

## Weekly Aviation Headline News

### WORLD NEWS

#### Ryanair signs up for new schedule optimisation software

Ryanair has signed a license agreement with Optify, a supplier of next generation schedule optimisation software. After a trial phase during 2021, Ryanair plans to roll out Optify's software across its fleet. Optify's scheduling software will support the development of Ryanair's network as it takes delivery of 210 Boeing 8-200 aircraft. The increase in Ryanair's fleet to 600 aircraft by FY26, will mean the opening of even more bases and new routes which Optify's scheduling software will support.

#### Hactl takes first robotic step

Hong Kong Air Cargo Terminals Limited (Hactl)—Hong Kong's largest independent handler—has taken its first step into robotics with the opening of a new Automated Parts Store (APS) for its giant container- and loose cargo handling systems. The new, robotically operated parts dispensing system enables urgently needed spares to be quickly accessed around the clock, both for routine maintenance and in the event of occasional breakdowns.

#### New Terminal 2 opens in Lusaka, Zambia

The long anticipated new terminal at Kenneth Kaunda International Airport in the Zambian capital Lusaka has officially opened to international traffic. This terminal and other airport infrastructure development projects across the Southern African country were embarked on to accommodate the anticipated increase in traffic, cargo volumes and passenger numbers. Qatar Airways is the latest international carrier to announce new services to Lusaka.



SAA plans to restart operations imminently.

Photo: Keith Mwanalushi

### South African prepares to return to the skies

#### Receives renewed operating licence

South African Airways (SAA) has reported plans to return to operations following one year of grounding. The airline says it has taken another significant step closer to resuming operations after being granted a renewed operating license by the regulator, the South African Civil Aviation Authority, under the stewardship of Captain Sakhile Reiling, SAA's Interim Executive: Operations.

SAA's Interim CEO Thomas Kgokolo says, "This is an important development as SAA prepares itself to take to the skies again in

just a few weeks. At our Airways Park headquarters, in hangars and at terminals around the country our staff are hard at work in finishing the final preparatory phases before we make an official

announcement about the exact take-off date. While I acknowledge there is frustration over a delay in confirming this date, all of us at SAA need to make sure vital components in a very complicated and multi-faceted process are working seamlessly before we start. I'm confident that we will be able to make that announcement soon."

As SAA accelerates its readiness, Kgokolo has also confirmed that all management and specialist pilots have now been appointed and that the pilots who will

form the nucleus of the fleet's cockpit have been identified and the processes to bring them on board will conclude in the next two weeks.

**"This is an important development as SAA readies itself to take to the skies again in just a few weeks."** SAA's Interim CEO Thomas Kgokolo

*Continued on page 3*

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Prior to this latest announcement, SAA had indicated in late July that the airline remained on track to resume operations with an initial focus on cargo operations

before introducing a full passenger service. And back in April Kgokolo had also confirmed that SAA subsidiary, Mango Airlines, would go into business rescue and is receiving

top priority with intense consultations underway with all key stakeholders.

## AIRCRAFT & ENGINE NEWS

### BOC Aviation places six aircraft with Norse Atlantic Airways

BOC Aviation has announced the placement of six used Boeing 787-9 Dreamliners with Norwegian carrier Norse Atlantic Airways (Norse). All six aircraft are powered by Rolls-Royce Trent 1000 TEN engines and are scheduled for delivery in the fourth quarter of 2021. "We are pleased to expand our leasing relationships to include a lessor the calibre of BOC Aviation as we grow our fleet and continue to build our organization for take-off," said Bjørn Tore Larsen, founder and Chief Executive Officer of Norse. "We very much look forward to welcoming customers on both sides of the Atlantic on board these state-of-the-art aircraft as soon as demand for transatlantic travel resumes." Norse Atlantic Airways is a new low-cost long-haul airline, headquartered in Arendal, Norway. The company was launched in March 2021.

### GE's H-Series to power new LMS-901 aircraft

Following the first-time display at MAKS Air Show in Moscow and looking at the second engine delivery in support of the certification program, the Russian aircraft manufacturer Baikal-Engineering has chosen GE Aviation's H80 engine with Electronic Engine and Propeller Control (EEPC) to power its brand-new single-engine multi-purpose utility aircraft. The H80 turboprop engine, built and developed by GE Aviation at its turboprop business headquarters in the Czech Republic, has been selected because of its robust design requiring minimal maintenance and demonstrating outstanding reliability. The LMS-901 is a nine-seater airplane conceived for civil uses, including passenger transfer, cargo, and skydiving. The LMS-901 aircraft's range can reach 3000 km and 1500 km with 2000 kg payload, bearing a 4800 kg max take-off weight, while its average cruise speed is 300 km/h. The aircraft entry into service is expected in 2023. The new project was announced at the end of 2019, and in 2021, the first test vehicles were displayed at MAKS Air Show and coupled with the H80 engine. The LMS-901 first flight is scheduled for this year end, and Baikal plans to build at least 150 units

### Air Lease Corporation places ten Airbus A320 aircraft on long-term lease with Allegiant



Allegiant will receive ten A320-200 aircraft from ALC

Photo: AirTeamImages

Air Lease Corporation (ALC) has announced long-term lease placements for ten used Airbus A320-200 aircraft with Allegiant. The aircraft are scheduled to deliver to the airline beginning in fall 2021 through Summer 2022. "Bringing these ten aircraft into Allegiant's fleet provides a number of advantages aligned with our unique business model and goals," said Robert Neal, Allegiant's Senior Vice President for Corporate Finance and Treasurer. "As young, sharklet-equipped sister ships, they will not only afford efficient induction into our all-Airbus fleet but will also provide years of utilization beyond the typical life of previously-operated aircraft. This transaction will be a valuable component of our fleet plan for 2022 and beyond."

### Skyworld Aviation arranges sale of two Avro RJ85's to Executive Jet Support

Skyworld Aviation has arranged the sale of two Avro RJ85s to spares and components specialist Executive Jet Support (EJS) in the U.K. The two RJs were part of a ten-Avro RJ fleet previously operated by Braathens Regional. SE-DJO (serial number E2226) and SE-DJN (serial number E2231) are currently located at Norwich Airport in the U.K. where they will remain under a care and maintenance program for the time being. Executive Jet Support is a leader in providing commercial aircraft, engines and airframe components on sale, exchange, or loan basis across all major commercial and executive aircraft manufacturers. Skyworld Aviation has already completed the sale of two Avro RJ100's for EJS last year, as well as multiple previous ERJ and ATR aircraft / components transactions.



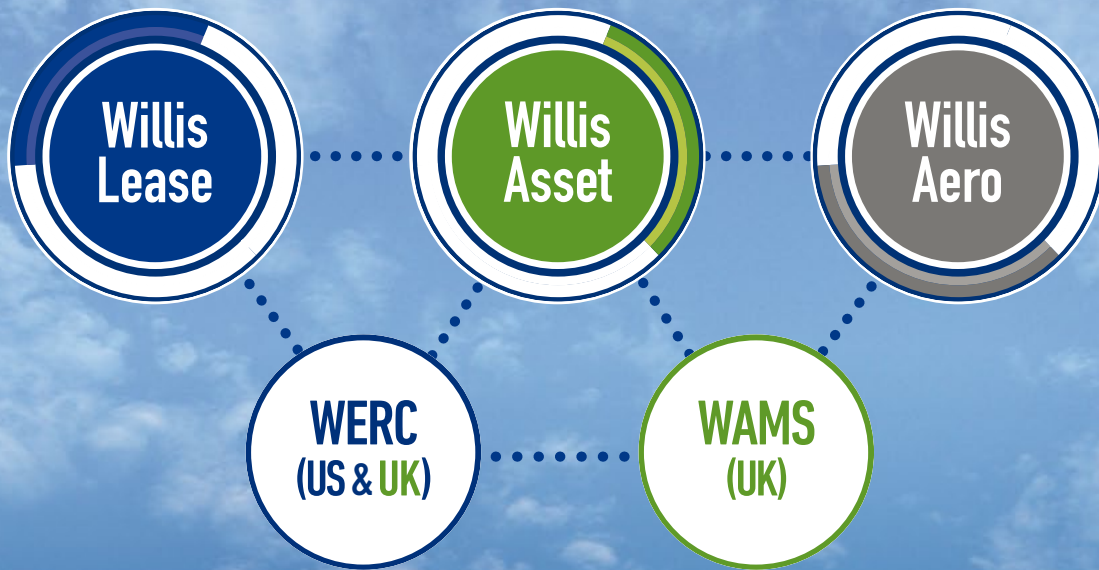
Avro RJ85 aircraft

Photo: Skyworld Aviation



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## AIRCRAFT & ENGINE NEWS

between now and 2030, while the market capacity by 2030 could reach 300 units.

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

Chorus Aviation Capital (CAC) has entered into agreements to lease two Dash 8-400 aircraft to Waltzing Matilda Airlines, doing business as Connect Airlines. CAC expects to deliver the aircraft in September and November 2021. These two aircraft are the last two remaining Dash 8-400s previously operated by Flybe and re-possessed by CAC in 2020. Inclusive of the previously announced transactions with Cobham and Sky Alps, CAC has now remarketed and successfully placed all the re-possessed Dash 8-400 aircraft. All aircraft underwent reconfiguration and return-to-service work at Chorus' subsidiaries, Voyageur Aviation, and Jazz Technical Services.

### DHL to acquire 12 Eviation Alice all-electric cargo aircraft in push for zero-emission logistics



Alice can be flown by a single pilot and will carry 1,200 kilograms (2,600 lbs)  
Photo: Deutsche Post DHL Group

DHL Express has announced its order for the very first 12 Eviation e-Cargo Alice aircraft with deliveries anticipated to commence in 2024. Seattle-area based Eviation is a manufacturer of all-electric aircraft and its Alice model is due to commence test flights later in the year. Alice can be adapted to meet the needs of cargo operators and passenger carriers who are looking to operate a zero-emissions fleet. The electric aircraft can be flown by a single pilot and can carry 1,200 kilograms (2,600 lbs). It will require only 30 minutes to charge per flight hour and will have a maximum range of up to 815 kilometers (440 nautical miles). Alice will be able to operate in all environments currently serviced by piston and turbine aircraft, while its advanced electric motors will have fewer moving parts which should increase reliability as well as reduce maintenance costs. The aircraft will be well-suited for feeder routes and will require less investment in station infrastructure. The Alice can be charged while loading and unloading operations occur, ensuring quick turnaround times that will help maintain DHL Express' tight schedules. "We firmly believe in a future with zero-emission logistics," says John Pearson, CEO of DHL Express. "Therefore, our investments always follow the objective of improving our carbon footprint. On our way to clean logistics operations, the electrification of every transport mode plays a crucial role and will significantly contribute to our overall sustainability goal of zero emissions. Founded in 1969, DHL Express has been known as a pioneer in the aviation industry for decades. We have found the perfect partner with Eviation as they share our purpose, and together we will take off into a new era of sustainable aviation."

### C&L Aviation Group completes sale of six Saab 340 aircraft

C&L Aerospace, part of the C&L Aviation Group, has signed a contract for the sale of six Saab 340 aircraft to Legends Airways. C&L is converting all six aircraft for freighter operations. The first two aircraft have been delivered, with the remaining four being delivered by the end of 2021. C&L is also supporting Legends with parts and technical expertise. The Saab 340 is a versatile aircraft in either passenger or cargo configuration. That, combined with the aircraft's superior performance in its class, makes it a popular aircraft for operators around the world. Legends Airway is an FAA Part-135 on-demand air carrier currently operating in the U.S., Canada, Mexico, and the Caribbean. Legends Airways also owns an FAA Part-141/Part-61 flight school. This unique combination provides an advantage over most Part-135 operators, allowing Legends to train safe, responsible, and professional pilots, and maintain a pipeline of skilled and competent First Officers into its air carrier operation.



Saab 340B cargo configuration

Photo: C&L Aviation Group

### Lilium announces US\$1 billion 220 jet aircraft sale and strategic alliance with Brazil's Azul



Azul will buy 220 of the 7-seater Lilium electrical vertical take-off and landing (eVTOL) jets  
Photo: Lilium

Munich, Germany-headquartered Lilium has announced it is entering into a strategic alliance with Brazilian airline Azul to create an exclusive eVTOL network in Brazil. Azul will buy 220 of the 7-seater Lilium electrical vertical take-off and landing (eVTOL) jets for up to US\$1 billion. It is anticipated that the network will become operational in 2025. Currently, Brazil has a 100 million domestic air passenger market as well as substantial civilian helicopter and business aviation markets. Azul will operate and maintain the Lilium Jet fleet, while Lilium will provide an aircraft health monitoring platform, replacement batteries, and other custom spare parts. Azul will also support Lilium with the necessary regulatory approval processes in Brazil for certification of the Lilium Jet and any other required regulatory approvals. Daniel Wiegand, Co-Founder and CEO of Lilium said: "Azul has brought convenient and affordable air travel to underserved markets across the Americas and this makes them an ideal partner for Lilium. We're excited to work with Azul's seasoned team to deploy a co-branded eVTOL

network in Brazil. We're also thrilled to welcome Gabrielle Toledano and Henri Courpron to the future Board of Directors of Lilium N.V., where they'll strengthen our Board with their operational and financial experience." John Rodgeron, CEO of Azul, said: "Azul is the largest domestic airline in Brazil in terms of cities served and daily departures. Our brand presence, our unique route network, and our powerful loyalty program give us the tools to create the markets and demand for the Lilium Jet network in Brazil. As we did in the Brazilian domestic market over the last 13 years, we look forward to again, now with the Lilium Jet, working to create a whole new market in the years to come."



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## MRO & PRODUCTION NEWS

### Lufthansa Technik Group welcomes 126 apprentices

Lufthansa Technik is starting a new year of training the future's skilled workers: 126 young people will begin their training in 2021 in an aviation-technology, industrial- or logistics-oriented profession. Even in these difficult times, Lufthansa Technik plans to meet its future needs for highly trained specialists. Despite the aviation crisis and structural changes in the company, Lufthansa Technik continues to rely on the training of highly qualified workers and has done so for more than six decades. Especially now, the company wants to attract young employees who want to work in a fascinating and demanding industry. "We see training as a long-term instrument, one that needs continuity," says Barbara Koerner, Head of Training and Dual-study Students at Lufthansa Technik. "Only then can all the interfaces involved, such as trainers, specialized departments, operational deployment areas, and vocational schools, provide optimal training quality. Against this background, Lufthansa Technik made a conscious decision to maintain its training activities. Only the number of places has been adjusted in response to the crisis." This month 109 young people will start their apprenticeships in Hamburg, 16 in Frankfurt and one at the Munich location. 109 of the new apprenticeships are directly attributable to Lufthansa Technik, the rest to Lufthansa Technik Logistik Services and LEOS. This means that there is now a total of about 650 young people in training or in a dual course of study at the Lufthansa Technik Group in Germany. As in the previous year, the proportion of women is a good fourteen percent. Lufthansa Technik will continue to expand its activities to inform female students in a targeted manner about the many possibilities in pursuing technical professions. Originally, a higher number of new trainees was planned for this year. However, the massive downturn in global aviation caused by COVID-19 and the reduced workload in many parts of the company made it necessary to adjust requirements accordingly.



126 young people will start an apprenticeship at the Lufthansa Technik Group  
Photo: LHT

### International research team completes conceptual proof for fuselage wake-filling propulsion integration



CENTRELINE turbo-electrically driven fuselage wake-filling aircraft  
Photo: Bauhaus Luftfahrt

The European Green Deal seeks to achieve a 90% reduction in transport emissions by 2050. This is a huge challenge for aviation requiring cutting-edge new technologies and innovations to make this happen. In enabling aviation's long-term sustainability, novel propulsion technology and propulsion-airframe integration play a key role. A yet untapped source of further efficiency improvements is associated with fuselage wake-filling propulsion integration, i.e., the ingestion and re-energization of the fuselage boundary layer flow by the propulsion system. The positive effect of "wake-filling" on propulsive power requirements has long been known from the field of marine propulsion. Ship propellers are typically located at the aft body of the vessel and operated within the boundary layer flow close to the ship's body surface. This physical principle is also applicable to airborne propulsion, as the 11 CENTRELINE partners of six European countries have just proven. The so-called Propulsive Fuselage Concept (PFC) has the potential to play a key role in developing more efficient and less polluting airplanes of the future. The turbo-electric PFC aircraft for 340 passengers produces 4.7% less CO<sub>2</sub> emissions compared to an equally advanced conventional aircraft. In addition to the two gas turbines on the wings, an electric fan is located at the aft fuselage to produce thrust by ingesting and re-energizing the airflow around the fuselage. The PFC configuration features excellent compatibility with other advanced technologies including hydrogen fuel technology. After 3.5 years of research, the consortium of the European-funded CENTRELINE project has managed to complete the proof of concept and experimental validation for this highly promising technology, thereby maturing it to Technology Readiness Level (TRL) 3 and bringing it closer to a possible industrial uptake in the future. "We have successfully tackled the immediate challenges that are associated with fuselage wake-filling propulsion integration. With the proof of concept performed in CENTRELINE, we have lifted this cutting-edge technology to the next level. Our achievement may represent an important steppingstone on the way to preparing "Propulsive Fuselage" technology for a possible aircraft product development in the future", says project coordinator Arne Seitz of Bauhaus Luftfahrt e.V. "In order to support any follow-on research and innovation activities, we have devised a roadmap for the PFC aircraft technology towards TRL 6 by the year 2030. As a further enhancement of its innovative potential, we have identified a set of further advanced technologies that feature excellent compatibility with the PFC aircraft configuration. All this was enabled by a great collaborative spirit and excellent individual contributions from the partners in the project." The CENTRELINE project stands for "ConcEpt validation sTudy foR fusElage wake-fILLing propulsiON intEgration" and was funded with €3.7 million (US\$4.4 million) by the European Union under the Horizon 2020 framework program. Coordinated by Bauhaus Luftfahrt, the CENTRELINE project consortium comprises 11 partners from six European countries. Beside Bauhaus Luftfahrt, these included four leading industry partners, namely Airbus Defence and Space, Airbus Operations, MTU Aero Engines, Rolls-Royce, and Siemens, as well as four reputable European universities, namely Chalmers University of Technology, Delft University of Technology, the University of Cambridge, and Warsaw University of Technology, supported by the management consulting partners ARTTIC Innovation GmbH and ARTTIC SAS. The CENTRELINE consortium was accompanied by a technical advisory board of experts from industrial stakeholders and research organisations.

## MRO & PRODUCTION NEWS

### MTU Maintenance Canada completes move to new facility at Boundary Bay



MTU Canada's new facility in Boundary Bay, Delta, BC

Photo: MTU

MTU Maintenance Canada has completed its move from Richmond, near Vancouver Airport, to Boundary Bay, Delta, British Columbia. This marks the successful conclusion of a brownfield adaptation that provides MTU Maintenance Canada with an additional space of around 60% and consolidates all its repair activities into one location. During a gradual integration over the past one and half years, MTU Maintenance Canada was able to flexibly stagger machinery, equipment, and team movement to maintain continued operations. Furthermore, during the COVID-19 pandemic, the additional space at both sites was used to help protect employees. "Design and building upgrades as well the transition into our new Boundary Bay facility were mastered by our highly motivated internal team on top of normal operations," says Christian Ludwig, Chief Operating Officer and project leader. "Now that we are fully moved in, we look forward to using this new space to further strive for operational excellence."

### AvAir secures engine material asset management with IAI

AvAir, an industry-leading inventory solutions provider for the aviation aftermarket, has completed an agreement with Israel Aerospace Industries' (IAI) Aviation Group to provide asset management solutions for more than 20,000 line items. IAI's Aviation Group is a global leader, with more than 50 years' experience in all aspects of the aircraft industry, having all the required capabilities in house at one centralized location. With total commitment to quality and an extensive portfolio, IAI maintains the highest expertise in a broad range of capabilities, from aeronautic design and engineering, through flight testing, modification, and certification. IAI is one of few companies with proven in-house FAR 25 certification capabilities. With this transaction, AvAir will manage more than 20,000 line items including internal parts and accessories from IAI's core business lines, CFM56-3, CFM56-5B, CFM56-7B, V2500-A5 and PW4000 engines, along with airframe components for the A320 and Boeing-family aircraft.



Photo: AvAir will manage more than 20,000-line items from IAI's core business lines

### EirTrade leads the way as first in Ireland to be awarded AFRA accreditation



EirTrade will take on the disassembly market as first AFRA accredited facility in Ireland  
Photo: EirTrade

EirTrade Aviation, the aviation technical asset services and trading company, has been awarded an AFRA (Aircraft Fleet Recycling Association) accreditation. The accreditation will see the company taking on the disassembly market as the first AFRA-accredited facility in Ireland and will serve to reassure its clients of the regular review and regulation of all processes. EirTrade provides disassembly services for all Airbus, Boeing, Embraer, Bombardier and ATR types. To date EirTrade has disassembled regional and commercial aircraft of all sizes from ATR-72 to A380 aircraft. The AFRA Best Management Practices (BMP) guide for disassembly is the leading standard for dismantling aircraft in a safe, efficient, and environmentally friendly manner. Established in 2006, AFRA is a membership-based global collaboration to elevate industry performance and increase commercial value for end-of-service aircraft. AFRA represents companies from across the globe and throughout the supply chain – from manufacturers to material recyclers. Through the collective experience of its members, AFRA's BMP Guide has significantly improved the management of end-of-life aircraft in terms of environmental and sustainable performance.



## MRO & PRODUCTION NEWS

### APOC builds new warehouse extension to treble storage capacity for spares in Europe

Just two years after APOC moved into its new facility in Berkel en Rodenrijs, the innovative leasing, trading, and aircraft part-out specialist is pushing ahead with major expansion plans. The company is finishing construction of an additional 2,500 m<sup>2</sup> of warehouse and technical inspections base that adjoins its existing premises and will treble storage capacity. APOC specializes in narrow-body components and currently has four Boeing 737 airframes undergoing teardown which will balance its Airbus A320-family stock. Imminent arrival of these parts alongside the extensive investment in other aircraft assets, including landing gear and engines, over the past 12-18 months has brought forward APOC's expansion plans and stimulated further new stock hubs in Singapore and Miami. "Naturally, the bulk of our new 737 stock will stay in the U.S. because the biggest fleet of Boeing aircraft in service is there. Having the right stock in the right place is essential. We can also be ultra-efficient in terms of shipping bulky items using overnight truck delivery rather than airfreight if it is more cost-effective," said Max Lutje Wooldrik, CEO APOC.

### ST Engineering secures CFM56-7B engine MRO contracts



Photo: ST Engineering will provide CFM56-7B engine MRO services to Alaska Airlines at the Group's engine MRO facilities in Singapore

ST Engineering Group has secured two CFM56-7B engine Maintenance, Repair and Overhaul (MRO) contracts. The first is an exclusive five-year contract from Alaska Airlines. Under the agreement, which is an extension of an existing contract that expires at the end of this year, ST Engineering will provide engine heavy maintenance to the airline's fleet of 14 Boeing 737-700 and 12 Boeing 737-900 aircraft. These services will be provided starting from 2022 at the Group's engine MRO facilities in Singapore. The second contract is also for engine heavy maintenance services, which has been awarded by an Asian airline. Under the agreement, ST Engineering will service CFM56-7B engines that will be re-delivered over a 12-month period from mid-2022 to mid-2023. These services will be provided at the Group's engine MRO facilities in Xiamen, China.

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### Embraer and Porter Airlines sign major services and support agreement

After unveiling plans for a major expansion in North America with a firm order for 30 E195-E2 jets, with purchase rights for a further 50 aircraft, Porter Airlines has signed a major aftermarket support package contract with Embraer. The Total Support Program (TSP) agreement includes airframe heavy maintenance checks, technical solutions, and access to the pool program, which includes component exchanges and repair services for hundreds of reparable items for Porter's fleet of E195-E2 commercial aircraft, for up to 20 years. Currently, the Pool Program supports more than 50 airlines worldwide. The Pool Program services will be provided by Embraer Aircraft Customer Services (EACS) in Fort Lauderdale, Florida, while the heavy maintenance services will be performed by Embraer Aircraft Maintenance Services (EAMS) in Nashville, Tennessee. In the coming months, Embraer will work with Porter to provide services related to the aircraft entry into service (EIS) process, which includes technical training, spare parts recommendations, and provisioning services. Porter's first delivery and entry into service is scheduled to start in the second half of 2022. The E195-E2 accommodates between 120 and 146 passengers and configuration plans for Porter's E2s will be revealed in due course.



Porter E195-E2 jet

Photo: Embraer

### British Airways extends contract for Airbus A380 base maintenance services with LHT



Airbus A380

Photo: British Airways

British Airways has extended its contract with Lufthansa Technik for base maintenance services for its Airbus A380 aircraft. The contract will run from August 2022 for more than five years and includes services for the airline's 12 A380s to be performed at the Lufthansa Technik Philippines facility in Manila. During the past five years, British Airways and Lufthansa Technik have worked closely together on the A380 base maintenance services, with both parties aligned to the same high standards of safety and professionalism. The organizational skills, experience, technical knowledge, and flexibility of both companies have led to the extension of this contract, which includes 12 year-checks for A380 aircraft.

## FINANCIAL NEWS

### SIA Group narrows first-quarter net loss to SG\$409 million

The SIA Group has posted its financial performance for the first quarter FY2021/22. An increase in both passenger and cargo flown revenue resulted in Group revenue increasing by SG\$444 million (+52.2%) year-on-year to SG\$1,295 million. Cargo flown revenue grew by SG\$214 million (+32.4%), as the calibrated resumption in passenger flights contributed to an increase in cargo capacity (+46.9%) and loads carried (+68.2%). Cargo load factor increased 11.3 percentage points to 89.1%, while yields moderated from the exceptionally high levels during the same period last year. Overall, the strong cargo revenue performance for the first quarter reflected the healthy demand fundamentals and an ongoing capacity crunch in the sector. The Group recorded a first-quarter operating loss of SG\$274 million, an improvement of SG\$763 million (+73.6%) from the SG\$1,037 million operating loss recorded last year. The Group reported a net loss of SG\$409 million for the quarter, an improvement of SG\$714 million (+63.6%) against last year. This was primarily driven by better operating performance and the absence of non-cash impairment charges relating to the liquidation of NokScoot. The SIA Group completed the issuance of the Rights 2021 Mandatory Convertible Bonds, which raised SG\$6.2 billion in additional liquidity, during the quarter. In total, the Group has successfully raised SG\$21.6 billion in fresh liquidity since April 1, 2020. (US\$1.00 = SG\$1.35 at time of publication.)

### Carlyle Aviation completes acquisition of Fly Leasing

Global investment firm Carlyle and Fly Leasing (FLY) have announced that an affiliate of Carlyle Aviation Partners (Carlyle Aviation) completed its previously announced acquisition of FLY. Carlyle Aviation is the commercial aviation investment and servicing arm within Carlyle's US\$61 billion Global Credit platform. The closing of the transaction follows the receipt of regulatory approval from all government authorities required by the merger agreement and approval by FLY's shareholders. Carlyle Aviation used funds from its fifth aviation fund, SASOF V, for this acquisition.

### CDB Aviation executes US\$660 million portfolio financing backed by 13 Airbus and Boeing aircraft

CDB Aviation, a wholly owned Irish subsidiary of China Development Bank Financial Leasing (CDB

## MRO & PRODUCTION NEWS

### AMETEK Antavia and Viking to strengthen collaboration in support of aerial firefighting



Canadair CL415 aircraft

Photo: AMETEK Antavia

Antavia AMETEK MRO and Viking Air Limited of Victoria, British Columbia, Canada, have renewed their comprehensive landing gear maintenance support for an additional three years. This agreement, originally initiated in 2018, confirms Antavia as a Factory Endorsed Component Centre (FECC) and official repair station to support Viking's Canadair's fleet of CL215/CL215T/415/415EAF aircraft with landing gears. With 20 years of experience and expertise, Antavia thus reaffirms its position as Canadair's landing gear maintenance leader, covering more than 60% of the worldwide fleet. Viking continues to select Antavia as the preferred vendor to provide landing gear maintenance under the Maintenance Plus (M+) program, a maintenance program specifically developed by Viking to meet operators' requirements. Antavia's commitment to Viking, and to the aerial firefighting community, is shown through the company's continuous investment not only in the technical field, but in the human element as well. Over the last few years, Antavia has developed a spare parts inventory of US\$10 million, strengthened its dedicated engineering and workshop teams, and added new machining resources.

Leasing), has entered into a facility agreement for the secured portfolio of 13 Airbus and Boeing aircraft, valued at approximately US\$660 million. The transaction brings the lessor's executed financings year-to-date to a total of US\$2.53 billion. The first large-sized portfolio financing executed by the lessor since the onset of the COVID-19 pandemic is secured with a combination of Airbus A320-200 and A350-900 jets as well as Boeing 737 MAX 8 and 787-9 Dreamliner aircraft. The facility is provided by a group of leading MLA banks, consisting of Natixis, MUFG Bank, Crédit Agricole Corporate and Investment Bank, BNP Paribas, Nord/LB, Société Générale, and The Hongkong and

Shanghai Banking Corporation. Crédit Agricole Corporate and Investment Bank acted as facility agent and security trustee, and Natixis and MUFG Bank jointly coordinated the transaction.

### Atlas Air Worldwide reports second-quarter net income of US\$107.1 million

Atlas Air Worldwide Holdings has reported second-quarter 2021 net income of US\$107.1 million, compared to net income of US\$78.9 million in the second quarter of 2020. On an adjusted basis, EBITDA totaled US\$243.7 million in the second quarter this year compared to



## FINANCIAL NEWS

US\$247.0 million in the second quarter of 2020. Adjusted net income in the second quarter of 2021 totaled US\$121.8 million compared to US\$123.2 million in the second quarter of 2020. Second-quarter 2021 airline operations segment performance improved significantly compared to the prior year that included exceptionally high commercial cargo charter yields in April and May 2020. On June 30, 2021, the company's cash, including cash equivalents and restricted cash, totaled US\$760.5 million compared to US\$856.3 million on December 31, 2020.

### IAG releases consolidated financial results for first six months of 2021

International Airlines Group S.A (IAG), the parent company of carriers Aer Lingus, British Airways, IAG Cargo, Iberia, and Vueling, the LEVEL brand and Avios, the IAG reward program, has released consolidated results for the six months up to June 30, 2021. Passenger capacity in Q2 was 21.9% of 2019 and continues to be adversely affected by the COVID-19 pandemic together with government restrictions and quarantine requirements. There was strong liquidity of €10.2 billion at the end of Q2, driven by successful conclusion of financing initiatives since the start of the year, together with cost actions and U.K. pension contribution deferral. Current passenger capacity plans for Q3 are for around 45% of 2019 capacity but remain uncertain and subject to ongoing review. There was reported operating loss for Q2 of €967 million (2020 restated: operating loss €2,182 million) and operating loss before exceptional items €1,045 million (2020 restated: operating loss before exceptional items €1,370 million). Reported operating loss for the half year was €2,035 million (2020 restated: operating loss €4,052 million), and operating loss before exceptional items €2,180 million (2020 restated: operating loss before exceptional items €1,915 million). Exceptional credit before tax in the half year of €145 million on discontinuance of fuel and foreign exchange hedge accounting (2020: exceptional charge before tax of €2,137 million on discontinuance of fuel and foreign exchange hedge accounting and impairment of fleet). Loss after tax and exceptional items for the half year €2,048 million (2020 restated: loss €3,813 million) and loss after tax before exceptional items: €2,169 million (2020 restated: loss €1,972 million). Cash of €7.7 billion at June 30, 2021 up €1.7 billion on December 31, 2020. Committed and undrawn general and aircraft facilities of €2.5 billion, bringing total liquidity to €10.2 billion, with pro forma liquidity including the British Airways sustainability linked EETC financing executed in July at €10.8 billion. Luis Gallego, IAG Chief Executive Officer, said: "In

### Bombardier posts promising Q2 2021 results and raises full-year guidance after solid half year



Photo: Bombardier

Canadian business jet manufacturer Bombardier has released its financial results for the second quarter of 2021 and on the back of a strong first half year, has raised its full-year guidance. Aircraft deliveries, revenue, profitability, and cash use should all now outperform previously given targets. Business jet revenues during the second quarter of 2021 climbed to US\$1.5 billion, up 50% year over year, fueled by increases in both aircraft deliveries and services. Aircraft deliveries totaled 29 in Q2, up 45% year over year, reflecting strong demand for large-category jets. Worldwide business jet utilization continued to rise, nearly reaching pre-pandemic levels in North America and Europe, buoying revenue contribution from services activities to US\$295 million, up 29% year over year. Aircraft sales equally accelerated, reaching a unit book-to-bill ratio of approximately 1.8 for the quarter, further highlighting strong interest in business aviation. Adjusted EBITDA for the quarter was up US\$112 million year over year to US\$143 million, reflecting favourable aircraft deliveries and mix, improved cost structure, disciplined implementation of cost-reduction programs and consistent progression through the Global 7500 aircraft's learning curve. In addition, the increase was boosted by a higher contribution from business aircraft services, mainly due to increased fleet flight hours resulting from easing travel restrictions and progress on vaccinations consistent with the increase in revenues. Reported EBIT from continuing operations for the quarter was US\$36 million. The second quarter notably saw strong free cash flow (FCF) generation. The positive US\$91 million from continuing operations FCF total for the quarter represents an improvement of US\$841 million year over year and included a negative impact of approximately US\$60 million in non-recurring cash items. Pro-forma liquidity at quarter end was ~US\$2.1 billion and pro-forma net debt was ~US\$5.3 billion.

the short term, our focus is on ensuring our operational readiness, so we have the flexibility to capitalize on an environment where there's evidence of widespread pent-up demand when travel restrictions are lifted. This is reflected in Iberia's and Vueling's results. They were the best performers within the group in the second quarter reflecting stronger Latin American and Spanish domestic markets driven by fewer travel restrictions. We know that recovery will be

uneven, but we're ready to take advantage of a surge in air travel demand in line with increasing vaccination rates. We welcome the recent announcement that fully vaccinated travelers from amber countries in the EU and the US will no longer have to quarantine upon arrival in the U.K. We see this as an important first step in fully re-opening the transatlantic travel corridor." (€1.00 = US\$1.18 at time of publication.)

## INFORMATION TECHNOLOGY

**Air Europa Lineas Aéreas (AE)** – known for its modern fleet, breakthrough technology, and commitment to sustainability – has successfully implemented the **TRAX** eMRO and eMobility aviation maintenance software. Air Europa mobilized its maintenance workforce by deploying TRAX solutions that allow them to work from anywhere on their mobile devices. eMRO is a web-based, device-agnostic ERP software that keeps users connected from wherever they work. The eMobility suite of iOS apps is truly mobile due to its off-line capability and automatic synchronization when network connectivity is available. For Air Europa, the implementation of TRAX eMRO and eMobility software is a milestone in its aircraft maintenance transformation plan. With its activation, Air Europa becomes the first Spanish airline to have its entire maintenance management system digitalized, which places it at the forefront in the efficiency of processes and complete control of the maintenance of the aircraft that make up the fleet.

**Panasonic Avionics Corporation** (Panasonic Avionics) has announced **China Eastern Airlines** (China Eastern) as the launch customer in China for its in-flight Live Television service. The service will be rolled out across its entire wide-body fleet of Airbus A330, A350 and Boeing B777 and B787 aircraft in the future, initially providing its passengers with unmissable live television coverage from major local broadcasters, such as CCTV and CGTN. Live Television is enabled by Panasonic Avionics' third-generation (Gen-3) communications network of high-speed, high-bandwidth Ku-band satellites. The network covers over 99% of all routes, and places capacity where it is most needed to meet the growing needs of airlines and its passengers. The most recent addition to the Gen-3 network is APSTAR 6D, Panasonic Avionics' first extreme high-throughput satellite, which has significantly boosted satellite capacity over China through teleports which have just gone live in Beijing. This will enable China Eastern, and other airlines based in China and flying over it, to benefit from this enhanced capacity and a range of other in-flight connectivity services.

## OTHER NEWS

In June 2021, passenger traffic continued to recover, despite the ongoing and widespread impact of the COVID-19 pandemic. **Frankfurt Airport** (FRA) served some 1.78 million passengers in the reporting month. This represents an increase of nearly 200% versus

## OTHER NEWS



Photo: BAA Training will open a new training center for Transavia's pilot training needs

**BAA Training**, a part of **Avia Solutions Group**, and **Transavia Airlines**, a part of **Air France-KLM Group**, have signed a term sheet contract that sets out the conditions based on which BAA Training will open a new training center dedicated to Transavia's pilot training needs. The new aviation training center situated near Paris Orly Airport (ORY) in France and containing six simulator bays will be operated by BAA Training itself as enforced by an exclusive partnership agreement the parties will conclude shortly. The new BAA Training France training center will be ready to accept the first state-of-the-art simulator in the fourth quarter of 2022. The brand-new training facility will incorporate four simulators dedicated to Transavia France's needs. It is planned to install the following types of full-flight simulators: Boeing 737NG, Boeing 737 MAX, and Airbus A320neo. Additionally, a door and over-wing exit trainer, two FTD Level 2 devices, and other training equipment are being considered.

June 2020. However, this figure is based on a low benchmark value recorded in June 2020, when traffic was down amid surging COVID-19 infection rates. In the reporting month, the decline in COVID-19 incidence rates and the further lifting of travel restrictions continued to positively impact traffic demand. For the first time since the outbreak of the pandemic, Frankfurt Airport again welcomed more than 80,000 passengers in a single day, recorded on two separate days in June 2021. When compared with pre-pandemic June 2019, FRA registered another noticeable passenger decline of 73.0% in the reporting month. During the first half of 2021, FRA served some 6.5 million passengers. Compared to the same six-month period in 2020 and 2019, this represents a decrease of 46.6% and 80.7% respectively. In contrast, the growth momentum in cargo traffic at FRA continued despite the ongoing shortage of belly capacity normally provided by passenger aircraft. In June 2021, cargo throughput (comprising airfreight and airmail) jumped by 30.6% year-on-year to 190,131 metric tons – the second-highest volume ever recorded in a June month at FRA. Compared to June 2019, cargo was up 9.0%. Aircraft movements climbed by just over 114% year-on-year to 20,010 take-offs and landings. Accumulated maximum take-off weights (MTOWs) rose by 78.9% to about 1.36 million metric tons in June 2021. The Fraport

Group's airports around the world also recorded noticeable traffic growth in June 2021. At some airports, traffic increased by several hundred percent – albeit based on a sharply reduced traffic level in June 2020. Passenger numbers at all of the airports in Fraport's international portfolio were still well below the pre-pandemic levels of June 2019. **Slovenia's Ljubljana Airport** (LJU) welcomed 27,953 passengers in the reporting month. At the Brazilian airports of **Fortaleza** (FOR) and **Porto Alegre** (POA), total traffic climbed to 608,088 passengers. In Peru's capital, **Lima Airport** (LIM) welcomed 806,617 passengers in June 2021. The 14 **Greek regional airports** served about 1.5 million passengers in June 2021. On the Bulgarian Black Sea coast, total traffic for the **Twin Star airports of Burgas** (BOJ) and **Varna** (VAR) rose to 158,306 passengers. On the Turkish Riviera, **Antalya Airport** (AYT) saw traffic grow to about 1.7 million passengers. The passenger volume at **St. Petersburg's Pulkovo Airport** (LED) in Russia advanced to about 1.9 million. In China, **Xi'an Airport** (XIY) registered a traffic gain of 31.8% year-on-year to around 3.5 million passengers. In summary, both AYT and the Greek airports received almost as many passengers as the FRA home-base airport in June 2021, while twice as many passengers traveled via XIY. This demonstrates the dynamic performance of Fraport's international airport portfolio.



## OTHER NEWS

Around 2,500 frontline **Qantas** and **Jetstar** employees will be stood down for an estimated two months in response to ongoing COVID outbreaks. The stand-down is a temporary measure to deal with a significant drop in flying caused by COVID restrictions in Greater Sydney in particular, and the knock-on border closures in all other states and territories. No job losses are expected. The decision will directly impact domestic pilots, cabin crew, and airport workers, mostly in New South Wales but also in other states given the nature of airline networks. Employees will be given two weeks' notice before the stand-down takes effect, with pay continuing until mid-August. Income support in the form of government disaster payments will be key to helping eligible employees get through this challenging period and the Qantas Group welcomes the targeted Federal Government support offered for those stood down outside of declared hotspots and to retain domestic aviation capability. Qantas Group CEO Alan Joyce said the difficult decision to trigger stand-downs reflected the reality confronting many businesses operating in New South Wales. Qantas and Jetstar have gone from operating almost 100% of their usual domestic flying in May (based on FY19 capacity levels) to less than 40% in July because of lockdowns in three states.

## INDUSTRY PEOPLE



Toni Freeberg

• Alaska Airlines has named 34-year airline veteran **Toni Freeberg** Managing Director of Sales, effective immediately. Freeberg assumes the role currently held by **Mark Bocchi**, who will retire

from Alaska Airlines in October after 40 years. In her new role, Freeberg will set the strategy and oversee corporate and specialty sales, and further champion the integration into the oneworld global alliance. As Managing Director of Sales, she will drive Alaska Airlines' West Coast international initiatives and corporate partners, travel management companies, and small business programs. Additionally, she will work with airline and corporate customers to create partnerships that reduce the climate impact of corporate business travel.

## INDUSTRY PEOPLE



Richard Clark

**María José Hidalgo**. His appointment, at the proposal of María José Hidalgo, who remains as CEO of the tourism group Globalia, was ratified by the members of the Board, and comes at a time when the procedure for the authorization by the European Commission of the sale of the company to IAG is at a very advanced stage.



Adrian Dharsan

• Genesis, the Dublin-based aircraft leasing company, has announced the appointment of **Adrian Dharsan** to the position of Senior Vice President of the commercial team. The appointment of Dharsan marks the company's first hire in Singapore where it is establishing a regional office. He brings more than 21 years' experience in aircraft leasing to the team and will be responsible for leading engagement with Genesis's customers in the region. He joins Genesis from SMBC where he held the position of Senior Vice President of Airline Marketing since 2008. In 2021 he was elected to the Board of the International Society of Transport Aircraft Trading (ISTAT).

• TrueAero welcomed **Nicolas Silva** to the company's leadership team on August 3, as Senior Vice President of Marketing. As a 25-year veteran of aviation he has excelled both as a lawyer and as a marketing executive. Silva started his career representing the interests of the Export-Import Bank of the United States on the first Chilean export finance for Boeing 767-300s for LAN Chile. Prior to joining TrueAero, he successfully originated valuable deals for both AerCap and BOC Aviation. He has been involved in innovative aircraft lease transactions in Spain, Brazil, Chile, Kazakhstan, and Russia, and has a successful record

in managing business relationships in times of crisis.



John McKirdy

• Kellstrom Aerospace Group, a leader in aviation life-cycle cost management solutions, has appointed **John McKirdy** as Senior Vice President. McKirdy has been involved in broad aviation aftermarket services for over 30 years with a focus on and experience in executive management, operational excellence, and strategic sales. His most recent role was Chief Commercial Officer at Wencor Group. Prior to that role, while at Chromalloy Gas Turbine, McKirdy served as Vice President of Global Aftermarket and General Manager of the San Diego Engine FAA Repair Station.

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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	CFM56-5B6/3	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	Q1/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-200	GA Telesis	CFM56-5B6/3	5393	2012	Now	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A320-200	GA Telesis	V2527-A5	2152	2004	Now	Sale	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
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
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Q3/2021	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
A321	Deucalion Aviation Limited	V2533-A5	7015	2015	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A321	Deucalion Aviation Limited	V2533-A5	7180	2015	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A321-231	Deucalion Aviation Limited	V2533-A5	6009	2014	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A321-231	Deucalion Aviation Limited	V2533-A5	6294	2014	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-200	ORIX Aviation	Trent 772B-60	1306	2012	Now	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A330-200	Deucalion Aviation Limited	CF6-80E	814	2007	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 247559931
A330-200	Doric	CF6-80E1A4/B	883	2007	Now	Sale	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-243	Willis Lease	Trent 772B-60	1293	2012	Now	Lease	Chris Giles	cgiles@willislease.com	
A330-300 (3x)	ALTAVAIR	Trent 772B-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-60EP	1357	2012	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-300	Deucalion Aviation Limited	Trent 772B-60EP	1378	2013	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-343	Willis Lease	Trent 772B-60	1157	2010	Now	Lease	Chris Giles	cgiles@willislease.com	
B737-700	BBAM	CFM56-7B22	38125	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	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	CFM56-7B26	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
B737-800	BBAM	CFM56-7B27E	40242	2011	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039

RegionalOne

Engine Lease Finance



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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	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
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	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
B777-300ER	Doric	GE90-115BL2	36158	2009	Now	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
B777-300ER	Deucalion Aviation Limited	CF90-115B	37705	2009	Q1/2022	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B787-8	Deucalion Aviation Limited	Trent 1000G	35304	2013	Now	Sale	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B787-8	Deucalion Aviation Limited	Trent 1000G	35305	2013	Now	Sale	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B787-9	Orix Aviation	Trent 1000	63316	2018	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B787-9	Orix Aviation	Trent 1000	63321	2019	Q3 2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451

## Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200F	Regional One	CF34-3B1	7452	2000	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200LR	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-700	Regional One	CF34-8C5B1	10205	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
D0328 Jet	Regional One	PW306B	3185	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ170-100LR	Regional One	CF34-8E5	17000123	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007A1	145304	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007A1	145331	2000	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
SAAB 2000	Jetstream Aviation Capital	AE2100A	031	1996	Now	Sale / Lease	Donald Kamenz	dkamenz@jetstreamavcap.com	+1 (305) 447-1920 x 115
SAAB 340B CRG	Jetstream Aviation Capital	CT7-9B	224	1990	Nbow	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
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	Elizabeth Giraldo	Egiraldo@Regionalone.com	+1 305-469-7253
(1) CF34-8C	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.				
(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

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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				
(1) CFM56-5B2/P	Now - Lease				
(2) CFM56-7B26 (full QEC)	Now - Lease				
(1) CFM56-7B27	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(1) CFM56-7B24/3	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
(3) CFM56-5B4/3	Now - Lease				
(2) CFM56-5C4/P	Now - Lease				
(2) CFM56-7B24/E	Now - Lease				
(2) CFM56-5C4	Now - Lease				
(1) CFM56-7B27/B3	Now - Lease				
(3) CFM56-5B4/P	Now - Lease				
(1) CFM56-7B26/3	Now - Lease				
(2) CFM56-7B26	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(2) CFM56-5B5/P	Now - Sale / Lease				
(2) CFM56-7B22	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(multiple) CFM56-5B	Now - Sale / Lease				
(multiple) CFM56-7B	Now - Sale / Lease	CFM Materials	Jimmy Hill	jimmy.hill@cfmmaterials.com	+1 469-628-3756
(2) CFM56-7B26/E	Now - Lease				
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(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				
(1) CFM56-7B22/3	Now - Sale	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-5B4/P	Now - Sale / Lease				
(1) CFM56-5B3/P	Now - Sale/Lease/Exch.	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(2) CFM56-5B6/P	Now - Sale/Lease/Exch.				
(1) CFM56-7B27	Now - Sale/Lease/Exch.				
(1) CFM56-7B2	Now - Sale/Lease/Exch.				
(1) CFM56-7B2	Now - Sale/Lease/Exch.	Magellan Aviation Group	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715
(1) CFM56-7B2	Now - Sale/Lease/Exch.				
<b>GE90 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) GE90-94B	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) GE90-115BL (Propulsor)	Now - Lease				
<b>LEAP Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(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				
<b>PW 4000 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(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				
<b>PW Small Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(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.				
(2) PW150A	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(8) 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				

