

Weekly Aviation Headline News

WORLD NEWS

Virgin Atlantic Cargo to commence new services to Pakistan

Virgin Atlantic Cargo will commence flights between the UK and Pakistan from Monday December 7th, supporting growing trade volumes between exporters and importers in both countries. Flights are set to launch from London Heathrow to Lahore on the 7th, Manchester to Islamabad on 10th December, and London Heathrow to Islamabad on 12th December. This is the first time that Virgin Atlantic Cargo has flown to Pakistan, the airline is continuing to innovate and expand its destination offering in line with demand.

Delta launches contact tracing for travellers returning to U.S.

Delta is partnering with the Centres for Disease Control and Prevention to keep international customers informed of potential COVID-19 exposure through contact tracing. Beginning December 15, Delta says it will become the first U.S. airline to ask customers travelling to the U.S. from an international location to voluntarily provide five pieces of data to aid contact tracing and public health follow-up efforts.

FlyArystan launches new domestic service

FlyArystan, the LCC division of the Air Astana Group, is the first carrier to operate services from Nur-Sultan to Turkistan in southern Kazakhstan. "With the opening of the Turkistan International Airport, we encourage more tourists to discover the amazing beauty and heritage of Kazakhstan," said Air Astana Group President, Peter Foster. Flights are operated twice weekly on A320 aircraft and in addition, services to Almaty will also operate twice weekly. FlyArystan operated its first flight in May 2019 and today has seven A320s.



Ryanair and Boeing 737 MAX signing ceremony in Washington.

Photo: Ryanair

Ryanair commits to new 737 MAX order

The first sign of a flight plan to recovery

Ryanair signed a purchase agreement with Boeing for 75 new MAX-8200 aircraft, which increases its firm order for the aircraft from 135 to 210, with a total value of over \$22bn. Now that the Boeing MAX aircraft has been certified by the FAA to return to service, Ryanair expects to take the first deliveries of these new aircraft from early 2021, and has confirmed 210 firm orders with Boeing for these aircraft, which will be delivered over a 4-year period between Spring 2021 and December 2024.

Ryanair's Group CEO Michael O'Leary said: "We hope to take delivery of

at least 50 of these aircraft in 2021, subject to Boeing recovering its manufacturing output to deliver them. For as long as the Covid-19 pandemic depresses air travel, we will use these new aircraft to replace

Both companies acknowledged COVID-19's impacts on air traffic in the near-term but expressed confidence in the resilience and strength of the passenger demand over the long term.

"We firmly believe in this airplane and we will continue the work to re-earn the trust of all of our customers."

Dave Calhoun, Boeing's President & CEO

some of our older Boeing NG fleet, which will remain grounded until pre-Covid demand returns."

O'Leary and Ryanair leaders joined the Boeing team for a signing ceremony in Washington, D.C.

"As soon as the COVID-19 virus recedes – and it likely will in 2021 with the rollout of multiple effective vaccines – Ryanair and our partner airports

across Europe will – with these environmentally efficient aircraft – rapidly restore flights and schedules, recover lost traffic and help the nations of Europe recover their tourism industries." O'Leary said.

Continued on page 3



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Ryanair and Boeing have agreed revised delivery dates, and have also agreed compensation for the direct costs incurred by Ryanair over the past 18 months due to these delivery delays, although some of this compensation has been factored into a modest reduction in the pricing of this new aircraft order which has encouraged Ryanair to increase the firm order from 135 to 210 aircraft.

Ryanair again selected the 737 8-200, a higher-capacity version of the 737-8, citing the aircraft's additional seats and improved fuel efficiency and environmental performance.

Boeing's President and CEO Dave Calhoun said Boeing remains focused on safely returning the full 737 fleet to service and on delivering the



Ryanair will buy an additional 75 new MAX-8200 aircraft

Photo: Boeing

backlog of aircraft to Ryanair and their other customers in the new year. "We firmly believe

in this airplane and we will continue the work to re-earn the trust of all of our customers."

AIRCRAFT & ENGINE NEWS

Transport Canada intends to play greater role in aircraft validation after 737 MAX crashes

In a tone which now underlines the country's wariness of the relationship between Boeing and the U.S. Federal Aviation Administration, Transport Canada has announced its intention to play a far greater part in the validation process of aircraft. We "have to look at the interaction that different authorities have with their manufacturers," Nicholas Robinson, Transport Canada's director of civil aviation, told a Canadian hearing on aircraft certification and the MAX. Currently Transport Canada is yet to approve the 737 MAX despite the FAA having already approved the jet to return to the skies. In particular, Transport Canada is likely to require additional pilot training before giving the 737 MAX the all-clear. Bearing in mind the criticism that the FAA has come in for over its relationship with Boeing in relation to the certification processes for the MAX, other regulators are now being more cautious rather than simply accepting what the FAA reports. "It's public record that information was not forthcoming with regard to particular aspects of this aircraft," Robinson said. "That will have to change," adding: "We'll see a greater involvement in validation, but we do have to keep with the system where the state of design certifies the aircraft and the other leading authorities go ahead and validate the aircraft independently." However, Robinson conceded that in the case of Boeing, the FAA would still be responsible for the majority of the 'heavy lifting' of any validation process and that Transport Canada would not be looking to create a totally independent process.

Pel-Air receives first Beechcraft King Air 350 aircraft



King Air 350

Photo: Textron

Pel-Air, a subsidiary of Rex, has taken delivery of the first of five Beechcraft King Air 350 aircraft for the NSW Ambulance fixed-wing patient transport service. Pel-Air was awarded this contract in February 2020. The aircraft will undergo modifications locally, to meet the very stringent requirements of NSW Ambulance. This will allow the aircraft to carry out a range of operations like standard patient transfers, new-born and pediatric emergency transport service operations, extracorporeal membrane oxygenation operations, intra-aortic balloon pump operations, bariatric patient operations, over-water aeromedical transfers and major incident responses. The King Air 350 aircraft, with serial number FM-88, will be registered as VH-AMD. Pel-Air's preparations for the start of operations are progressing to plan and Pel-Air is currently recruiting the pilots needed for the beginning of operations on January 1, 2022.

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AIRCRAFT & ENGINE NEWS

Praetor fleet launch customer Flexjet takes delivery of first Praetor 600 jet



The first Praetor 600 for Flexjet

Photo: Embraer

Embraer has delivered the first jet in a fleet of Praetor 600s to Flexjet. The aircraft will be used for the company's burgeoning operations in Europe. Flexjet is the Praetor fleet launch customer, having received the first-ever Praetor 500 less than a year ago, in December 2019. The deal, valued at up to US\$1.4 billion, was announced at NBAA-BACE 2019 and comprises a fleet of Praetor 600s, Praetor 500s, and Phenom 300s. Embraer and Flexjet enjoy a long-standing, successful partnership. In 2003, Flight Options — which merged with Flexjet in 2015 — became the first fractional ownership program to introduce the Legacy Executive Jet. In 2010, they introduced the Phenom 300, and in 2012 the company took delivery of Embraer's milestone 100th Phenom 300. Then in 2015, Flexjet became the first fractional provider to offer the Legacy 500, later taking delivery of Embraer's milestone 1000th business jet — a Legacy 500 — in 2016. The Legacy 450 then joined the Flexjet fleet in 2016.

Polícia Rodoviária Federal of Brazil orders six AW119Kx helicopters

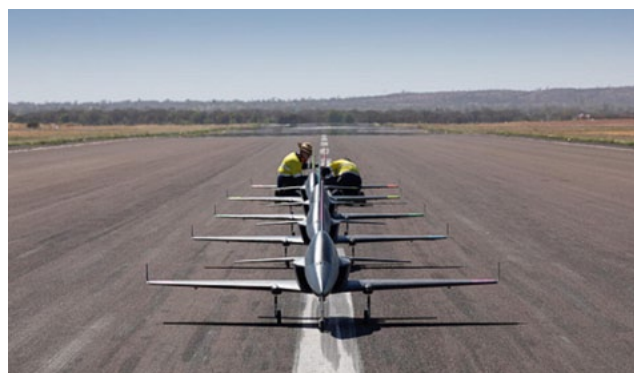
The Polícia Rodoviária Federal (PRF) of Brazil will introduce six AW119Kx single engine helicopters into service. The first aircraft is expected to be introduced in Brazil beginning next year, with the delivery of the remainder helicopters to the operator planned to be completed by mid-2021. The AW119Kxs will be operated by the Air Operations Division (DOA) from its bases in the five Regions of Brazil to perform a range of missions including transport, rescue, emergency medical service, firefighting, surveillance, and law enforcement. The selection of the AW119Kx by the PRF was made following a rigorous assessment of technical capabilities to best meet the law enforcement agency's needs. The handover of these helicopters will further expand the fleet of Leonardo helicopters used by law enforcement, rescue and public service operators across Brazil which already includes the AW119 single-engine type in addition to the AW109 light-twin and AW139 intermediate-twin models. The helicopters will feature an advanced customized configuration including, among others, a Garmin G1000NXi glass cockpit, an infrared capable electro-optics system, rescue hoist, cargo hook, bambi bucket to counter fires, rappelling kit on both sides for special forces operations, advanced communication systems.



The PRF has ordered six AW119Kx helicopters

Photo: Leonardo

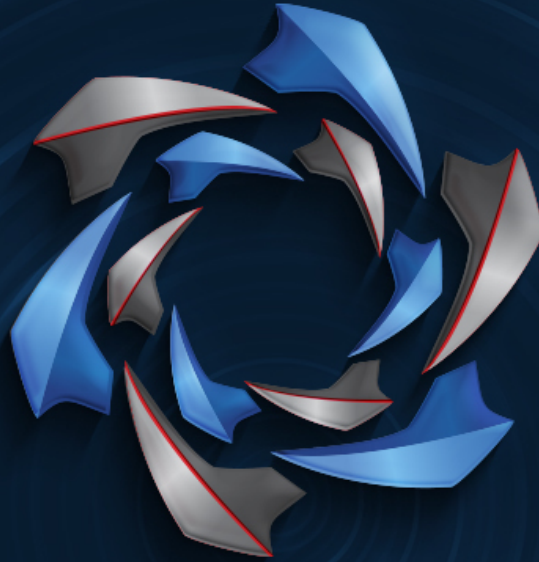
Boeing completes autonomous teaming flights



The five aircraft took off, completed various formations and landed autonomously as part of the test mission

Photo: Boeing

Boeing has completed flight tests with five high-performance surrogate jets operating autonomously in a team at the new Queensland Flight Test Range in Cloncurry, Australia. Boeing's advanced autonomy technology, including on-board command and control and data sharing capabilities, were tested using the 3.4-meter (11-foot) aircraft. Testing lasted ten days, with aircraft incrementally added until the five operated together. During testing, the aircraft reached speeds of 270 kilometers (167 miles) per hour. The activity was the final milestone delivered in partnership with the Queensland government as part of Boeing's Advanced Queensland Autonomous Systems Platform Technology project. During the project, Boeing has worked with over 90 personnel from a number of small-to-medium enterprises including RFDesigns, Amber Technology, Premier Box, McDermott Aviation and Five Rings Aerospace. Technology and capabilities proven under this program will form part of the Boeing Airpower Teaming System and future Boeing autonomous platforms.



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Airflow partners with VerdeGo Aero

Airflow, an aerial logistics company developing next-generation aircraft and services, has partnered with VerdeGo Aero, an aerospace electric powertrain technology company. They are teaming up to explore using the VerdeGo Aero hybrid-electric powertrain system in the Airflow eSTOL (electric Short Take-off and Landing) aircraft. VerdeGo Aero's diesel (Jet-A) hybrid system combines a 180KW generator with a high-power battery pack that reduces emissions and fuel burn by 35% compared to conventional turbine powertrains. Integrating VerdeGo's hybrid-electric powertrain to the eSTOL platform enhances the aircraft's mission capabilities by extending range to four to ten times that of a battery-electric system. This partnership shows the advancement of electric propulsion systems for aircraft that will provide long-range capability, reduce turnaround time on the ground, and enable multiple back-to-back missions before refueling or recharging. Airflow's eSTOL platform will be one of the first electric aircraft designed for aerial logistics, providing a higher payload at a lower cost than eVTOL cargo aircraft. "Our ability to rapidly move cargo from a warehouse directly to another warehouse helps e-commerce companies centralize inventory and reduce carrying costs. These capabilities are made possible by continued strategic partnerships like VerdeGo Aero," stated Marc Ausman, Airflow CEO. "VerdeGo Aero is excited to be applying its hybrid-electric powertrain systems for the Airflow eSTOL aircraft. VerdeGo's hybrid powertrain will enable the Airflow eSTOL to play a significant role in cargo and logistics missions around the world." – Eric Bartsch, CEO & Co-founder VerdeGo Aero.



Photo: Airflow warehouse

British Airway's Queens of the Skies saved for future generations



BOAC livery 747 aircraft

Photo: BA

British Airways' Queens of the Skies will continue to inspire aviation enthusiasts across the U.K. for years to come, after permanent homes have been found for its remaining retro-liveried Boeing 747 aircraft – the last to leave the British Airways fleet. The aircraft, registrations G-BNLY and G-BYGC, are this month due to depart from British Airways' engineering base in Cardiff, where they will be waved off by the British Airways engineers who for many years have proudly maintained the 747 fleet. The pair were among several aircraft painted in heritage liveries to mark the airline's centenary last year. Adorned in the iconic Landor livery, used between 1984 and 1997, G-BNLY has been given a new lease of life as a permanent exhibit at Dunsfold Aerodrome in Surrey. It will join its sister 747, G-CIVW, which was retired in late October and features the current Chatham Dockyard livery. G-BYGC, painted in the BOAC 'Gold Speedbird' livery used between 1963 and 1974, will make the short journey from Cardiff Airport to the Bro Tathan business park in the Vale of Glamorgan. It will be maintained as a heritage piece by aviation specialists eCube Solutions to showcase the pre-eminent contribution British Airways' 747 fleet made to U.K. aviation.

GA Telesis closes acquisition and sale of five Bell helicopters

GA Telesis (GAT) has closed the acquisition of five Bell helicopters while also concluding the sale of five Bell helicopters. All transactions have been executed by GA Telesis Rotorcraft (GATR). This is the second portfolio acquisition closed by GATR since its formation in November 2019, with the initial transaction covering seven Bell 206L4 models. The acquisition of the five helicopters consisted of two Bell 206L4 and three Bell 206B3 models. Concurrent with the purchase transaction, GATR sold the three 206B3s and the other 206L4 helicopters from the acquisition, along with a second 206L4 from GATR's existing fleet.



Photo: GA Telesis closes acquisition and sale of five Bell helicopters

CDB Aviation purchases and leases back nine 737 MAX aircraft to WestJet



Photo: WestJet Boeing 737 Max

CDB Aviation, a wholly owned Irish subsidiary of China Development Bank Financial Leasing (CDB Leasing), has completed the financing for eight of the nine Boeing 737 MAX 8 aircraft under the purchase-and-lease-back agreement with Calgary-based carrier WestJet. The ninth aircraft is anticipated to close in December 2020. The aircraft were originally delivered to WestJet over the past three years. "We have formed a strong working relationship with our colleagues at WestJet, and warmly welcome them to our growing family of airline customers across the Americas," commented CDB Aviation Chief Marketing Officer Peter Goodman.

EmbraerX and Airservices Australia release concept of operations for Urban Air Mobility

EmbraerX, Embraer's disruptive business subsidiary, and Airservices, Australia's civil air navigation service provider, have developed a new concept of operations (CONOPS) for the air taxi market, also known as urban air mobility (UAM). Going forward, Eve Urban Air Mobility Solutions, the new EmbraerX spin-off, will be responsible for this partnership with Airservices and for the development of urban air traffic management solutions. Australia is one of the countries benefitting from this innovation revolution and is attracting industry interest and investment, largely due to strong government support and a world-leading aviation safety record. This CONOPS was created to help safely introduce and accelerate the growth of the UAM market in Australia and to explore new and practical concepts to safely facilitate the introduction of the air taxi industry. Using the city of Melbourne, Australia as a model, the CONOPS examines how existing air traffic management solutions can initially enable UAM operations while simultaneously preparing for scale of operations through new traffic management technologies.



Photo: EmbraerX



SAS Airbus A340

Photo: AirTeamImages

SAS to phase out 21 older, less fuel-efficient aircraft

SAS has initiated the process to phase out 21 of its older and less fuel-efficient aircraft at an earlier stage than originally planned, including 15 Boeing 737NGs, five Airbus A340s and one Airbus A330 aircraft. The accelerated phase-out will support liquidity through the sales of aircraft and engines, as well as reduce spend on maintenance and leasing. Together with the agreement with Airbus on deferred deliveries of new aircraft, it will also better align SAS' fleet with current and expected demand. The accelerated phase-out will also contribute to lower emissions. Over the last 12 months, the carriers total CO2 emissions have decreased 57.2%, where the majority is related to reduced capacity as a consequence of the pandemic, but usage of more efficient aircraft connected to its ongoing fleet renewal has also contributed with 2.3 percentage points, in line with its ambitious target to reduce total CO2 emissions 25% by 2025.

Textron Aviation introduces King Air 260 to renowned turboprop line-up

Textron Aviation is launching an exciting new era for its renowned Beechcraft King Air 200 series aircraft with the introduction of the Beechcraft King Air 260 turboprop. Featuring the latest technological advancements to the cockpit and improvements in the cabin, the King Air 260 reflects the company's continued commitment to making substantial investments to its current products. Assembly production for the King Air 260 is already underway, and certification and deliveries are expected in early 2021. The announcement comes on the heels of the recently introduced Beechcraft King Air 360, which features the latest enhancements to the cockpit and cabin. The King Air 360 achieved FAA type certification in October, and customer deliveries are underway.



King Air 260 in flight

Photo: Textron



Middle East Airlines Airbus A321neo

Photo: AirTeamImages

BOC Aviation delivers first two new Airbus A321neo aircraft to Middle East Airlines

BOC Aviation has delivered the first two of five new Airbus A321neo aircraft for lease to Middle East Airlines. The aircraft will be powered by Pratt & Whitney's PurePower® PW1100G-JM engines. Mohamad EL HOUT, Chairman – Director General, Middle East Airlines, said: "We are pleased to work with BOC Aviation, our long-term partner who has confidence in MEA's capability and potentials. The new arrival in our fleet will further enhance our commitment to offer our passengers the best product and continued modernization of the fleet despite the local and international challenges."

MRO & PRODUCTION NEWS

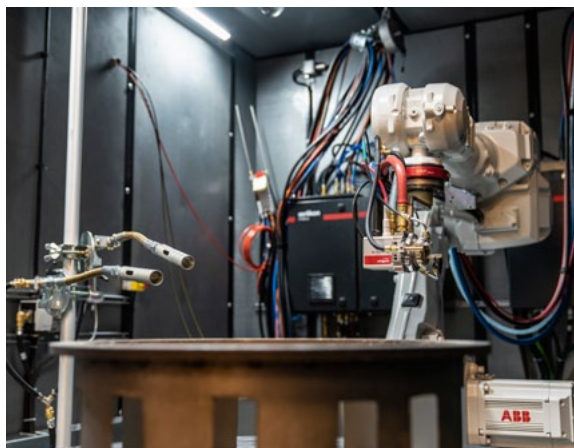
Jet Aviation completes first 4C-check on Falcon 50 in the Middle East

Jet Aviation Dubai has completed and successfully redelivered the region's first 4C-Check on a Dassault Falcon 50. The inspection was combined with FMS upgrades, light cabin refurbishments, and mandatory ADS-B implementation. In tandem, the company also redelivered a 144-month check on a G450 and a 192-month check on G-IV, both requiring extensive structural repairs. The company is currently performing a C-Check on a BBJ. The 4C maintenance inspection on a Dassault Falcon 50 is a milestone maintenance event due 24 years after service entry that requires extensive removal and subsequent reinstallation of the aircraft's structures and systems for detailed inspections. With this Falcon 4C inspection, the aircraft cabin was entirely stripped, the three engines were removed and sent to the engine shop, and the landing gear was replaced. The 8000+ dedicated man-hour project was achieved by sharing expertise and resources with the company's Basel Dassault Falcon center of excellence, demonstrating Jet Aviation's global MRO expertise and footprint.



Photo: Jet Aviation Dubai hangar

Aero Norway continues program of investment with addition of new plasma spraying machine



Aero Norway invested in a new plasma spraying machine

Photo: Aero Norway

Aero Norway, the specialist CFM56 repair facility, has further expanded its capabilities with the addition of a new plasma spraying machine. The Oerlikon MultiCoat™ Pro advanced thermal spray platform, offers increased efficiency as well as multiple thermal spray processes in one system including plasma spray and HVOF (High Velocity Oxygen Fuel). "The introduction of the new machine has also allowed us greater physical flexibility within our internal repair equipment as it has a reduced footprint, and enables us to offer HVOF related repairs in addition to the plasma repairs," says Neil Russell, Chief Operating Officer at Aero Norway. "This is a substantial investment that was initiated in 2019 / 2020 as part of our strategy to identify which parts needed to be brought in house and grow our repair back shop accordingly." The advanced thermal spray system platform – MultiCoat™ Pro combines multiple thermal spray processes in one system which will allow Aero Norway's customers to benefit from the unlimited versatility and unmatched process control. In addition to reduce turn-around times as a result of the introduction of this more efficient system, the new platform will allow the integration of multiple thermal spray processes, eliminate operating errors, and deliver the benefit of fast, flexible upgrades with minimal shop disruption.

APOC Aviation disassembles two CFM56-7B engines

APOC Aviation will be bringing two torn down CFM56-7B engines into stock mid-December. ESN874488 and ESN888169 have previously been operated and maintained by a leading North American carrier. Both engines are being disassembled in tandem at two of APOC's chosen teardown facilities in the USA. APOC is considering selling part of the material in 'As Removed Guaranteed Repairable' condition providing engine MROs with the opportunity to overhaul the parts themselves. Other components will be repaired by APOC for stock and these will be available in the first quarter of 2021. According to Jim Nypels, Engine Materials Sales & Trading – APOC Aviation, the CFM56-7B is a sought-after engine candidate for teardown. "As a teardown and part-out specialist, APOC is focused on preserving the high caliber of our inventory for modern commercial aircraft and engines and this work is being carried out by two valued partners that we're excited to start engine teardown partnerships with. We are building capability for the future and evaluate our engines on strict criteria – in particular maintenance history and records, LLP status and QEC Inventory. We have been very active in the engines marketplace in recent months and these two engines form part of the portfolio of five CFM56 engines that we purchased for leasing, trading and teardown."



Photo: APOC Aviation disassembles two CFM56-7B-engines

MRO & PRODUCTION NEWS

MTU Maintenance Zhuhai completes expansion

MTU Maintenance Zhuhai, a joint venture between MTU Aero Engines and China Southern Airlines, has completed its facility expansion to increase existing capacity by 50% to 450 shop visits per year and adding 13,600 m² as well as employee sport and parking facilities. Teams will start moving into the office buildings from December and the shop will ramp up initially to full capacity as market demand increases post COVID-19 crisis. "We're extremely confident in the recovery of the Chinese and Asian market region, as underlined by our commitment to building a second facility in the region announced earlier this week," says Michael Schreyögg, Chief Program Officer, MTU Aero Engines. "Despite a slow second quarter, MTU Maintenance Zhuhai is back operating at nearly 100% and assuming this trend continues, we're very optimistic about 2021 at the facility." The shop just completed its 3,000th engine, a V2500 from its joint venture partner.

Kaman expands composite repair to aftermarket through partnership with C&L Aerospace

Kaman Composites – Wichita, an indirect subsidiary of Kaman Corporation, has announced the expansion of its composite repair services to the business jet aftermarket with MRO provider and distributor, C&L Aerospace, a C&L Aviation Group Company of Bangor, Maine. Kaman Composites named C&L Aerospace its exclusive distributor for composite structural repairs out of its FAA Part 145 Repair Station in Wichita, Kansas. "Historically, Kaman Composites has provided structural repair exclusively for military programs," explained Malissa Nesmith, Senior Director of Business Development for Kaman Composites. "However, this collaboration with C&L expands our repair services into the business aviation aftermarket, which we are looking forward to supporting." Kaman Composites and C&L Aerospace will be offering structural repairs for a variety of business jet platforms, including Textron and Bombardier platforms. Last year, Kaman Composites formed the Radome Center of Excellence, which provides not only radome production, but also design and engineering services. Radome repair will be one of the capabilities offered through C&L Aerospace.

VAS Aero Services acquires multiple CFM56-7B engines for teardown

VAS Aero Services has acquired multiple CFM International CFM56-7B engines for teardown and distribution of the surplus parts through VAS' worldwide airline operator customer base. The first CFM56-7B engine has been placed with VAS' aftermarket services partner, SR Technics (SRT), for teardown and parts recertification. The addition of

RECARO Aircraft Seating to equip Avolon's A320 and B737NG with BL3530 SPRINT seats

Aircraft lessor Avolon and Recaro Aircraft Seating have signed an order for twenty shipsets of the SPRINT seat, consisting of fifteen shipsets for use on Avolon's A320 aircraft and five shipsets for the B737NG aircraft; the seats will be delivered in the first half of 2021. To meet the needs of customers with tight aircraft transition schedules, Recaro rolled out the SPRINT program in 2019 as a customer service solution with only two months from order to delivery. The SPRINT program allows customers to select the e-leather cover color from five pre-defined and pre-certified colors for the BL3530 seat. SPRINT standard configurations are available for Airbus A319, A320, A321 and Boeing 737 aircraft.



Photo: Recaro BL3530 seats

P&W and MTU Maintenance Zhuhai sign PW1100G-JM network agreement



PW1100G testbed

Photo: MTU

Pratt & Whitney will expand its global network of providers that maintain the Pratt & Whitney GTF™ engine to include MTU Maintenance Zhuhai, a joint venture between MTU Aero Engines and China Southern Airlines. MTU Maintenance Zhuhai will provide engine maintenance for PW1100G-JM engines for the Airbus A320neo family of aircraft. The Zhuhai facility will be MTU's third facility to

serve engines with full disassembly, assembly, and test capability in the GTF MRO network. The expanding GTF MRO network is comprised of the industry's leading MRO companies. By the end of 2020, there will be nine active GTF MRO engine centers. The GTF MRO network is part of Pratt & Whitney's EngineWise™ service solutions, which provides engine operators with a variety of aftermarket services resulting in long-term, sustainable value.

Israel Aerospace Industries and Gulf Air enter line maintenance agreement

Israel Aerospace Industries' (IAI) Aviation Group has entered a line maintenance agreement with Bahrain's airline Gulf Air. Under the contract, the Aviation Group will provide a comprehensive technical response to all of Gulf Air's airplanes expected to land at the Ben Gurion International Airport, including post- and pre-flight services, daily maintenance, and support for any technical issues. IAI's Aviation Group provides line maintenance services to some 75% of the airlines that arrive at the Ben Gurion Airport.



Photo: Gulf Air

MRO & PRODUCTION NEWS

the CFM engine enhances VAS' supply relationship with SRT and offers major end users versus, used, serviceable material solutions.

AAR partners with FTAI to create serviceable engine products

AAR has signed an agreement with Fortress Transportation and Infrastructure Investors (FTAI), to create serviceable engine products, an exclusive seven-year CFM56 used serviceable material (USM) partnership. The partnership will build USM inventory for the global aviation aftermarket and FTAI's own consumption at The Module Factory™, a dedicated commercial maintenance center focused on modular repair and refurbishment of CFM56-7B and CFM56-5B engines. Through its worldwide network, AAR will manage the teardown, repair, marketing and sales of spare parts from FTAI's CFM56 engine pool totaling over 200 engines and growing.

Thales and StandardAero achieve first four-axis autopilot test flight for Airbus AS350 and H125 helicopters

Thales and Standard Aero StandardAero have announced the successful first flight test of a revolutionary compact autopilot system for the Airbus AS350 and H125 helicopter. This is a key milestone which lays the groundwork for this critical phase of the Supplemental Type Certification (STC) process and the launch of this unique autopilot solution to the light helicopter market by the middle of 2021. Flight testing will continue throughout this winter at StandardAero's Langley, British Columbia, Canada facility, and WeatherTech, the well-known automotive accessories company, will be its launch customer. The Autopilot will initially be certified for installation on both the Airbus AS350 and H125 helicopter platforms. The Thales/StandardAero compact autopilot is an intuitive automatic flight control system on the AS350/H125 that increases safety by reducing pilot workload. It provides stability augmentation, attitude retention and flight director modes such as altitude or heading hold.

FINANCIAL NEWS

BOC Aviation increases revolving credit facility with Bank of China to US\$3.5 billion

BOC Aviation has released that it has increased the amount of the committed, unsecured revolving credit facility (the RCF) from its largest shareholder, Bank of China and extended the maturity to 2026. The new terms of the facility now provide the Company with US\$3.5 billion to support its future growth, an increase of US\$1.5 billion. The final maturity of the RCF has also been extended from April 28, 2022 to December 31, 2026.

gategroup receives green light to take over LSG's European business



Photo: Lufthansa Group

In December 2019, Lufthansa Group and gategroup concluded a purchase agreement for the European operations of LSG Group. This accounts for about one third of LSG Group's total business. gategroup now meets all requirements of the European Commission. Thus, the purchase agreement could now be executed, the so-called "closing" has taken

place. Both parties have agreed not to disclose the financial details of the transaction. In addition to the European catering businesses, the purchase agreement also covers the lounge and train business and the retail convenience food brand Evertaste and its European facilities, the equipment business SPIRIANT, and the retail stores of the "Ringeltaube" brand. gategroup is a long-term partner for catering and services in Frankfurt, Munich, and Zurich. Lufthansa will retain a minority stake in the Frankfurt and Munich catering facilities, which provide in-flight service for Lufthansa flights. This ensures a seamless transition of the catering business and a successful start of the cooperation. gategroup will introduce a new Lufthansa-dedicated Studio 50/8TM*, a culinary think tank and exclusive house of inspiration and co-creation which will set a new airline catering industry standard.

Germany's Condor ends shield proceedings – announces the company is again financially healthy

While remaining an asset of the now defunct Thomas Cook Group, Condor Flugdienst GmbH (Condor) the German charter airline, has announced that it is once again a healthy company. On September 25, 2019 Condor obtained credit facilities of €380 million (US\$460 million) while on December 19, 2019 "Schutzschirmverfahren" (protective shield proceedings) began under the Frankfurt jurisdiction. "Condor is leaving what is probably the most challenging time in the company's history behind it today and is beginning a new chapter. For our customers and partners, this means that they can continue to rely on Condor," says Ralf Teckentrup, CEO of Condor. Through numerous cost-cutting measures which came about through the carrier's restructuring, operations now have a more secure foundation. Operating out of new cost-efficient premises and subsequent to viable collective agreements with several unions, 4,200 jobs are now safer as a result of new-found operational flexibility. "Following the successful restructuring, Condor is now much leaner and more efficient. The airline is in pole position as soon as tourism starts up again," said Prof. Dr. Lucas Flöther, administrator of Condor's protective shield proceedings at its conclusion. "Condor is thus the first company in this industry to have undergone a protective shielding proceeding so successfully. All parties involved have done everything possible to save the company. The whole process was first-class teamwork".



Photo: Condor

FINANCIAL NEWS

FL Technics acquires Wright International and takes foothold in Canadian MRO market

FL Technics, a global provider of aircraft maintenance, repair and overhaul (MRO) services, has acquired Wright International, an independent provider of line maintenance services in Canada. For FL Technics as well as its parent company Avia Solutions Group, this marks the entry into the North American aviation services market. Wright International provides aircraft line maintenance services up to 'A' level checks, AOG support and training for airlines at Canada's major international airports, including Toronto Pearson, Vancouver, Calgary, Montreal-Mirabel and Ottawa. Founded in 1991 and headquartered at Toronto Pearson International Airport, Wright International is a Transport Canada- and EASA-approved Maintenance Organization (AMO) licensed to service most commercial aircraft types. The acquisition of Wright International grants FL Technics a foothold in the strategically important North American market and allows it to serve its airline clients across an even wider network of international locations. Together with its subsidiaries, FL Technics today offers line maintenance services at over 70 airports and base maintenance services at five locations around the globe.

TUI extends borrowing with third bailout from German government, banks, and investors

TUI, the world's largest holiday company, has secured a third major financial bailout to help it cope with the knock-on effects of the COVID-19 pandemic on the travel industry. Having already secured €3 billion in state loans this year, the company has announced that it has struck a deal with the German government, banks and private investors to borrow an additional €1.8 billion. TUI lost €1.1 billion in the second quarter of 2020, having flown 23 million holidaymakers in 2019. Currently the company is burning through approximately €600 million a month. Including this new loan, TUI now has reserves of €2.5 billion, as of December 1, to help the business recover post pandemic. According to Reuters news agency, TUI's largest shareholder, Russian billionaire Alexey Mordashov, who owns 25% of the company, will be expanding his investment as part of the capital measures, his stake increasing to 36% if he gets an exemption from financial watchdog Bafin from making a mandatory takeover offer. Otherwise, he will hike it to 29.9%. The package comes with a ban on management bonuses and dividends, a German economy ministry spokeswoman

MILITARY AND DEFENCE

Embraer delivers first modernized E-99 jet to the Brazilian Air Force



The Brazilian Air Force took delivery of the first modernized E-99 jet

Photo: Embraer

Embraer has delivered the first modernized EMB 145 AEW&C (Airborne Early Warning and Control), designated E-99, to the Brazilian Air Force (FAB). Four additional E-99 aircraft will be modernized as part of the contract. The mission systems and related subsystems, including electronic warfare, command and control, electronic countermeasures, and aerial surveillance radar were updated as part of the modernization process, expanding FAB's capacity to carry out Flight Control and Alarm missions and Electronic Reconnaissance, among others. The E-99M project is conducted by COPAC with support from Embraer and various international suppliers, such as SAAB, Aeroelectronica International (AELI), and Rohde & Schwarz. In addition to modernization, the project entails technology transfer agreements that will enable technological advancements for the Brazilian defense industry. Atech, an Embraer Defense and Security company, participates in the development of the command and control system. Six mission planning and analysis stations were also acquired, which will be used for the training and improvement of crews.

Republic of Mali orders additional Airbus C295



The Republic of Mali has placed an order for an additional C295 airlifter

Photo: Airbus

The Ministry of Defense of the Republic of Mali has placed a firm order for an additional Airbus C295 airlifter in the transport configuration. This second aircraft, to be delivered in 2021, will supplement the first C295 already in operation since December 2016 which has already accumulated 1,770 flight hours and transported more than 38,000 passengers and 900 tons of cargo in less than four years of operations. This new order also includes an integrated logistics support package with spare parts for the two aircraft and training for flight crews and mechanics. This acquisition is in response to the urgent need of the authorities of the Republic of Mali to have permanent air transport capacity within a very short timeframe, providing a vital link supporting operations and actions for the development of isolated areas in the northern regions of the country.

FINANCIAL NEWS

said. However, budget lawmaker Sven-Christian Kindler from the opposition Greens called on the government to include strict rules on climate and job protection into the package. The new TUI rescue package includes a €500 million capital increase with subscription rights and a €420 million so-called silent participation from Germany's economic support fund WSF, which can be converted into equity at any time. It also includes a non-convertible equity hybrid from WSF worth €280 million, a state guarantee of €400 million, an extra €200 million credit facility from state bank KfW and the extension of an existing KfW facility to July 2022. (€1.00 = US\$1.21 at time of publication.)

INFORMATION TECHNOLOGY

IBS Software is offering its **iCargo** customers the opportunity to increase their reach to the market and thereby scale their cargo revenues through a new partnership with **CargoAi**. By partnering with CargoAi, IBS' customers can extend their presence in new and existing markets by leveraging on digital sales and distribution services. This is a real 'helping hand' both for business and for digitalization within the industry. IBS Software has been working with CargoAi since July 2020 to build a rich integration between iCargo and CargoAi using a scalable, API based architecture. "Through this partnership, CargoAi and IBS Software have invested in creating platform-level integration to give our customers more choices on channels to digitally connect with their clients, faster time-to-market for such capabilities, and to do so with very little effort," says Ashok Rajan, SVP & Head of Cargo & Logistics, IBS Software. He adds: "We believe that innovation can be fast-tracked by partnering with companies like CargoAi, bringing in new and improved ways of doing business like in sales and distribution, which is still very antiquated and legacy-based in the air cargo industry." Keen to offer a 'digital ecosystem' to its customers, IBS Software is making its motto of 'Partnering for Innovation' a reality. With this API based integration between platforms, airlines using only have to turn on the switch for e-bookings from all over the world to reach their system. The process could not be easier for airlines – only a few days of tests are required between the platforms to get on board with CargoAi and no expensive bespoke IT development or complex system integration projects is required to deliver this capability. All the work has been done ahead of time by the two partners.

On Monday, December 07, 2020, **Aeroji**, the Berlin-based startup, goes live with the Beta

OTHER NEWS



Fly Gangwon

Photo: AirTeamImages

Sabre Corporation has announced that new low-cost South Korean carrier **Fly Gangwon**, has selected Sabre to be its first global GDS partner to deliver flight content to hundreds of thousands of travel agents worldwide, while powering recovery, reaching new customer segments and driving higher sales. Launched in 2016 and making its inaugural flight during 2019, Yangyang-based Fly Gangwon flies domestically as well as regionally to the Philippines, Taiwan and Vietnam and has ambitious future expansion plans to scale operations to Vietnam and China. Being part of Sabre's extensive, global GDS network will make Fly Gangwon's content available to travel agents for the first time, enabling the carrier to target a broader geographic market, to reach new customer segments, and secure higher yield business.



American Airlines Cargo team is preparing for its critical role in transporting the COVID-19 vaccine once approved
Photo: American Airlines

The **American Airlines** Cargo team is preparing for its critical role in transporting the coronavirus (COVID-19) vaccine once approved. In mid-November, American's cargo operation began conducting trial flights in conjunction with pharmaceutical and cargo partners, from Miami to South America on its Boeing 777-200 aircraft. The trial flights simulate the conditions required for the COVID-19 vaccine to stress test the thermal packaging and operational handling process that will ultimately ensure it remains stable as it moves across the globe. While the situation will be unique, the task is not new to American — the airline's cargo operation has been shipping life-saving medicine for more than eight decades. Since the beginning of the pandemic, American has been transporting hundreds of thousands of pounds of personal protective equipment (PPE), medical equipment, COVID-19 test kits and pharmaceuticals to help battle the coronavirus. As a recognized expert in cold chain logistics, American has been involved in transporting components for Phase III COVID-19 vaccine trials, including quickly and safely carrying test vaccines and specimens to research facilities around the world. Many vaccines, including the COVID-19 vaccine, need special handling to keep a consistently cold temperature throughout their journey. American has an established network of facilities and team members who specialize in temperature-critical shipments and are familiar with handling the variety of requirements that different pharmaceuticals may need.

INFORMATION TECHNOLOGY

version of its marketplace module. Having secured **Kellstrom Aerospace**, **KG Aircraft Rotables**, **Onur Material Services**, **LCI.aero**, and **Aeras Aviation** as Beta users, the team of Aeroji is looking to establish strong and long-lasting relationships with the first users in order to acquire further insights and improvement proposals and develop new features in a flexible, creative and collaborative way apace. Apart from starting the interactive development process with professionals from the engine aftermarket domain, Aeroji also looks out for professionals from the broader aviation sector to assess integration opportunities and explore ways to provide even more value for its customers. "All 'out of the box' thinkers from the aviation and related industries with experience in digital services and value propositions, streamlining of processes and level 2 integrations are also welcome to join the Beta phase. Furthermore, pilot projects with users who know each other already e.g. Lessor-Airline or Airline-MRO pairs will support the team in developing further functionalities.", says Dimitri Martel, Co-Founder and managing director of Aeroji. The Beta is scheduled to last four months. In December the service will introduce a playground phase, where all Beta users, those interested in using the platform for asset trading and leasing, and also all other supporters can start exploring the platform with all its features. Starting from January 2021 the three-month operational phase of the Beta will begin with those users interested in engine transactions and with real asset items in the database. "Every interested professional is welcome to join at any time during the Beta phase.", says Dimitri Martel. Depending on the onboarding point in time within this phase, the users will receive an additional free period bonus after the launch in April 2021 ranging between one to three months. The platform will benefit from the growth and continuously provide more value with its growing network.

OTHER NEWS

Qantas has notified around 2000 employees that it will move to outsource ground handling operations at ten airports across Australia as it works to recover from the COVID crisis. In August, the airline announced its reasons for needing to restructure its ground handling operations, which included baggage handling and aircraft cleaning, and commenced a review of external bids from specialist ground handlers and in-house bids from employees and their representatives. The bids were required to meet the following objectives:

- Reducing the overall cost of ground handling

operations (as Qantas anticipated it could save approximately AU\$100 million annually, based on pre-COVID levels of flying, through the use of third-party providers)

- Avoiding large spending on ground handling equipment such as aircraft tugs and baggage loaders (AU\$80 million over five years).

- Better matching its ground handling services and cost, with fluctuating levels of demand.

The **Transport Workers Union (TWU)** submitted a bid on behalf of employees in accordance with terms in the enterprise agreement. Teams from some individual airports submitted local proposals. Unfortunately, none of those bids met the objectives. A number of external bidders, some of whom already provide these services at 55 airports across Australia, were able to meet all of the objectives, including reducing annual costs by approximately AU\$103 million. The preferred bidders are in the process of being notified and, subject to consultation and finalizing contract terms, transition is intended to occur in the first quarter of 2021. (US\$1.00 = AU\$1.36 at time of publication.)

INDUSTRY PEOPLE



David Coleal

- Incora, a leading provider of comprehensive supply chain management services to the global aerospace and other industries, has announced the appointment of **David Coleal** as group Chief Executive

Officer. Coleal has more than two decades of senior leadership experience within the aerospace and defense sectors, including serving as president of Bombardier Aviation and executive vice president at Spirit AeroSystems. Effective November 30, 2020, the appointment comes at a significant time for the company as it embarks on the next phase of its growth trajectory, driven by an unrelenting focus to provide Incora's customers with leading-edge solutions for the global supply chain. Incora is dedicated to understanding customer needs and providing innovative new products, services and customized solutions that deliver on its promise of reducing complexity and increasing reliability for customers.

- **King Thompson** has been named the Senior Sales and Customer Support Manager for maintenance, repair, and



King Thompson

overhaul (MRO) activity at the Middle River Aerostructure Systems (MRAS) business of ST Engineering. In this new role, Thompson will lead and assist sales campaigns for MRAS' expanding MRO business

focus on jet engine nacelles and engine components. He is also responsible for managing MRO service agreements and material, along with ensuring customer satisfaction. Thompson brings more than 20 years of MRO expertise in the airline industry, having held sales and customer service manager positions at United Airlines and Delta Air Lines. Prior to joining MRAS, he was the MRO Sales & Customer Service Manager for United Airlines, based in San Francisco, California.

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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	DVB Bank	CFM56-5B63	3586	2008	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-100	DVB Bank	V2522-A5	2375	2005	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
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	2129	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A319-100	BBAM	CFM56-5B5	2249	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-100	BBAM	CFM56-5B5/P	1362	2000	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-100	ALTAVAIR	CFM56-5B6/P	1102	1999	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
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/P	2584	2005	Q1/2021	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	DVB Bank	V2527-A5	3734	2009	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-200	DVB Bank	V2527-A5	2164	2004	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-214	DVB Bank	CFM56-584/3	3767	2009	Q1/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-230	DVB Bank	V2527-A5	4552	2010	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-230	DVB Bank	V2527-A5	2395	2005	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-251neo	FPG Amentum	LEAP 1A26	8300	2018	Now	Sale / Lease	Niall Hayden	niall.hayden@fpg-amentum.aero	+353 83 154 6475
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	Q4/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-200	GA Telesis	CF6-80E1A4	510	2002	Now	Sale	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A330-200 (16x)	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	Q1/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-200	Doric	CF6-80E1A4/B	883	2007	Q1/2021	Sale	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-200	AELF FlightService	CF6-80E1A3	466	2002	Now	Wet / Charter	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
A330-200	AELF FlightService	CF6-80E1A3	871	2007	Now	Wet / Charter	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
A330-200	AELF FlightService	PW4168A	970	2008	Now	Lease	Stephen Haire	shaire@aelfinc.com	+1 3127721613
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	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	PW4168A	403	2003	Sep 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	DVB Bank	Trent 772B-6	1146	2010	Q4/2020	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-700	BBAM	CFM56-7B22	38125	2011	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	CFM56-7B22	38126	2011	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	CFM56-7B22	38127	2011	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	CFM56-7B20	32414	2002	Feb 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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	FPG Amentum	CFM56-7B26/3	35647	2009	Q2/2021	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
B737-800	FPG Amentum	CFM56-7B26/3	39162	2009	Q3/2021	Sale / Lease	Niall Hayden	niall.hayden@fpg-amentum.aero	+353 83 154 6475
B737-800	FPG Amentum	CFM56-7B26/3	39163	2009	Q4/2021	Sale / Lease	Niall Hayden	niall.hayden@fpg-amentum.aero	+353 83 154 6475
B737-800	GA Telesis	CFM56-7B26	30230	1999	Feb 2021	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
B737-800	DVB Bank	CFM56-7B27	30654	2003	Q1/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B26E	40880	2012	Q1/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B26	30294	Q4/2020	Sale	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449	
B737-800	ORIX Aviation	CFM56-7B26E	38034	2012	Q4/2020	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ALTAVAIR	CFM56-7B26	27985	2000	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
B737-800	ALTAVAIR	CFM56-7B26	28382	2000	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
B737-800	BBAM	CFM56-7B26	28595	1999	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800SF	GA Telesis		28826	1999	Q2/2021	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
B737-800SF	GA Telesis		32903	2002	Q4/2020	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
B737-900	BBAM	CFM56-7B26/3	34953	2007	Dec 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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	Q1/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449



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THE AIRCRAFT AND ENGINE MARKETPLACE

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
ATR72-600	AELIS Group	PW127N	1172	2014	Now	Sale	Mirka Tomasovicova	contact@aelisgroup.com	+42 1911973118
ATR72-600	AELIS Group	PW127N	1196	2014	Now	Sale	Mirka Tomasovicova	contact@aelisgroup.com	+42 1911973118
ATR72-600	AELIS Group	PW127N	1199	2014	Now	Sale	Mirka Tomasovicova	contact@aelisgroup.com	+42 1911973118
ATR72-600	AELIS Group	PW127N	1231	2015	Now	Sale	Mirka Tomasovicova	contact@aelisgroup.com	+42 1911973118
CRJ-200LR	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	+1(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10205	2005	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	+1(305) 759-0670 Ext.164
(20) DHC-8-400	FPG Amentum	PW150A	multiple	2003-2011	Now	Sale / Lease	Rupert Leggett	rupert.leggett@fpg-amentum.aero	+353 86 041 9902
D0328 Jet	Regional One	PW306B	3185	2001	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	+1(305) 759-0670 Ext.164
ERJ170-100LR	Regional One	CF34-8E5	17000123	2006	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	+1(305) 759-0670 Ext.164
ERJ-145LR	Regional One	AE3007A1	145304	2001	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	+1(305) 759-0670 Ext.164
ERJ-145LR	Regional One	AE3007A1	145331	2000	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	+1(305) 759-0670 Ext.164

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				
(1) CF34-3B1 (dual release tag)	Now - Sale	FL Technics	Modestas Valiusevicius	m.valiusevicius@fltechnics.com	+370 6 54 96179
(3) CF34-10E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF34-8E5A1	Now - Lease	Magellan Aviation Group	Bill Poly	bill.poly@magellangroup.net	+1 (704) 504 9204x202
(1) CF34-8C5A1	Now - Lease				
(2) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
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
(2) CF6-80E1	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(1) CF6-80E1A4B	Now - Sale / Lease	Castelake	Stuart MacGregor	Stuart.macgregor@castelake.com	+44 207 190 6138
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CFM56-5B (all thrust levels)	Now - Sale / Lease	Contrail Aviation	Kevin Milligan	kevin@contrail.com	+1 949-933-0797
(2) CFM56-7B (all thrust levels)					
(3) CFM56-5C4	Now - Lease	AELF FlightService	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
(1) CFM56-5B4/P (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiairline.com	+1 786 785 0787
(1) CFM56-5B5/P	Now - Lease				
(1) CFM56-5B8/P	Now - Lease				
(2) CFM56-7B26 (full QEC)	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(1) CFM56-7B22 (with QEC)	Now - Lease				
(2) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P	Now - Lease				
(1) CFM56-7B224/E	Now - Lease				
(1) CFM56-5C	Now - Lease				
(1) CFM56-7B27/B3	Now - Lease				



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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-5B3/3 PIP	Now - Lease	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(4) CFM56-7B26	Now - Sale / Lease	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(2) CFM56-5B6/P	Now - Sale / Lease				
(2) CFM56-7B26	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(3) CFM56-5B5/P	Now - Sale / Lease				
(2) CFM56-7B22	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.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				
(2) CFM56-5B4/P	Now - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-7B22	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CFM56-7B26	Now - Sale / Lease				
(1) CFM56-5B4/P	Now - Sale / Lease				
(2) CFM56-7B26/27	Now - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(2) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B4/P	Now - Lease				
JT8D and JT9D Engines	Sale / Lease	Company	Contact	Email	Phone
(1) JT8D-219	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GE90 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) GE90-115B	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) GE90-94B	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(2) GE90-115BL1	Now - Sale/Lease/Exch.	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(1) GE90-115BL (Propulsor)	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(1) 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
(2) PW4168A	Now - Lease	Presidio Aircraft Leasing	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(3) PW121	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) PW123B/E	Now - Sale / Lease				
(3) PW127E/F/M	Now - Sale / Lease				
(1) PW150A	Now - Sale / Lease				
(1) PW123	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(3) PW150A	Now - Sale/Lease/Exch.				
(3) 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				
(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.				

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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(2) PW123	Now - Sale	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) PW120A	Now - Sale				
(1) PW120 / PW121	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610
RB211 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) RB211-535E4	Now - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
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-556	Now - Sale/Lease/Exch.				
(1) Trent XWB-84k	Now - Lease				
(1) Trent772B-60	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) Trent 892B-17	Now - Sale	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
(1) Trent 892B-17	Now - Sale / Exchange				
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) V2527-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(2) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2530-A5	Now - Lease				
(2) V2527-A5	Now - Lease				
(1) V2527E-A5 (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiaaviation.com	+1 786 785 0787
(1) V2527-A5	Now - Lease				
(2) V2522-A5	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(2) V2527-A5	Now - Lease				
(2) V2527-A5	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204
(3) V2533-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) GTC331-500B	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules					
(2) GTC331-200ER, (2) GTC331-9A,	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) GTC331-9B					
(1) A321 Enhanced Landing Gear 2020 OH					
Neutral CFM56-7B QEC Kit	Now - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
Landing gear shipsets	Now - Sale	GA Telesis	Danielle Rodon	landinggearsales@gatelesis.com	+1 954 865 9314
737-800, 777, A320, A330					
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GTC331-98DHF APU	Now - Sale/Lease/Exch.				
A320 Nose Landing Gear	Now - Sale/Lease/Exch.				
CFM56-3 LPT MODULE, REPAIRED	Now - Sale/Lease/Exch.				
CFM56-3 ENGINE STAND	Now - Lease				
(1) GTC331-150RJ, (2) GTC331-100M,	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) RE220RJ, (1) PW126 RGB, (1) PW901A					
(1) APS1000-C12, (1) APS1000-C3					
GTC331-9A (2), GTC331-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTC331-200, GTC331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(1) PW901A APU	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)141 389 3014
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(1) APU T-62T-40C	Now - Sale	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(2) GTC331-9A, (2) GTC331-9B, (3) GTC331-350		GA Telesis	John Wales	apu@gatelesis.com	+1-417-622-7215
(1) GTC331-200ER, (1) APS3200, (2) GTC331-500					
Engine stands: CF6-80C2, CFM56-3, CFM56-5, CFM56-7, PW4000			Stephen Toutt	stands@gatelesis.com	+1-954-676-3111
(1) APU GTC131-9A, (1) APU GTC131-9B	Now - Sale / Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
Engine stands now available	Now - Lease				
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368

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