

Weekly Aviation Headline News

WORLD NEWS

British Airways trials digital queuing technology

British Airways will be trialling new intelligent queuing technology from Qmatic, that will enable passengers to virtually queue at check-in by pre-booking their slot time in advance of arriving at the airport. The technology, that is optional for travellers, will be trialled by British Airways for three months on selected flights departing from Heathrow Terminal 5. Travellers will be sent an email before travel inviting them to book their personal check in time.

Atlas Air and Polar Air Cargo achieve CEIV certification

Atlas Air Worldwide announced that its companies Atlas Air, Inc. and Polar Air Cargo have each achieved the Centre of Excellence for Independent Validators (CEIV) Corporate Pharma credential from the International Air Transport Association (IATA), confirming their commitment to meeting pharmaceutical manufacturers' requirements to transport temperature controlled and time-sensitive products, including vaccines.

Delta and Aeromexico celebrate partnership

Delta Air Lines and its partner Aeromexico are celebrating four years of their leading Joint Cooperation Agreement (JCA), a transborder alliance between the U.S and Mexico that has provided, what the two carriers say is industry-leading service and benefits for more than 22 million customers since its launch in May 2017.



Alaska announced a restructured agreement with Boeing in December 2020.

Photo: Boeing

Alaska Airlines plan expanded route network

Increasing capacity with Embraer and Boeing jets

With recovery on the horizon, Alaska Airlines is taking advantage of strategic opportunities by adding 30 mainline and regional aircraft to fulfil capacity needs in the years ahead. Alaska expects domestic travel to return to pre-COVID levels by the summer of 2022, which will require more aircraft across the Group.

In preparation for the anticipated growth, Alaska is taking various measures to meet the planned surge in demand for travel including adding 17 new Embraer 175 jets to the regional

fleet in 2022 and 2023 – nine to be operated by Horizon Air and eight by SkyWest. The airline is exercising options for 13 Boeing 737-9 MAX deliveries in 2023 and 2024.

“We are excited to exercise options for more 737-9s just months after committing to 68 firm deliveries.”

Nat Pieper, SVP Fleet, Finance and Alliances, Alaska Airlines

delivery in 2022 and four in 2023. This is in addition to three existing firm E175 orders to be operated by Horizon. All eight SkyWest aircraft will enter service for Alaska in 2022, the carrier stated.

“Regional aircraft play a huge role in Alaska’s growing network,” said Nat Pieper, Senior Vice President of Fleet, Finance and

Alliances. “As our network expands, regional aircraft connect smaller communities to our larger hubs providing critical feed to assist in the development of new markets.”

Continued on page 3

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Alaska announced a restructured agreement with Boeing in December 2020 to acquire 68 737-9 MAX aircraft between 2021 to 2024, with options for another 52 deliveries between 2023 and 2026. The airline will accept the first 13 options over two years: nine in 2023 and four in 2024.

“We are excited to exercise options for more 737-9s just months after committing to 68 firm deliveries. It’s another indication that we’re

ready for growth,” added Pieper.

Alaska also announced new nonstop service to Belize City, Belize, in Central America from the West Coast. Belize will be the fourth country Alaska flies to from its West Coast hubs, joining Canada, Mexico and Costa Rica.

Alaska is also a recent addition to the OneWorld airline alliance.

AIRCRAFT & ENGINE NEWS

Airshare orders three super-midsize Challenger 350 aircraft

Airshare plans to double its fractional fleet with the addition of Bombardier’s Challenger 350 business jets. The company has ordered three super-midsize Challenger 350 aircraft, with options for 17 more, which will enable the Kansas City-based private aviation company to double the size of its fractional ownership fleet in the near future. Airshare selected the Challenger 350 aircraft as the catalyst for strategically expanding its revolutionary fractional ownership program beyond its core markets in the central United States, with the goal to soon begin serving customers on the East Coast. Airshare’s day-based program appeals both to business travelers seeking to maximize their efficiency and productivity and leisure travelers.

Orders and deliveries – Boeing and Airbus

Airbus v Boeing: Orders and Deliveries

April 2021 YTD

Airbus			Boeing		
Type	Orders	Deliveries	Type	Orders	Deliveries
A220	19	12	737	48	67
A320 Family	-53	139	747	2	1
A330	1	3	767	27	7
A350	-2	16	777	16	8
A380	0	0	787	-16	11
Total	-35	170	Total	77	94

Source: Airbus

Source: Boeing

In April, Airbus delivered 45 aircraft to 30 operators including 3 A220s and 34 A320 Family jets. Boeing generated 25 orders in April including 5 777Fs to Silk SkyWest Airlines, during the month, Boeing delivered 17 airframes.

Rolls-Royce officially unveils Pearl 10X engine

Rolls-Royce has officially unveiled the Pearl® 10X, the third and most powerful member of its Pearl engine family for the business aviation market. The engine has been optimized to exclusively power Dassault’s brand-new flagship aircraft, the Falcon 10X, which was revealed during a digital ceremony at Le Bourget airport in Paris on May 6. The Pearl 10X is the newest member of the state-of-the-art Pearl engine family and the first Rolls-Royce engine ever to power a business jet of the French airframer. Dassault’s selection of the Pearl 10X for its new top-of-the-range product is another testament to Rolls-Royce’s position as the engine manufacturer of choice in business aviation. The engine is being developed at the Rolls-Royce Center of Excellence for Business Aviation Engines in Dahlewitz, Germany, and is currently undergoing a comprehensive test program, which includes the capability to operate on 100% sustainable aviation fuels. One of the new key features of the Pearl 10X will be 3-D-printed combustor tiles, manufactured by an advanced additive layer manufacturing process. This pioneering technology, which supports the exceptional environmental performance of the engine, has been developed and extensively tested as part of Rolls-Royce’s Advance2 program.



The Pearl 10X engine will power Dassault’s brand-new aircraft, the Falcon 10X

Photo: Rolls-Royce

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Embraer sells Praetor 600 to Aerodata for flight inspections

Embraer has signed a contract with Aerodata AG, from Germany for the sale of one Praetor 600 to be converted into a Flight Inspection Aircraft, to fulfill the full range of flight inspection missions. The aircraft is scheduled to be delivered to Aerodata in 2022 when it will begin to install the systems and equipment required to execute the intended missions. The state-of-the-art Praetor 600 aircraft fully complies with the high-level requirements of the end-user and is prepared for the installation of Aerodata's most modern flight inspection system AeroFIS®. After the modification, the aircraft will be delivered and operated by the Ministry of Land, Infrastructure and Transport, Seoul Regional Office of Aviation, Flight Inspection Center in South Korea, which has conducted an international public tender for this acquisition and will be the end-user of the solution. This is the first time Embraer is selling an aircraft for this kind of mission outside of Brazil, opening new market opportunities for the planemaker's innovative solutions using current products. The contract with Aerodata also includes training both for pilots and mechanics, and an initial support package for the final end-user. The aircraft will be equipped with state-of-the-art equipment, such as head-up displays (HUDs), high-end communication systems, paperless operation capability, and additional customized interior features. The fully configured Praetor 600 Flight Inspection Aircraft will be a state-of-the-art platform able to perform a wide array of flight inspection tasks in the modes of site survey, surveillance, commissioning inspection, periodic inspection, any special inspection, procedure validation, and ADS-B airborne checks.



An Embraer Praetor 600 aircraft will be converted into a Flight Inspection Aircraft

Photo: Embraer

FAA gives Boeing's troubled 737 MAX all-clear over fix for electrical faults



United Airlines Boeing 737 MAX

Photo: AirTeamImages

The fix for electrical faults on the Boeing 737 MAX that forced over 100 of the jets to be grounded in early April has received approval from the Federal Aviation Administration (FAA). Two bulletins with appropriate fixes which received FAA approval have been sent to affected carriers. "After gaining final approvals from the FAA, we have issued service bulletins for the affected fleet," Boeing told Reuters news agency. "We are also completing the work as we prepare to resume deliveries." The FAA's Administrator, Steve Dickson, advised U.S. lawmakers that the electrical issue would need a "pretty straightforward fix," and that he remained fully confident in the safety of the troubled jet which had only returned to the skies in November 2020 after a 20-month grounding following two fatal crashes. The electrical problem was a consequence in a change to manufacturing methods of the jet in order to speed up productivity. Initially, only one problem had been identified, which was linked to a back-up power control unit in the cockpit on a number of recently manufactured 737 MAXs. However, the same problem was subsequently discovered in the storage rack where

the unit was housed, and the instrument panel facing the pilots. U.S. carriers were hardest hit with 60 of their planes affected out of 109 worldwide. United Airlines expects its "Boeing 737 MAX aircraft to return to service in the coming days as we complete our inspection process and ensure those aircraft meet our rigorous safety standards." American Airlines has confirmed that it will begin making required changes and anticipates "all affected aircraft will begin safely returning to service in the upcoming days." Southwest Airlines with 32 affected planes, said it estimates the work will take two to three days per aircraft and estimates it will take about three weeks to complete the work necessary.

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YTO Cargo selects Pratt & Whitney for PW4000 engine support

YTO Cargo has selected Pratt & Whitney for support of its new fleet of in-service Boeing 767-300ERs powered by PW4000 94-inch engines. A cargo airline headquartered in Hangzhou, China, YTO Cargo will receive a support service package from Pratt & Whitney as part of the agreement for selecting the PW4000. The service package will allow for smooth entry into service of the 767-freighter fleet. "This agreement with Pratt & Whitney came after careful considerations in terms of engine experience, reliability and supportability within China," said Hongxiang Li, President of YTO Cargo Airlines. "The support package will help ensure our operations are efficient as we continue to grow our fleet and our business." Pratt & Whitney has delivered more than 2,500 PW4000 94-inch engines that have collectively logged more than 140 million flight hours on commercial aircraft around the world. The PW4000 94-inch engines power Boeing 747, 767 and MD-11 aircraft, as well as Airbus A300 and A310 aircraft.

ATR to optimize Asia Pacific Repairs with Skyways Technics

ATR is strengthening its partnership with Skyways Technics' Malaysian branch to further support aftermarket needs in the Asia Pacific region. The synergy will offer support and facilitate the management of sensitive structural component repairs such as leading-edge repairs, flight controls, and flaps. David Brigante, SVP Programmes and Customer Support at ATR remarked: "As a manufacturer we are always looking for opportunities to improve our offer to our airlines and customers. This partnership allows us to consolidate and improve our GMA offer. Operators can benefit from the best of both worlds, a specialized repair partner and the manufacturer's expertise. Skyways Technics' strong local presence in Asia Pacific also guarantees our operators in the region the best quality leading edge, flap, and flight control repairs, managed in a timely and cost-effective manner."

GA Telesis signs Boeing 767 teardown consignment agreement with major North American airline

GA Telesis has signed a Boeing 767 teardown consignment agreement with a major

AIRCRAFT & ENGINE NEWS

SmartLynx Airlines adds five Airbus A330 aircraft for cargo operations

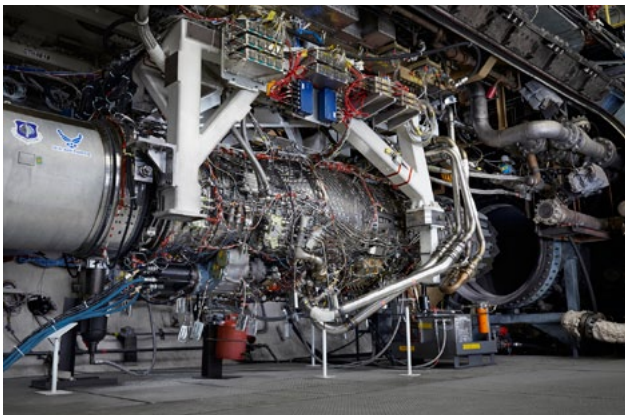


The Airbus A330 aircraft will be modified to zero LOPA by removing passenger seats

Photo: SmartLynx

SmartLynx Airlines Malta, EU-based specialists in full-service ACMI aircraft leasing solutions, has announced an important addition to its Airbus fleet. Currently operated Airbus A320 and A321 aircraft will be joined by the Airbus A330 aircraft type with a goal to become leaders of long-haul market. The five Airbus A330 aircraft will be modified to Zero LOPA by removing passenger seats and preparing aircraft for cargo flights. The planes are planned to be added to SmartLynx Airlines' fleet during May and June. According to IATA, in April 2021, air cargo demand reached an all-time high and was up 9% compared to pre-COVID levels (Feb 2019). The increased market demand for long-haul cargo operations prompted SmartLynx Airlines to grow its fleet and introduce the modified aircraft, able to transport cargo shipments, including vaccines and medical supplies, on long-haul flights.

Testing on GE's First XA100 adaptive cycle engine concludes



GE has completed testing of its first XA100 adaptive cycle engine

Photo: GE

GE has completed testing of its first XA100 adaptive cycle engine, ushering in a new era of combat propulsion. GE initiated testing at its Evendale, Ohio, altitude test facility on December 22, 2020. The engine's performance and mechanical behavior were consistent with pre-test predictions and fully aligned with the U.S. Air Force's Adaptive Engine

Transition Program (AETP) objectives. This successful test validates the ability of GE's XA100 engine to deliver transformational propulsion capability to fighter aircraft. "This was the most heavily instrumented engine test in both GE and U.S. Air Force history. We were able to obtain an immense amount of high-quality test data proving out the engine's capabilities and demonstrating a good return on the Air Force's investment," David Tweedie, GE Edison Works' General Manager for Advanced Combat Engines, explained. "The Air Force has been an integral part of the team throughout the entire design and test process. That extensive involvement has been key in reaching this milestone. It has been an incredible partnership and collaboration."

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North American airline. The contract was completed through a partnership with GA Telesis' Component Solutions team for the distribution and resale of parts removed from the 767 aircraft. As one of the global leaders in component supply chain solutions and with distribution centers on six continents, GA Telesis is uniquely positioned to provide real-time support solutions to its airline customers worldwide using this highly sought-after inventory. After successfully managing hundreds of consignments over the past 19 years, GA Telesis is proud to assist this customer in marketing its 767-component surplus.

FINANCIAL NEWS

IAG Cargo reports strong first-quarter revenues

IAG Cargo, the cargo arm of International Airlines Group (IAG) has reported its first-quarter financial results with cargo markets still impacted by the pandemic. Revenues of €350 million were achieved from January 1 to March 31, 2021 an increase of 50% at constant currency versus the same period last year. Overall yield for the quarter was also up 106% at constant currency versus last year, while sold tons were down 20.9%. Following the continued reduction in passenger belly-hold air freight supply due to COVID-19, IAG Cargo reported another strong quarter. Working with the Group's airlines, IAG Cargo continued to support customers with charter services and a scheduled cargo-only program. Charter services supported the automotive and manufacturing sectors as supply chain disruption and increased demand resulted in a need for airfreight capacity. Charters also proved to be a popular solution for e-commerce customers as consumers continue to favor online shopping. In March IAG Cargo's 'Critical' service, a premium product for urgent and emergency shipments, experienced its strongest month with its highest-ever booking volumes as demand increased for high-priority shipments. There was real variety in these critical shipments with movements including ophthalmic instruments, aircraft parts, and a generator from Sweden to Jamaica following multiple power outages on the island. The business also focused on providing additional capacity on priority routes for customers, adding wide-body aircraft to short-haul European routes that feed into its main hubs; London-Heathrow, Madrid-Barajas and Dublin Airport. (€1.00 = US\$1.20 at time of publication.)

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Jet Aviation receives EASA STC for cabin installation methodology on Boeing 787



Boeing 787 aircraft

Photo: Jet Aviation

Jet Aviation has received a Supplemental Type Certificate (STC) from the European Union Aviation Safety Agency (EASA) for the methodology and analyses used by the completion center in certifying interior installations on Boeing 787 aircraft. An EASA supplemental type certificate is issued by the European Union Aviation Safety Agency when the completion center has received approval to modify or add to the original design of the airframe, for example by installing a custom VVIP interior. With this STC, Jet Aviation is now able to apply methodologies and analyses that are pre-approved by EASA to streamline the certification process for cabin installations. As part of the certification process, the completion center developed hardware, processes, data sets, and methods that standardize the assessment and approval approach, while allowing for complete customization of the cabin interior.

StandardAero to provide Air Nostrum with PW127M and APU services



Air Nostrum ATR 72-600

Photo: AirTeamImages

Spanish regional airline Air Nostrum has selected StandardAero to provide support services for the Pratt & Whitney PW127M engines powering its fleet of ATR 72-600 regional turboprops. Under the exclusive five-year agreement, StandardAero will provide Air Nostrum with PW127M hot section inspections (HSIs) and additional services from its OEM-authorized PW100 Designated Overhaul Facilities (DOFs) in Gonesse, France and Summerside, PE, Canada. Air Nostrum has also renewed its selection of StandardAero as the exclusive support provider for the Honeywell GTCP36-150RJ and RE220[RJ] auxiliary power units (APUs) equipping the airline's fleet of CRJ200 and CRJ900/1000 regional jets. Under these contract renewals, StandardAero will continue providing Air Nostrum with a range of services for the GTCP36-150RJ and RE220[RJ] from its Maryville, TN location, which is a Honeywell-approved Authorized Service Center for the APUs.

FINANCIAL NEWS

Triumph Group sells three aerostructures sites to Arlington Capital Partners

Triumph Group has completed the sale of three of its aerostructures sites to Arlington Capital Partners. The transaction was effective May 7, 2021 and includes the Triumph Composites business consisting of the Milledgeville, Georgia and Rayong, Thailand operations, as well as its structures operations in Red Oak, Texas. Combined, the businesses encompass approximately 1.8 million ft² of factory space and employ approximately 900 people. The Triumph Composites businesses provide structural and engine composite fabrications and assemblies across commercial, business jet, and defense platforms. The Red Oak operations specializes in the manufacture of large, complex composite and metallic structures such as wing, empennage, and fuselage assemblies. Arlington Capital Partners plans to continue operations at all three locations under the business name "Qarbon Aerospace" and will maintain the leadership and employees currently supporting the business. Pete Wick, formerly Executive Vice President of Triumph Group who ran all of Triumph Aerospace Structures, will lead Qarbon Aerospace as CEO. Triumph Group, headquartered in Berwyn, Pennsylvania, designs, engineers, manufactures, repairs, and overhauls a broad portfolio of aerospace and defense systems, components, and structures. The company serves the global aviation industry, including original equipment manufacturers and the full spectrum of military and commercial aircraft operators.

Willis Lease Finance posts first-quarter pre-tax loss of US\$1.7 million

Willis Lease Finance has reported first-quarter total revenues of US\$61.1 million and a pre-tax loss of US\$1.7 million. The company reported lower revenue in the first quarter when compared to the prior year period, primarily due to the impact of the COVID-19 pandemic. The slowdown in global travel continues to impact aircraft and engine utilization as well as demand for aircraft and engine spare parts. For the three months ended March 31, 2021, aggregate lease rent and maintenance reserve revenues were US\$51.3 million and spare parts and equipment sales were US\$4.6 million. As of March 31, 2021, the company's US\$1.888 billion equipment held for operating lease portfolio and US\$197.6 million notes receivable represented 295 engines, eight aircraft, one marine vessel, and other leased parts and equipment. As of

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Liebherr on board Dassault's new Falcon 10X business jet



Latest Liebherr technology on board the Falcon 10X

Photo: Dassault Aviation

On May 6, 2021 the Falcon 10X was launched by Dassault Aviation and Liebherr will supply major systems and components for the all-new business jet. Liebherr-Aerospace Toulouse SAS (France), Liebherr's center of excellence for air management systems, is responsible for the Falcon 10X's integrated air management system. This major work package covers the bleed, air conditioning, cabin pressure control, air preparation, overheat detection, and wing anti-ice protection systems. Building on the architecture of the Dassault Falcon 6X air management system also provided by Liebherr, this new package provides a combination of robust and proven equipment, along with new Liebherr component technology developments. One example is the introduction of smart valves developed by Liebherr, which offer increased digital control, opening the door to system control optimization and increased product health management. Furthermore, the Liebherr-Aerospace team in Lindenberg was commissioned by the Canadian company Héroux-Devtek to supply landing gear actuation and steering components for the Falcon 10X. Based on its experience, Liebherr was able to offer for the business jet latest technology within a very short time in line with the newest environmental requirements.

December 31, 2020, the company's US\$1.887 billion equipment held for operating lease portfolio and US\$158.7 million notes receivable represented 291 engines, eight aircraft, one marine vessel, and other leased parts and equipment.

IAI reports increase of 23.5% in net income in first quarter

Israel Aerospace Industries (IAI), Israel's largest national military and civilian security defense company, has issued its consolidated financial statements for the quarter ended March 31, 2021. The company's sales in Q1 2021 totaled approx. US\$1,015 million compared with approx. US\$1,018 million in Q1 2020, a decrease of US\$3 million mainly arising from the increase in the sales of Systems Missiles & Space Group and of ELTA Group, offset by the decrease in the sales

of the Aviation Group and Military Aircraft Group. The sales of the Military Groups in Q1 2021 increased by approx. 12% to US\$914 million compared with US\$816 million in Q1 2020, an increase of about US\$98 million. The Aviation Group sales in Q1 2021 decreased by approx. 27% to US\$237 million compared with US\$323 million in Q1 2020 – a decrease of US\$86 million arising from the crisis in the global aviation industry. Export sales in Q1 2021 accounted for 71% of sales at approx. US\$722 million (approx. US\$ 293 million to Israel, representing 29% of sales) compared with approx. US\$724 million, accounting for 71% of sales in Q1 2020 (approx. US\$294 million to Israel, representing 29% of sales). Net income in Q1 2021 grew by approx. 23.5% to US\$42 million (approx. 4.1% of sales), compared with net income of approx. US\$34 million (approx. 3.3% of sales) in Q1 2020. The net income of the Military Groups in Q1 2021 increased by some 39% to approx. US\$68

FINANCIAL NEWS

million compared with approx. US\$49 million in Q1 2020, an increase of US\$19 million. The net loss of the Aviation Group in Q1 2021 amounted to approx. US\$8 million compared with a loss of approx. US\$2 million in Q1 2020. EBITDA in Q1 2021 grew by approx. 17.6% to approx. US\$120 million (approx. 11.8% of sales), compared with approx. US\$102 million (approx. 10% of sales) in Q1, 2020.

AerCap shareholders approve acquisition of GECAS

AerCap Holdings N.V. has released that its shareholders have approved the previously announced acquisition of GE Capital Aviation Services (GECAS), a General Electric business, at the Annual General Meeting of shareholders held on May 12. The transaction remains subject to the receipt of necessary regulatory approvals and to the satisfaction of other customary closing conditions. AerCap has its headquarters in Dublin with offices in Shannon, Los Angeles, Singapore, Amsterdam, Shanghai, Abu Dhabi, Seattle, and Toulouse. AerCap is listed on the New York Stock Exchange (AER).

Fly Leasing reports first-quarter 2021 financial results

FLY is reporting a net loss of US\$3.4 million for the first quarter of 2021. This compares to net income of US\$38.1 million for the same period in 2020. During the first quarter of 2021, FLY recognized US\$5.9 million of costs associated with the pending transaction with Carlyle Aviation. Adjusted net loss was US\$1.4 million for the first quarter of 2021, compared to adjusted net income of US\$43.6 million for the same period in the previous year. On March 31, 2021, FLY's total assets were US\$3.1 billion, including investment in flight equipment totaling US\$2.8 billion. Total cash on March 31, 2021 was US\$151.2 million, of which US\$117.2 million was unrestricted. On March 31, 2021, FLY's net debt-to-equity ratio was 2.2x, reduced from 2.3x as of December 31, 2020. FLY announced on March 29, 2021 that it had entered into a definitive agreement to be acquired by an affiliate of Carlyle Aviation Partners (Carlyle Aviation), the commercial aviation investment and servicing arm within The Carlyle Group's US\$56 billion Global Credit platform. Under the terms of the merger agreement, FLY shareholders will receive US\$17.05 per share in cash, representing a total equity valuation of approximately US\$520 million. The total enterprise value of the transaction

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Airbus resumes work on modernized A320-family FAL in Toulouse



Photo: Airbus A321LR

Airbus has resumed work on the modernization of its A320-family industrial capabilities in Toulouse. This will provide Airbus with increased flexibility throughout its global industrial production system to respond to market recovery and future demand. The modernized, digitally enabled A320/A321 final assembly line (FAL) will replace one of the original Toulouse A320 FALs. It will be installed in the former A380 Lagardère facility and should be operational by the end of 2022. Initial plans to introduce A321 production capabilities in Toulouse were put on hold at the outset of the COVID-19 crisis, following the decision to reduce commercial aircraft production by around 40%. Now, with market recovery in sight and a potential return to pre-COVID production rates for single-aisle aircraft between 2023 and 2025, Airbus is resuming its activities for the project. Hamburg, Germany, and Mobile (Alabama), U.S.A., are currently the only Airbus production sites configured to assemble A321s. The modernized A320-family FAL in Toulouse will help improve the working conditions, the overall industrial flow, as well as the quality and competitiveness by adding a new-generation assembly line to the Airbus single-aisle production system. This higher level of A321 production flexibility will also support entry-into-service of the A321XLR from Hamburg starting in 2023.

Gamma Aerospace completes US\$10 million in capabilities expansion at two locations

Gamma Aerospace has completed a US\$10 million expansion of service offerings at its Mansfield, Texas operation and its Rapid Anodizing facility (a wholly owned company subsidiary) located in Los Angeles, California. Headquartered in Mansfield, Texas, Gamma Aerospace is a specialized, end-to-end provider of engineered airframe and flight components for leading original equipment



Special processing at Gamma Aerospace in Mansfield, TX Photo: Gamma Aerospace

manufacturers and Tier I suppliers in the aerospace and defense industries. The capital investment augments existing processes at the Mansfield and the Rapid Anodizing operations, which include machining, forming, heat treating and assembly of aerospace components. The new investment funded expansion into a range of advanced special processing capabilities that include anodizing, priming/painting, chemical conversion coating and fluorescent penetrant inspection. The new in-house, premium quality special processing services make Gamma Aerospace a total solutions provider: capable of taking in sheet or plate metal, performing all specified processing, producing finished aerospace components, and providing these services in record turnaround times for the aerospace industry.

FINANCIAL NEWS

is approximately US\$2.36 billion. The transaction is expected to close in the third quarter of 2021 and is subject to customary closing conditions, including applicable regulatory clearance and the approval of FLY's shareholders.

ST Engineering and Temasek to establish freighter aircraft leasing JV to meet growing demand

The wholly owned aviation asset management unit of Singapore Technologies Engineering (ST Engineering) and the Singapore-headquartered investment company Temasek have announced the intention to create a 50-50 joint venture for freighter aircraft leasing to meet the expanding demand for freighter aircraft as e-commerce and air cargo volumes expand globally. The JV has set a five-year target of establishing a US\$600 million portfolio of passenger aircraft for conversion to highly efficient freighters. Additionally, ST Engineering will provide the associated maintenance, repair and overhaul services to these aircraft and will be the asset and lease manager to the JV. The portfolio will be made up of narrow-body aircraft, providing an option to operators to reuse older passenger aircraft and give them a new lease of life as more fuel-efficient freighters. The JV will set relevant environmental, social and governance (ESG) criteria for its investments and work with prospective clients to help reduce their carbon footprint through the use of sustainable aviation fuels and enhanced engine maintenance programs. The JV will also target the purchase of passenger aircraft at lower prices as their value has fallen owing to the fall-off in passenger demand during the COVID-19 pandemic, the financing of which will be through a mix of equity and debt. "This joint venture represents a significant step by ST Engineering in growing our aviation leasing business as we expand beyond passenger aircraft and engines to include freighter aircraft assets as part of our portfolio," said Jeffrey Lam, President/Head of Commercial Aerospace, ST Engineering. Uwe Krueger, Head, Industrials, Business Services, Energy & Resources, Temasek, added, "As an investor and shareholder, we are focused on embedding sustainability in our investment approach. The joint venture with ST Engineering represents an opportunity for both of us to identify solutions for the reduction of carbon emissions, even in a traditionally carbon-intensive industry, by putting capital to work in those solutions."

MRO & PRODUCTION NEWS

MTU Maintenance delivers 500th CF34-10E engine to Kenya Airways



The virtual handover ceremony of the 500th overhauled CF34-10E engine

Photo: MTU

MTU Maintenance handed over its 500th overhauled CF34-10E to customer Kenya Airways in a virtual ceremony on May 11. MTU Maintenance has maintained a number of Kenya Airways' CF34-10E engines since 2016 and CFM56 engines since 2019. "Despite these unusual times, we are delighted that it was possible to celebrate this success and milestone with Kenya Airways virtually," says André Sinanian, Managing Director and Senior Vice President, MTU Maintenance Berlin-Brandenburg. "At MTU Maintenance, we take pride in our performance and reliability and are proud our customers return to us time and time again."

FL Technics Engine Services to become one-stop shop for CFM56-family engine repair



Photo: FL Technics Engine Services

Following a successful start of operations late last year, FL Technics Engine Services, a subsidiary of FL Technics, an MRO organization, has announced the addition of more EASA Part 145 approved services for engine repair and maintenance. In addition to previously available services that include engine external examination, bore blending, engine preservation and storage services, QEC/LRU removal and installation, top case repair, and lease return services, FL Technics Engine Services will now offer its clients the full scope of crucial services for CFM56-family engines related to fan, hot section, and low-pressure turbine repair. The newly added services will be provided at a brand new fully authorized three-bay quick-turn activities engine shop located at KUN/FEZ, next to FL Technics' base maintenance hangar, offering clients a convenient one-stop shop experience. FL Technics Engine Services quick-turn engine shop opened its doors last year and now allows customers to optimize their engines' time on wing (ToW), while simultaneously optimizing and minimizing costs using the full scope of FL Technics Engine Services' and FL Technics' one-stop MRO services.

FINANCIAL NEWS

Air Canada posts first-quarter 2021 net operating loss of CA\$1.304 billion

For the second year running, Air Canada has posted a massive net first-quarter operating loss. This year the carrier has reported a CA\$1.304 billion loss (CA\$3.90 per diluted share) compared to a first-quarter operating loss of CA\$1.049 billion (CA\$4.00 per diluted share) in 2020. In the first quarter of 2021, on a capacity reduction of 82%, operating expenses of CA\$1.778 billion decreased CA \$2.377 billion (57%) from the first quarter in 2020. First-quarter 2021 net cash flows used in operating activities of CA\$888 million deteriorated by CA\$868 million from the first quarter 2020 on lower operating results as a consequence of the continued impact of the COVID-19 pandemic and associated travel restrictions. Net cash burn in the first quarter of 2021 stood at CA\$1.274 billion, roughly CA\$14 million per day, on average, which was below management expectations of between CA\$15 to CA\$17 million per day. Air Canada's net cash burn in the first quarter of 2021 included CA\$2 million per day in net capital expenditures as well as CA\$4 million per day in lease and debt service costs. A combination of higher than anticipated operating earnings, favourable timing on working capital, and deferred settlement of aircraft lease returns was responsible for the lower-than-anticipated cash burn. The carrier has projected a net cash burn of between CA\$1.180 billion and CA\$1.370 billion for the second quarter of 2021, which includes CA\$2 million per day in capital expenditures, net of financing, and CA\$5 million per day in lease and debt service costs. Compared to the first quarter of 2021, the second quarter also includes approximately CA\$1 million per day in higher scheduled debt principal repayments and an increase in end-of-lease payments due to more aircraft being returned to lessors. The net cash burn projection excludes the amount of anticipated eligible refunds of non-refundable fares being processed following to the alteration to Air Canada's refund policy which was announced on April 12, 2021 for flights impacted by the COVID-19 pandemic.

OTHER NEWS

Adelaide will be the home of five Embraer E190 aircraft as **Qantas** continues to boost domestic flights in response to growing leisure and corporate travel demand. The E190s are 94-seat jets with a five-hour range which are being deployed on **Qantas' network** as part of a three-year deal with **Alliance Airlines**. The deal provides the national carrier with the capacity provided by up to 14 jet aircraft, depending on market conditions. This latest announcement brings the number of aircraft activated as part

MILITARY AND DEFENCE

First Boeing-Saab T-7A Red Hawk advanced trainer joined with its aft section

The front fuselage of the first Boeing-Saab T-7A Red Hawk advanced trainer was joined perfectly with its aft section in less than 30 minutes — a testament to the digital heritage of the U.S. Air Force's first "eSeries" aircraft and witness to the benefits of model-based engineering and 3-D design. The digital splice was completed in 95% less time than traditional



Boeing T-7A Red Hawk aircraft mechanic examines the surface of the first spliced advanced trainer being produced in St. Louis
Photo: Boeing

splices and with substantial quality improvements. The aft fuselage was designed and built by Saab in Linköping, Sweden, under a joint development agreement with Boeing. After making the journey of more than 4,500 miles (7,200 km) to St. Louis, the aft section was lined up perfectly to the forward fuselage by Boeing aircraft mechanics. The aircraft, which will be used for static test, is the first engineering and manufacturing development test asset to be spliced. It will be followed by five engineering and manufacturing development jets as part of 351 T-7A Red Hawk trainers to be produced for the U.S. Air Force.

OTHER NEWS



Aviator and Norwegian airline Flyr have signed a partnership agreement

Photo: Aviator

Aviator Airport Alliance, a full-range provider of aviation services at 15 airports across the Nordics and a family member of **Avia Solutions Group**, has signed a partnership agreement with new Norwegian airline **Flyr** for ground handling services. Under the new partnership, Aviator Airport Alliance will provide Flyr with full passenger and ramp-handling services, including de-icing, at all Norwegian airports where Aviator operates and Flyr has chosen as a destination: Bergen, Trondheim, Stavanger, Tromsø and Bodø. Flyr will take its first flight in June 2021. The airline will firstly offer flights between major cities in Norway and chosen international destinations in southern Europe.

OTHER NEWS

of the agreement to eight. Basing these five aircraft in Adelaide will bring an additional 200 jobs to the state, including pilots, cabin crew, and engineers recruited by Alliance. It was secured with the support of the South Australian Government and Adelaide Airport. The aircraft will be painted in QantasLink livery and will help Qantas to grow its domestic capacity to 107% of pre-COVID levels in FY22.

Allegiant plans to hire 184 pilots in the coming months, a nearly 19% increase to the company's current roster of approximately 1,000 pilots. The new hires are part of the company's growth strategy to meet increasing demand for air travel. The first group of pilots will begin training in July, with classes scheduled to run every few weeks through early 2022. As states have eased pandemic restrictions and the COVID-19 vaccine has rolled out across the country, demand for travel has rebounded. Allegiant, which focuses on linking travelers in small-to-medium cities to world-class leisure destinations, was the first domestic carrier to restore capacity to pre-pandemic levels.

Delta Air Lines, LATAM Airlines Group S.A. and its subsidiary **LATAM Airlines Colombia S.A.** have received approval of their joint venture without conditions by the **Civil Aviation Authority of Colombia** (Aeronáutica Civil de Colombia). The joint venture will improve air connectivity and provide passengers and cargo customers with a seamless travel experience between North and South America once regulatory approvals have been obtained. As of Tuesday, May 11, the agreement has also been granted the authorization of regulatory entities in Brazil and Uruguay, while the review process continues in other countries, including Chile.

Incora, a provider of innovative supply chain management solutions, has announced at a ribbon-cutting ceremony the opening of its new global headquarters at 2601 Meacham Boulevard in Fort Worth, Texas. Fort Worth was previously home to two company offices, which have consolidated into the new, expanded location. Incora's largest warehouse, by volume, is in the Dallas-Fort Worth area, and some of the company's largest customers and suppliers are nearby. In addition to these resources and assets, the central U.S. location makes the city of Fort Worth ideal for the new headquarters, offering more product and service availability to global customers, suppliers, and colleagues. Consolidating Fort Worth-area offices and assets is part of a global plan to combine two legacy companies, Wesco Aircraft and Pattonair, into one Incora. The integration



Photo: Lufthansa Cargo lays foundation stone for new art warehouse at Frankfurt hub

Lufthansa Cargo has laid the foundation stone for the construction of its new art storage facility at the Frankfurt hub. The so-called ArtCube at the Lufthansa Cargo Center will, in future, have an area of 168 m² and offer its customers secure and professional storage for valuable works of art of all kinds. The new building is being constructed as part of the modernization of the airfreight hub in Frankfurt initiated by Lufthansa Cargo and is scheduled to go into operation at the end of the year. The new art warehouse will be self-sufficiently equipped with air-conditioning units with heating and cooling functions, creating an almost constant temperature. Through the vertical window bands, the ArtCube receives natural lighting. There is a separate lounge area for art attendants. Access to the special storage area is restricted by state-of-the-art security technology. The new construction of the art warehouse is one of the first steps in the modularly planned "LCcevolution" infrastructure program of Lufthansa Cargo at its home hub in Frankfurt – in parallel, several preparatory measures are being taken for the new construction of the central high-rack warehouse at the Lufthansa Cargo Center. The complete modernization of the Lufthansa Cargo Center is scheduled for completion in 2029.



Qantas Boeing 787-9 Dreamliner

Photo: AirTeamImages

Qantas has released that the **Federal Government** has revised its anticipated timeline for the completion of Australia's vaccine rollout to end-2021 and its timeline for significantly reopening its international borders to mid-2022. In light of these two dates, the **Qantas Group** will adjust its planned international flights from end-October 2021 to late December 2021. (Trans-Tasman flights are unchanged.) The Group remains optimistic that additional bubbles will open once Australia's vaccine rollout is complete to countries which, by then, will be in a similar position, but it is difficult to predict which ones at this stage. This planning assumption will allow the Qantas Group – and Australia – to be ready to take advantage of pockets of tourism and trade opportunities as they emerge in a post-COVID world.

OTHER NEWS

creates efficiencies, encourages collaboration, and leverages growth in all regions. Inco's executive leadership team will be centered in Fort Worth, bringing them together and reinforcing Inco's collaborative approach.

SAS is resuming its direct route from Oslo to New York on July 3. The Oslo – New York route will start with two weekly round trips, departing from Oslo on Wednesdays and Saturdays and returning on Thursdays and Sundays. SAS will then continuously review a possible increase in frequency based on demand. The route provides easy access to city breaks in New York and onward travel to the rest of the USA via Newark Liberty International Airport's many transfer options. On March 13, 2020, the pandemic put a temporary stop to SAS' direct route between Oslo and New York. Over a year later, the route is finally reopening and will be operated by Airbus A330 aircraft with 266 seats. SAS will also continue to fly to Chicago, Los Angeles, New York, San Francisco, and Washington from Copenhagen.

INDUSTRY PEOPLE



Michael Weiss

• ABL Aviation, the global independent aircraft investment management firm, has appointed **Michael Weiss** as Chief Commercial Officer. Weiss' appointment further strengthens ABL Aviation's

senior leadership team as the company pursues its growth strategy, underpinned by independent decision making and an innovative approach to aircraft financing. In his new role, Weiss will be responsible for further solidifying ABL Aviation's close airline and institutional investor relationships and spearheading growth. He will bring over 30 years of broad-ranging aviation industry experience and expertise with him. During his long career he has held senior positions at a number of financial institutions including Investec, where he was Head of Aircraft Finance & Leasing and instrumental in driving the bank's strategy of establishing dedicated aircraft-related funds. More recently, Weiss was Head of Aircraft Trading at SMBC Aviation Capital, where

he led the Aircraft Trading team into new markets and built up a presence in Asia, specifically Japan, by offering new, and innovative solutions to investors, alongside the Company's Japanese shareholders.



Frédéric Gagey

• Air France-KLM has released that Group CFO **Frédéric Gagey** will retire and leave his current position as of July 1, 2021. **Steven Zaat**, currently serving as CFO of Air France, will succeed Frédéric Gagey as Air France-KLM Group CFO, on July 1, 2021. Gagey and Zaat will work together to conduct a seamless transition of responsibilities. Zaat has over 20 years of experience in the airline industry. He joined KLM in 2000 where he held various finance positions within the Engineering and Maintenance Division and subsequently as VP Finance Alliances and Head of Audit, where he was working closely with Gagey, then Managing Director and CFO of KLM. In 2014, Zaat joined the Air France-KLM Group, as VP Finance and Control of the Engineering and Maintenance division. In 2015, he became SVP Corporate Control of Air France-KLM. He was appointed CFO of Air France in July 2019.



Keith Mwanalushi

• It has been an exciting week for us at AviTrader Publications with the announcement that our very own Editor **Keith Mwanalushi** has been nominated for two awards at the Aerospace Media Awards 2021 in June.

He is a finalist in two categories Best MRO Submission and Best Propulsion Submission for two feature articles recently published in our e-magazine AviTrader MRO. We are proud to be a part of these nominations and it demonstrates the product improvements that we are undertaking in our quality of editorial and product design for the AviTrader MRO magazine, despite the challenging times for the aviation industry. With these nominations, we would like to thank the organizers and judges of the Aerospace

Media Awards, our editorial partners and advertisers for their continued support and participation. We wish Keith the best of luck on the night! Please follow, support and get more information on the awards here:

<https://www.aerospacemediadinner.com>

• Airbus has appointed **Benoit Schultz**, a former Bombardier employee and a current supply chain executive with the European planemaker, to the role of running the Canadian operation. He will adopt his new role on September 1, when the current chief, **Philippe Balducchi**, leaves to "pursue opportunities" beyond Airbus. Balducchi was responsible for overseeing much of the takeover of the then Bombardier C-Series by Airbus with regard to the transitioning of Bombardier's production plants into Airbus ones and opening a new U.S. assembly line.

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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	DVB Bank	CFM56-5B63	3586	2008	Q2/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-131	DVB Bank	V2522-A5	2375	2005	Q2/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.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	DVB Bank	V2527-A5	3734	2009	Q2/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.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	DVB Bank	CFM56-5B4/3	3767	2009	Q2/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-230	DVB Bank	V2527-A5	4552	2010	Q2/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-232	DVB Bank	V2527	4323	2010	Q2/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-232	ALTAVAIR	V2527-A5	4621	2011	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
A320-251neo	FPG Amentum	LEAP 1A26	8300	2018	Now	Sale / Lease	Niall Hayden	niall.hayden@fpg-amentum.aero	+353 83 154 6475
A321-231	DVB Bank	V2533-A5	6009	2014	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A321-231	DVB Bank	V2533-A5	6294	2014	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.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	DVB Bank	CF6-80E	814	2007	Q2/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.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	DVB Bank	Trent 772B-6	1146	2010	Q2/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-300	DVB Bank	Trent 772B-60EP	1357	2012	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-300	DVB Bank	Trent 772B-60EP	1378	2013	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.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	DVB Bank	CFM56-7B26E	40880	2012	Q2/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B26	30294	2004	Q4/2021	Sale	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B	30659	2003	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.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	GE90-115BL1	35592	2009	Q2/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
B777-300ER	Doric	GE90-115BL2	36158	2009	Q2/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
B777-300ER	DVB Bank	GE90-115B	37705	2009	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.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@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 2075351602
(3) CF6-80C2B1F	Now - Sale/Lease/Exch.	Chromalloy Asset Management	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) CF6-80C2B6F	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiair.com	+1 786 785 0787
(2) CF6-80E1	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.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	DVB Bank	Jonathan Louch	aircraftsales@dvbank.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	Noew - Sale / Exchange	Chromalloy Asset Management	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
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.)

PW 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				
(1) Trent 892B-17	Now - Sale / Exchange				
(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.				
(1) V2527-A5	Now - Sale/Lease/Exch.				
(4) V2533-A5	Now - Lease				
(1) V2527-A5	Now - Lease				
(1) V2527-A5	Now - Sale / Lease	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
(1) V2527-A5	Now - Lease				
(2) V2522-A5	Now - Lease				
(2) V2527-A5	Now - Lease				
(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				
(1) V2527-A5	Now - Lease				
(1) V2527-A5	Now - Sale / Lease				
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) V2527-A5	Now - Sale / Lease				
(1) V2527-A5	Now - Sale / Lease				
(1) V2527-A5	Now - Sale / Lease				
(1) V2527-A5	Now - Sale / Lease				

Aircraft and Engine Parts, Components and Misc. Equipment

Description	Company	Contact	Email	Phone
(1) GTCP331-500B Trent 892B-17 Modules	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
(2) GTCP331-200ER, (2) GTCP131-9A, (1) GTCP131-9B (1) A321 Enhanced Landing Gear 2020 OH	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
Neutral CFM56-7B QEC Kit	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
(1) RE220, (1) APS3200, (1) GTCP131-9A	Magellan Aviation Group	Drew Megorden	drew.megorden@magellangroup.net	+1 704-340-0273
(1) GTCP131-9B, (1) GTCP331-500B				
A320 Landing gear shipsets	GA Telesis	Danielle Rodon	landinggearsales@gatelesis.com	+1 954 865 9314
(2) GTCP331-350, (5) GTCP131-9A	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	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) APS1000-C12, (1) APS1000-C3				
GTCP131-9A (2), GTCP131-9B(2)	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250				
APS500C14(3), APS1000C12(2), APS2000				
APS2300, APS3200(2), APS5000(2)				
PW901A(4), PW901C(2)				
TSCP700-4E				
Neutral V2500-A5 QEC Kits (2) 745K9001-64	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(5) GTCP131-9A, (1) GTCP131-9B, (1) APS3200C, (1) GTCP331-200	GA Telesis	John Wales	apu@gatelesis.com	+1-417-622-7215
(3) GTCP331-350, (2) GTCP331-500, (1) APS3200B				
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	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
Engine stands now available				
(2) PW901A, (1) PW901C(1), PW125B RGB	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368