleet for immediate charter operation. Funding for the aircraft is underwritten by TrueNoord's existing revolving warehouse facility with Citibank, Société Générale and Royal Bank of Canada. CMS acted as legal counsel for TrueNoord with Alaris advising Cobham. The E190 has transitioned from TrueNoord's previous lessee Mandarin Airlines of Taiwan. It was temporarily stored in the Philippines before flying to Perth via Indonesia.

AerCap signs lease agreements with Spirit Airlines for 20 Airbus A320neo-family aircraft

AerCap has signed agreements with Spirit Airlines for the lease of 20 new Airbus A320neo-family aircraft. All 20 aircraft are scheduled to begin delivery in 2022 with deliveries continuing through 2023 and 2024. "We are excited to further our longstanding, strategic partnership with AerCap. These 20 new aircraft help us achieve our previously announced capacity plans for 2022 and 2023, and our targeted growth in 2024, as we continue our mission of delivering More Go and providing the best value in the sky," said Simon Gore, VP and Treasurer of Spirit Airlines.



Spirit Airlines has signed lease agreements for 20 Airbus A320neo aircraft with lessor

Photo: AerCap

AIRCRAFT & ENGINE NEWS

Genesis orders two 737-800 Boeing Converted Freighters

Genesis, the Dublin based aircraft leasing company, has entered into an agreement with Boeing to convert two 737-800 aircraft into freighters. The first 737-800 Boeing Converted Freighter (BCF) will be completed and ready to enter service in spring 2022 with a second aircraft ready to enter operations in early 2023. This move will allow Genesis to take advantage of the rapidly expanding global e-commerce market and in doing so will enhance the value and extend the life of its 737-800 fleet. Welcoming confirmation of the deal, Karl Griffin, CEO of Genesis said, "This new partnership with Boeing will enable Genesis to convert B737-800 aircraft by leveraging our existing portfolio in order to provide solutions to our expanding customer base and serve the growing eCommerce market well into the next decade."



Photo: Genesis has ordered two 737-800 Boeing Converted Freighters

Medical Airbus receives order for up to 44 new helicopters from Global Response



GMR will add a total of 21 Airbus helicopters from the H125, H130 and H135 families to its growing air medical fleet, with options for up to an additional 23 helicopters Photo: Airbus

Airbus has received a further firm order from Global Medical Response (GMR) for 21 helicopters from its H125, H130, and H135 families, with an option for a further 23 aircraft. GMR is one of the largest operators of Airbus helicopters and in the last 18 months alone took delivery of 15 of them as part of its Airbus fleet expansion program which currently runs at 133 aircraft. GMR delivers care through multiple operating brands, including Air Evac Lifeteam, Guardian Flight, Med-Trans Corp., and REACH Air Medical Services which, combined, transported more than 125,000 patients in 2020. "We fly a variety of Airbus products, but the main thing they have in common – and the most important thing we look for in our critical care transport solutions – is reliability," said Rob Hamilton, president of the GMR Alliances Group. "Our Airbus fleet allows us to respond quickly and transport critical patients with the appropriate level of care to give them the absolute best chance of survival. With the addition of these new aircraft, our fleet grows stronger and more capable to save lives when it matters most."

MRO & PRODUCTION NEWS

Textron Aviation to make further investments in European service network

Textron Aviation will make additional investments in its European service network, with an expansion of its Stuttgart line station facility becoming a satellite service center. The company is expanding its factory-direct service options at Stuttgart Airport delivering shorter downtime and increased flexibility to its customers with twice the amount of hangar space and the expert engineer team set to double in size. This added footprint and expertise at the Stuttgart satellite station will now add service capabilities for the Beechcraft King Air series this fall, further enhancing its service offerings for more than 100 operators in Germany. "We have strategically enhanced our footprint and capabilities in Europe due to the growing demand for services to ensure access to factory-direct service and support to customers," said Phil Jones, Vice President, European Service Centers. "This new service center model allows us to provide additional factory-direct support and deliver expert care to our aircraft owners and operators, regardless of where they are in the world."

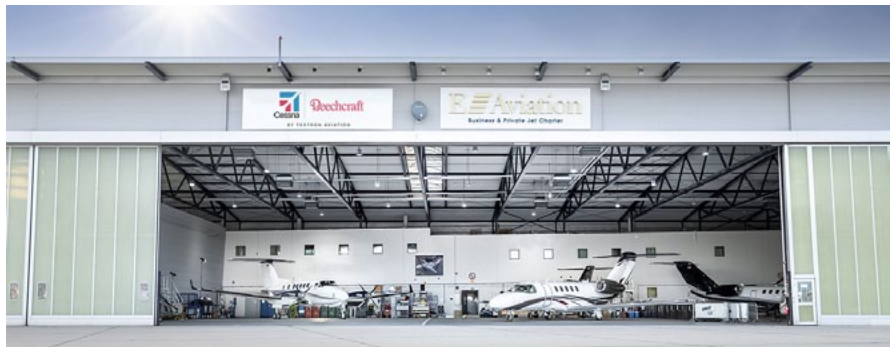


Photo: Textron Aviation expands service capabilities in Germany

AIRCRAFT & ENGINE NEWS

P&W gets firm order for ten GTF shipsets with option for 15 more from BOC Aviation

BOC Aviation Limited (BOC), a leading global aircraft operating leasing company, has announced a firm order for ten Pratt & Whitney GTFTM engine shipsets and an option for 15 further shipsets which will be used for its Airbus A320 neo-family aircraft which are on BOC's current order book which are scheduled for delivery between 2023 and 2024. "This repeat order reflects the highly efficient performance of the GTF engine that will continue to power a significant portion of our A320 family fleet and orderbook," said Robert Martin, Managing Director & Chief Executive Officer of BOC Aviation. "We have acquired 47 shipsets of GTF engines to date. Our relationship with Pratt & Whitney and its related entities dates back to 1997. Since then, engines produced by Pratt & Whitney have powered 230 aircraft in our portfolio, representing more than 25% of the total aircraft that we have purchased or committed to purchase." Rick Deurloo, Chief Commercial Officer, Commercial Engines, Pratt & Whitney, said, "We thank BOC Aviation for its continued confidence in the GTF engine. We have a strong, almost 25-year relationship with BOC Aviation, and we look forward to supporting its latest order of game-changing GTF engines.". The GTF engine powers five aircraft platforms, with the Airbus A220, the Airbus A320neo family and Embraer E190-E2 already in commercial service. The Mitsubishi Regional Jet (MRJ) and Irkut MC-21 are currently undergoing flight testing. The GTF engine has met all performance specifications since the start of entry into service. For example, the GTF-powered A320neo has achieved a 16% reduction in fuel consumption, a 75% reduction in noise footprint and a 50% reduction in nitrogen oxide emissions.

MRO & PRODUCTION NEWS

APOC acquires first CFM56-5b for up-cycling as engine portfolio expands

APOC has purchased its first CFM56-5b engine for immediate part-out. It is one of a range of engines that the business is sourcing to augment the new spare parts division and will comprise the complete array of components for overhaul including LLPs, fan blades, HPT, and HPC blades. The part-out will be undertaken by GA Telesis and is anticipated to be completed within the month. "APOC is able to offer A320-family aircraft operators' customers flexible green-time engine leasing solutions, so we need a range of assets to meet these varying needs" says Anca Mihalache, VP Engine Trading & Leasing. "We already part-out engines that come off-lease as they become un-serviceable, but as a fairly new department we are also buying engines directly for part-out and we have an impressive target for the acquisition and dismantlement of

MRO & PRODUCTION NEWS

GKN Aerospace to lead development of Electric Fan Thruster for electric aircraft

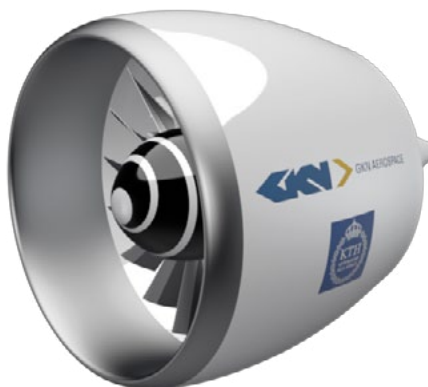


Photo: GKN Aerospace EleFanT

Under the project, which spans over 1.5 years, GKN Aerospace and KTH (the Swedish Royal Institute of Technology) will together develop fan technology for smaller regional aircraft. The project will study aerodynamic design, performance, noise, and manufacturing technology for a nested fan powered by electricity, either from batteries, hydrogen fuel cells, or even more conventional hybrid propulsion solutions. The proposed propulsion solution with a nested fan instead of a conventional propeller offers significant advantages in three main areas: safety, noise level, and engine installation. By rapidly demonstrating fan technology for electric aviation, the EleFanT project will accelerate the pace of electric aviation development and position the participants for international aero-engine and aircraft development projects. Europe's aviation industry has set clear targets and adopted an ambitious roadmap to achieve net zero emissions by 2050. Parallel development of different types of propulsion solutions for aircraft engines is one of the important steps to take. GKN Aerospace in Trollhättan, Sweden with its leading innovative aero-engine solutions and KTH with its wealth of experience in technology development can make a vital contribution to this technology step.

FINANCIAL NEWS

BNDES supports export of 24 Embraer aircraft to the U.S.

The Brazilian Development Bank (BNDES) has approved financing to export 24 Embraer E175 commercial jets to SkyWest Airlines, one of the largest regional aviation companies, based in Utah, U.S.A. The deal strengthens Brazil's industry at a time when it is still feeling the effects of the COVID-19 pandemic and boosts the presence of high-tech Brazilian products in the world's largest and most competitive aviation market. The deliveries began in August and will continue until April 2022. The financing of over US\$500 million (more than R\$ 2.6 billion), is in line with operations carried out by export credit agencies in countries with cutting-edge aeronautical industries. The aeronautical sector is considered strategic by nations due to key aspects such as advanced technology, continuous innovation, and highly skilled workers. Export credit agencies operate to complement the private credit market, doing so more intensely in times of crisis, which is clear in the history between the BNDES and Embraer.



Photo: Embraer E175 aircraft

engines over the next five years."

C&L Aerospace acquires legacy 500 inventory

C&L Aerospace, a C&L Aviation Group company, has acquired an Embraer Legacy 500 inventory

consisting of all parts from a tear-down project where the aircraft had very low time and cycles. All parts from the aircraft will be stocked in C&L's newest 27,000 ft² warehouse location in Bangor, ME. The inventory totals over 1,100 line items and covers everything from control surfaces to avionics,

MRO & PRODUCTION NEWS

landing gear, and all other rotables and structural components. This inventory acquisition is part of a major investment in the company's parts business, which in 2021 has included 15 aircraft tear-down projects including the nine ERJ 145 aircraft the company purchased from a European-based operator and a multi-million-dollar ATR spare parts purchase made by the company. As with all of C&L's inventory, these Legacy 500 parts will be inspected and made ready for sale, which includes photographing and barcoding each part and corresponding documentation which is sent as viewable links on all customer quotes.

IAI to convert A330-300 aircraft from passenger to freighter for Avolon

Israel Aerospace Industries (IAI) will convert an Airbus A330-300 aircraft from passenger to freighter configuration for aircraft lessor Avolon. As part of the agreement with Avolon, IAI will convert 30 Airbus A330-300 jets from passenger to cargo configuration between 2025 and 2028. The signing of the agreement with Avolon, the first customer for cargo conversions of this aircraft model, follows the backdrop of high profits in 2021 and the projected doubling of cargo aircraft traffic in the next 20 years due to increased e-commerce. Avolon has a fleet of 837 aircraft (as of June 2021) and in addition to being the first customer for cargo conversions for this aircraft, Avolon will fully take part in the aircraft conversion and licensing process. The A330-300 aircraft, which will be converted at IAI, will provide a competitive and advanced solution for cargo and commerce companies looking to expand and improve their wide-body cargo jet fleet. The converted model will increase cargo volume capacity with up to 27 main deck pallet positions and will improve the cargo loading capacity due to the unique cargo door placement and will support and enhance the operations surrounding cargo jet flights.

FINANCIAL NEWS

Aergo Capital announces financing of two wide-body aircraft on lease to Iberia

Aergo Capital (Aergo) has completed the sale and leaseback of two wide-body aircraft with Iberia. Aergo has now successfully closed the financing of these two Airbus A330-200 aircraft, bearing manufacturers serial numbers 1864 and 1882. Airbus Bank GmbH provided the financing for one of the aircraft (MSN 1864), which was arranged through Investec Bank and financing of the other aircraft (MSN 1882) was arranged by Ashland Place Finance, a commercial aviation financing platform. Both aircraft are subject to long-term leases with Iberia.

OTHER NEWS



Photo: from left to right: Emirates President Tim Clark and Qantas Group CEO Alan Joyce

Qantas and **Emirates** have announced they will extend their cornerstone partnership for another five years, meaning customers and frequent flyers of both airlines will have access to an expansive joint network, and millions of reward seats to travel across Australia, New Zealand, Europe, and the U.K. The agreement was signed by Emirates President Tim Clark and Qantas Group CEO Alan Joyce at the International Air Transport Association Annual General Meeting in Boston. The airlines have existing approvals from regulators to operate a joint business until

March 2023. Qantas and Emirates will seek re-authorization from relevant regulators, including the Australian Competition and Consumer Commission, to continue the core elements of the partnership including coordination of pricing, schedules, sales, and tourism marketing on approved routes until 2028. The deal includes an option to renew for another five years beyond that. Together, both airlines are making millions of reward seats available for frequent flyers to access more than 100 destinations using their Qantas Points or Skywards Miles, which many have been stockpiling throughout the pandemic.



Testing last-mile drone delivery of goods between Shannon Airport to Foynes Port

Photo: Skyports

FedEx Express, a subsidiary of FedEx Corp., in collaboration with **Future Mobility Campus Ireland** (FMCI) Air, have announced the completion of its first scheduled drone last-mile delivery flight in Ireland. The delivery marks the launch of a trial service delivering goods from FMCI, based at Shannon Airport, County Clare, to Foynes Port, County Limerick, Ireland's second-largest port operator and largest bulk port company. The drone deliveries were conducted by Skyports, a leading operator of cargo drone deliveries, on behalf of the FMCI Air consortium which also includes Avtrain, Shannon Group, and FMCI. The delivery of the first FedEx Express package in Ireland via drone demonstrates the benefits of drone delivery for last-mile service and the commitment by FedEx to exploring the latest innovations in last-mile delivery. The delivery is part of a month-long trial which will see a number of test flights conducted in the Mid-West region, beyond visual line of sight (BVLOS) between Shannon Airport and Foynes Port, with deliveries anticipated to be made in under 13 minutes. Clare County and Limerick City and County Council have shown their support for the project, highlighting the role that the councils are playing and leading from an innovation perspective.

FINANCIAL NEWS

SIA announces divestment of Asian Surface Technologies

SIA Engineering Company (SIAEC) has entered into an agreement with PAS TECHNOLOGIES B.V. (PAS) for the sale of SIAEC's entire 39.2% shareholding in Asian Surface Technologies (AST) to PAS. AST is a joint venture based in Singapore between SIAEC (39.2%), United Technologies International (20.0%) and PAS (40.8%). Its principal activities include the repair of aircraft engine fan blades and the provision of wear-resistant and high-temperature corrosion-resistant coating services to the aviation, and oil and gas industries. The consideration for the sale of SIAEC's 39.2% stake in AST to PAS is US\$2.79 million in cash. The agreement was concluded after negotiations on a willing-buyer, willing-seller basis, and after taking into account, inter alia, the net asset value and financial performance of AST. Based on AST's audited financial statements for the financial year ended December 31, 2020, the net asset value of the AST shares disposed of by SIAEC is SG\$3.81 million. SIAEC will recognize an estimated gain of SG\$2.68 million on divestment of its entire stake in AST. SIAEC has been reviewing its portfolio of joint ventures for consolidation, and to focus on building next-generation aircraft capabilities. The divestment decision was made in light of the declining work volume at AST. Completion of the sale has taken place and AST has ceased to be an associated company of SIAEC. (US\$1.00 = SG\$1.36 at time of publication.)

OTHER NEWS

Japan Airlines (JAL) has signed with **Thomas Global Systems** to equip the airline's Boeing 767-300/300ER fleet with the TFD-7000 Series drop-in liquid crystal display (LCD) flight displays. The JAL award follows TFD-7000 Supplemental Type Certificate (STC) approval from the **Japan Civil Aviation Bureau (JCAB)**. TFD-7000 Series displays provide a high-performance, cost-effective LCD retrofit that resolves critical issues around cathode ray tube (CRT) obsolescence, increases operational efficiency, and provides a growth platform for new functionality. The TFD-7076/7066 LCD solution replaces legacy Collins Aerospace EDU-776/766 CRT displays currently installed on Boeing 757, 767, and 737 Classic flight decks. The TFD7076/7066 LCD displays are both interchangeable and intermixable with the existing legacy EDU-776/766 CRT displays, are installable on overnights or at the gate, and are fully compatible with the EFIP-701 and EAP-701/3 Boeing symbol generators. STC approvals have been received from the FAA, EASA, Transport Canada, JCAB, ANAC and CAAC.

OTHER NEWS

On October 1, **Swissport** opened a new air cargo warehouse at **Halifax Stanfield International Airport**, its sixth cargo location in Canada and the third new Canadian warehouse in under half a year (besides Montréal-Mirabel International Airport and Edmonton International Airport). With the new 370 m² facility, Swissport complements its local offering in passenger services with air cargo handling and continues to deliver on its ambitions in the Canadian air cargo market. In comparison with 2019, the company's volumes in Canada are up 35%, underlining the need for increased warehousing and logistics capacity. "With the opening of new warehouses across Canada, we are leveraging Swissport's global expertise to deliver world-class air cargo handling at more Canadian airports," says Charles Roberge, CEO of Swissport in Canada. "We are adding more services in more places making sure we meet the growing needs of our customers and changes in the industry. With its comprehensive service portfolio Swissport in Canada aspires to be the partner of choice for global and local customer airlines alike and we will continue to invest in our service delivery."



Cargo handling

Photo: Swissport



Photo: World Routes 2021 Milan

With millions of jobs and national economies dependent on a strong restart of the air transport sector, **World Routes** will bring together decision-makers from airlines, airports, and tourism authorities in Milan this week (10-12 October) to rebuild global air connectivity. Now in its 26th year, World Routes has made a real impact on the world's route networks

with over 3,500 new air services being connected to meetings at the event in the last three years alone. More than 125 airlines will be present in Milan to develop recovery strategies including **Air Canada, Air China, Air France, American Airlines, Delta Air Lines, easyJet, Emirates, Etihad Airways, Iberia Airlines, International Airlines Group, Jet2.com, JetBlue, KLM Royal Dutch Airlines, Southwest Airlines, and Wizz Air**. Airline CEOs, government ministers, and association leaders will outline actions that the industry must take to accelerate the recovery during a series of conference sessions at the event. High-profile speakers include Jozsef Varadi, Chief Executive Officer of Wizz Air; Jason McGuinness, director of commercial of Ryanair; Garth Lund, CCO of Flair; Brad Dean, CEO of Discover Puerto Rico; Vijay Daryanani, Minister for Business, Tourism, Transport and the Port of the Government of Gibraltar; Luis Felipe de Oliveira, Director General of ACI World and Fabio Lazzarini, CEO of ITA. Hosted by SEA Milan Airports, in partnership with the Lombardy Region, the Municipality of Milan, ENIT – Italian Tourist Board and Bergamo Airport, World Routes will deliver long-term growth opportunities for the city and wider region. Air transport's contribution to the Italian economy is significant, supporting 714,000 jobs and contributing €46 billion (US\$53.4 billion) to the economy – accounting for roughly 2.7% of Italy's GDP in 2019. Following the impact of COVID-19, the positive catalytic effects of air connectivity in increasing trade, tourism, investment, labor supply, and market efficiency will be more important than ever in helping Italy to rebuild its economy.

OTHER NEWS

Alaska Airlines has further expanded its global reach with the announcement of a new code-share agreement with **Iberia Airlines**, a fellow member of the oneworld alliance. The agreement further strengthens the existing partnership between the two airlines by providing flyers with exciting and convenient travel options. The agreement allows passengers on Iberia to book travel and easily connect to more than 40 routes throughout Alaska's network for travel on or after October 7, 2021. On the West Coast, Iberia has nonstop service between Los Angeles and its Madrid hub, and seasonal service between San Francisco and Barcelona – enabling seamless connectivity to the Alaska network beyond both California cities. Alaska launched its partnership with Iberia on March 31, 2021, the same day Alaska formally became a member of the oneworld global alliance. Iberia has been a member of oneworld since 1999.

Kuehne+Nagel and **Lufthansa Cargo** have agreed on an exclusive partnership for the promotion and use of power-to-liquid aviation fuel. The logistics service providers have jointly committed to supporting the world's first production site for synthetic crude oil in Werlte/Emsland in Germany by purchasing the equivalent of 20 tons, or 25,000 liters, annually. Synthetic fuel is considered to be the fuel of the future, which should further reduce the CO2 footprint of aircraft engines. The production site in Werlte is operated by the **NGO Atmosfair** from Bonn. "We clearly see the key to a sustainable reduction of our emissions in flight operations in the research and use of synthetic, sustainable aviation fuels. The fact that we are now pioneering power-to-liquid technology together with Kuehne+Nagel makes us particularly proud and shows once again that we are actively tackling our climate protection challenges," explained Dorothea von Boxberg, CEO Lufthansa Cargo, on the strategic background to the partnership with Kuehne+Nagel. Atmosfair, a non-profit climate protection organization based in Berlin, has built its own plant to produce so-called "syncrude". Syncrude is the alternative to fossil crude oil produced by means of fluid coking, hydroprocessing, hydrotreating, and reblending.. This crude oil is then refined into finished Jet A1 fuel for aircraft at the Heide refinery north of Hamburg, fed into the refinery's total volume and delivered to Hamburg Airport. This first industrial plant is so far unique in Germany. Regular operation is planned by Atmosfair for the first quarter of 2022.

The **International Air Transport Association** (IATA) has warned that impending charge increases by airports and air navigation



Photo: Norwegian

Norwegian's traffic figures for September have shown a continued increase in the number of passengers as demand strengthens across its network. Traditional booking patterns are beginning to return, and the carrier is seeing more people planning ahead and booking to travel to popular city break and winter sun destinations. In September, Norwegian carried 977,719 passengers, an increase of 206% compared to the same period last year. Compared with September 2020, the total capacity (ASK) has increased by 154% and passenger traffic (RPK) was up 248%. Load factor in September was 72.4%, an increase of 20 percentage points compared to last year. Norwegian continues to ramp up operations in line with demand and the company has now reopened bases in Stavanger, Bergen, and Trondheim. Norwegian operated an average of 46 aircraft in September, of which 92.1% departed on time.



Photo: United Airlines

United Airlines (United) has announced that it will fly its biggest domestic schedule since the start of the pandemic to meet an expected surge in holiday travel, with an emphasis on connecting the Midwest to warm-weather cities like Las Vegas and Orlando as well as offering nearly 70 daily flights to ski destinations, including a new service between Orange County and Aspen. According to United, holiday travel flight searches on united.com and the airline's app are up 16%, compared to 2019. The airline expects the busiest travel days for the Thanksgiving holiday will be Wednesday, November 24 and Sunday, November 28, while popular days for winter holiday travel are expected to be Thursday, December 23 and Sunday, January 2. The airline plans to offer more than 3,500 daily domestic flights in December, representing 91% of its domestic capacity compared to 2019. In December, United will begin new direct flights to Las Vegas and Phoenix from Cleveland, and to Orlando from Indianapolis. The carrier also will resume eight popular direct flights from Midwest cities, including routes to Fort Lauderdale, Fort Myers, Orlando, and Tampa, offering the most mainline departures the airline has flown from Cleveland since 2014 including a direct service to Nassau and Cancun. United will offer up to 195 daily flights to 12 destinations in Florida this winter, the most flights to the Sunshine State in company history. United is also resuming direct flights from Columbus, Indianapolis, Milwaukee, and Pittsburgh to Fort Myers – which were some of the airline's most popular point-to-point flights last winter.

OTHER NEWS

service providers (ANSPs) will have a damaging effect on international connectivity while also stalling recovery in air travel. Confirmed increases scheduled by airports and ANSPs have already passed the US\$2.3 billion mark, while if all proposals tabled came into effect, that figure could multiply tenfold. "A US\$2.3 billion charges increase during this crisis is outrageous. We all want to put COVID-19 behind us. But placing the financial burden of a crisis of apocalyptic proportions on the backs of your customers, just because you can, is a commercial strategy that only a monopoly could dream up. At an absolute minimum, cost reduction—not charges increases—must be top of the agenda for every airport and ANSP. It is for their customer airlines," said Willie Walsh, IATA's Director General. As an example, Europe's skies are covered by 29 individual ASNs, most of which are state owned. Collectively, they are looking to recoup €8 billion (US\$9.3 billion) from carriers to compensate for lost revenue during the current pandemic. This figure is on top of an intended 40% increase in charges planned for 2022. Meanwhile, London Heathrow Airport is looking to increase its charges by 90% in 2020 and Amsterdam's Schiphol Airport is looking to increase its charges by 40% over the next three years. The principal problem for airlines with these increases is the current level of debt accrued during the pandemic. Globally, US\$110 billion of financial support provided needs to be paid back, so an increase in infrastructure costs could see multiple carriers fail. Instead, the IATA wants airport and ANSPs to implement sustainable cost control measures, tap shareholders, access capital markets, and seek government aid as a means to counteract the financial effects of the pandemic.

INDUSTRY PEOPLE



Oren Poleg

(Ret.) **Amir Geva** to EVP North America at IAI's headquarters, and additional management changes recently imple-

mented by the CEO. In his new position, Poleg will work to expand IAI's footprint in North America, including through advancement of mergers and acquisitions to help the company grow in the world's largest defense market. He is replacing Lt. Gen. Ted F. Bowlds (USAF, Ret.), PhD., who has served as acting CEO of IAI NA since July 2020.



Conor Brannigan

Magma Aviation, the innovative air cargo solutions company, has promoted **Conor Brannigan**, from Deputy CEO to CEO, following him joining the business in July 2021. **Ross Wilson**, former CEO, moves to the role of Strategic Advisor to the Magma Aviation Board of Directors. Since Magma Aviation launched in 2010, Wilson has been at the forefront of the business and instrumental in building it to the success it is today. He will continue to play an indispensable role in developing Magma Aviation further in this new role as Strategic Advisor.



Adam Voss

Joramco, the Amman-based aircraft maintenance, repair, and overhaul (MRO) facility, and engineering arm of Dubai Aerospace Enterprise (DAE), has named **Adam Voss** as its new Chief Operating Officer (COO) reporting directly to **Fraser Currie**, Joramco's CEO. Voss has more than 30 years' aviation experience in the maintenance and engineering of large commercial aircraft. He has worked across the Middle East, U.K., Asia, India, South Africa, and Australasia for leading carriers, most recently heading up South African Airways Technical as its CEO.

Rolls-Royce has released that **Grazia Vittadini**, former CTO at Airbus, will be joining as Chief Technology Officer, Designate, to succeed **Paul Stein** when he steps down next year after almost 12 years leading the company's pioneering research and technology efforts. Separately, **Harry Holt**, Chief People Officer,



Grazia Vittadini

has decided to leave to take up the post of Chief Operating Officer at Vertical Aerospace. His successor will be announced in due course. Vittadini, who will join on November 2, 2021, spent almost 20 years at Airbus and over the last decade held a number of senior positions, most recently Chief Technology Officer. As CTO, she piloted Airbus into bold, new, and sustainable technologies, ranging from electrification and hydrogen-based propulsion to digitization and Artificial Intelligence, autonomy, connectivity and advanced materials, while creating a diverse, high-performing technology organization. She stood down from her CTO role at Airbus in July and leaves at the end of October.

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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	Now	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	CFM56-5B63	3586	2008	Q1/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A319-131	Deucalion Aviation Limited	V2522-A5	2375	2005	Q1/2022	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	Now	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	Deucalion Aviation Limited	V2527-A5	3734	2009	Q2/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-200	GA Telesis	CFM56-5B6/3	5393	2012	Now	Sale / Lease	David Byrne	dbyrne@gatelesis.com	+353 86 780 8974
A320-200	GA Telesis	V2527-A5	2152	2004	Now	Sale	David Byrne	dbyrne@gatelesis.com	+353 86 780 8974
A320-214	Deucalion Aviation Limited	CFM56-5B4/3	3767	2009	Q4/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-230	Deucalion Aviation Limited	V2527-A5	4552	2010	Q4/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-232	Deucalion Aviation Limited	V2527	4323	2010	Now	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 7899 892493
A320-232	Willis Lease	V2527-A5	6865	2016	Nov 2021	Sale / Lease	Chris Giles	cgiles@willislease.com	
A320-232	Willis Lease	V2527-A5	7163	2016	Now	Sale / Lease	Chris Giles	cgiles@willislease.com	
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	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	Q4/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-200 (9x)	ALTAVAIR	Trent 772B-60/16	various	05 - 07	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
A330-200	Doric	Trent 772B-60/16	1407	2013	Now	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 24755931
A330-243	Willis Lease	Trent 772B-60	1293	2012	Now	Lease	Chris Giles	cgiles@willislease.com	
A330-243	Willis Lease	Trent 772B-60	1157	2010	Now	Lease	Chris Giles	cgiles@willislease.com	
A330-300 (3x)	ALTAVAIR	Trent 772-60/19	various	09-11	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
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	BBAM	CF6-80E1A3	1300	2012	Apr 2022	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	Deucalion Aviation Limited	Trent 772B-6	1146	2010	Q2/2022	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-300	Deucalion Aviation Limited	Trent 772B-60	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
A330-343	Willis Lease	Trent 772B-60	1157	2010	Now	Lease	Chris Giles	cgiles@willislease.com	
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	David Byrne	dbyrne@gatelesis.com	+353 86 780 8974
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	Now	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
B737-800	Deucalion Aviation Limited	CFM56-7B26E	40880	2012	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	Deucalion Aviation Limited	CFM56-7B27/3	37254	2011	Now	Sale / 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	Now	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004

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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
737-800SF	GA Telesis	CFM56-7B24	28616	2000	Dec 2021	Lease	David Byrne	dbyrne@gatelesis.com	+353 86 780 8974
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-200ER	GA Telesis	Trent 895-17	34376	205	Q4/2021	Sale	Kevin Ford	kford@gatelesis.com	+64 21 747109
B777-200ER	GA Telesis	Trent 895-17	34377	2006	Q4/2021	Sale	Kevin Ford	kford@gatelesis.com	+64 21 747109
B777-200ER	GA Telesis	Trent 895-17	34378	2006	Q4/2021	Sale	Kevin Ford	kford@gatelesis.com	+64 21 747109
B777-200ER	GA Telesis	Trent 895-17	34379	2007	Q4/2021	Sale	Kevin Ford	kford@gatelesis.com	+64 21 747109
B777-300ER	BBAM	GE90-115B	37898	2012	Apr 2022	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 7899 892493
B777-300ER	ALTAVAIR	GE90-115B	39686	2013	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
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
ATR-72-500	Willis Lease	PW120M	919	2010	Now	Lease	Chris Giles	cgiles@willislease.com	+44 1656 754 788
ATR-72-500	Willis Lease	PW120M	920	2010	Now	Lease	Chris Giles	cgiles@willislease.com	+44 1656 754 788
ATR-72-500	Willis Lease	PW120M	928	2010	Now	Lease	Chris Giles	cgiles@willislease.com	+44 1656 754 788
ATR-72-500	Willis Lease	PW120M	932	2010	Now	Lease	Chris Giles	cgiles@willislease.com	+44 1656 754 788
CRJ-200ER	Regional One	CF34-3B1	7941	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ER	Regional One	CF34-3B1	7937	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ERF	Regional One	CF34-3B1	7452	2000	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	15057	2005	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15087	2006	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15090	2006	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15095	2006	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15072	2006	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15073	2006	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4045	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4048	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007A1	145508	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007A2	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	Nbaw	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

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
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				
(1) CF34-8C	Now - Sale / Lease	Regional One	Elizabeth Giraldo	Egiraldo@Regionalone.com	+1 305-469-7253
(1) CF34-8E5	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				

RegionalOne

Engine Lease Finance

MAGELLAN
AVIATION GROUP



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CF34 Engines (cont.)	Sale / Lease	Company	Contact	Email	Phone
(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	Bill Polyi	bill.polyi@magellangroup.net	+1 980 256 7102
(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
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 7899 892493
(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				
(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

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@ftaiair.com	+1 786 785 0787
(1) CFM56-5B5/P	Now - Lease				
(1) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B2/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				
(2) CFM56-7B24/E	Now - Lease				
(2) CFM56-5C4	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				
(1) CFM56-3 (SVC, fresh PR)	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)1357 521144
(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) CFM56-5B4/P	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CFM56-5B3/P	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 980 256 7102
(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
(1) 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 2000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW2037	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiair.com	+1 786 785 0787
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(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
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				

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PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(2) PW150A	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(9) PW127M	Now - Sale/Lease/Exch.				
(1) PW121	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 980 256 7102
(1) PW123	Now - Sale/Lease/Exch.				
(1) PW127F	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(1) PW123E	Now - Sale/Lease/Exch.	Regional One	Duane Butler	dbutler@regionalone.com	+1 561-809-0001
(1) PW123B					
(1) PW127F					
(1) PW150A					
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 XWB-84k	Now - Lease				
(1) Trent772B-60	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(3) Trent 895-17	Now - Sale	GA Telesis	Kevin Ford	kford@gatelesis.com	+64 21 747109
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.				
(1) V2533-A5	Now - Sale/Lease/Exch.				
(2) V2533-A5	Now - Sale/Lease/Exch.	Chromalloy Material Solutions	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) V2527-A5	Now - Sale/Lease/Exch.				
(4) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2527-A5	Now - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) V2533-A5	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiairline.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	Bill Polyi	bill.polyi@magellangroup.net	+1 980 256 7102
(3) 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	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
Aircraft and Engine Parts, Components and Misc. Equipment					
Description		Company	Contact	Email	Phone
(1) GTC331-500B	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules					
(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					
(3) CFM56-3 Engine Stands (2x Otafilo 1x Frank Brown)	Now - Sale	KMS Aero	Sharon Brady	sharonbrady@kmsaero.com	+353419873030
GE90-115B – Fan Stator Module – P/N 2115M15G04		Altavair	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
Neutral CFM56-7B QEC Kit	Now - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
(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) GTC331-9B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(3) GTC331-350, (5) GTC331-9A	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
(1) APS3200, (2) GTC331-9B					
(1) APS2300, (1) GTC331-200ER, (1) APS1000-C12, (1) GTC331-150RJ	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 954-683-1893
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				
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(5) GTC331-9A, (1) GTC331-200, (1) GTC331-9B		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(2) GTC331-350, (3) GTC331-500, (1) APS3200C					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000			Ricky Torres	stands@gatelesis.com	+1-954-676-3111
(1) APU GTC131-9A, (1) APU GTC131-9B	Now - Sale / Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
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