

Weekly Aviation Headline News

WORLD NEWS

American Airlines plans MAX return to service

American Airlines anticipates that the impending software updates to the Boeing 737 MAX will lead to recertification of the aircraft later this year and resumption of commercial service in January 2020. American Airlines remains confident that impending software updates to the Boeing 737 MAX, along with the new training elements Boeing is developing in coordination with the carrier's union partners, will lead to recertification of the aircraft this year.

CAE and easyJet inaugurate a new training centre in Milan

CAE and easyJet announced the official opening and inauguration of the CAE Milan training centre, located near the Milan Malpensa airport in Lombardy, Italy. CAE and easyJet inaugurated the new centre alongside local Italian and Canadian government officials. After London Gatwick and Manchester, this is the third new training centre that CAE has inaugurated in the last month to support the pilot training needs of easyJet across Europe and its exclusive long-term pilot training agreement with the airline, announced in November 2018.

EL AL Cargo goes digital

EL AL Israel Airlines Cargo has joined the digital air cargo booking platform cargo.one and adds its cargo capacities to the multi-airline platform. After a swift and customised integration of 12 weeks, the first EL AL Cargo digital booking was successfully made via cargo.one by Hellmann Worldwide Logistics from FRA to MIA. All EL AL Cargo routings from Germany via TLV to its international destinations are now live and available for digital booking via cargo.one.



Cargo is a growing business for both Virgin and Delta.
Photo: Virgin Cargo

Virgin Delta Cargo open new Heathrow facility

With new technologies at the forefront

Virgin Atlantic Cargo and Delta Cargo have opened a state-of-the-art export facility at London Heathrow to future-proof the joint venture's growth plans in the U.K. market. This is supported by new technologies that will enhance business continuity, as well as deliver significant improvements and transparency in the customer delivery experience.

Opened on schedule, the new facility is the first phase of Virgin Atlantic Cargo and Delta Cargo's expansion programme to double cargo handling capacity at Heathrow to meet

both airlines' projected growth.

Compared to Virgin Atlantic Cargo and Delta Cargo's former export operation at the airport, the new dnata City East facility offers significant new features, including, an ex-

high-rise racking with 1,350 positions for storing export freight, eliminating unnecessary movements of shipments, a dedicated Pharma Zone and increased capacity for temperature-controlled and perishables cargoes, live animals, and dangerous goods facilities, new x-ray technology with enhanced imaging capability, reducing the need for secondary cargo screening and advanced internal and external high-definition CCTV systems to ensure a safe and secure working environment.

"These world-class expanded facilities position us for success in this important market."

Rafael Figueroa, Managing Director - Operations and Customer Experience, Delta Cargo

panded ETV (Elevated Transfer Vehicle), capable of full automation, with 245 pallet positions, up 20%, which enables the loading of flights in 'trim order' to support the airlines' on-time performance. Also featured are

Continued on page 3

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A large commercial airplane is shown from a low angle, flying directly towards the viewer over a runway. The sky is a vibrant mix of orange, yellow, and blue, suggesting a sunset or sunrise. The runway is dark asphalt with white dashed lines, receding into the distance.

WHAT SETS US APART

CURRENT AIRCRAFT IN DISASSEMBLY:

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“These world-class expanded facilities position us for success in this important market,” said Rafael Figueroa, Delta Cargo’s Managing Director – Operations and Customer Experience. “The technology enhancements and the transparency across the export operation, with increased temperature-controlled facilities, are designed to make it easier for our customers to work with both airlines.

The new facility also features the Gatehouse concept, meaning drivers arriving at the facility no longer need to leave their vehicles to complete documentation processes and are then immediately assigned to a cargo door to offload their freight. Drivers also receive text message updates to help expedite cargo deliveries. Real-time acceptance using the operation’s door management system and hand-held technology also provides instant freight status update messages for customers to confirm their cargo is being handled and flown as planned. Screens inside the facility, linked directly to the airlines’ operations control centres, enable flight monitoring and the management of service level agreements.

Tania Boyes, Director - Cargo Operations at Virgin Atlantic, said: “We now have an export operation at our main U.K. hub which is designed around



The new Virgin and Delta Cargo export facility at Heathrow

Photo: Virgin Cargo

the current and future needs of our business, and which will further improve customer experience. By embracing new technology and ways of working, the building gives us the capacity to grow efficiently as we enter the next exciting phase of expansion for Virgin Atlantic. We especially wish to thank dnata, our cargo handling partner, for enabling us to create this outstanding new facility and for making the move from our former export operation so seamless.”

AIRCRAFT & ENGINE NEWS

Embraer and Ufes conduct first autonomous aircraft test in Brazil

A scientific and technological cooperation between Embraer and the Universidade Federal do Espírito Santo (Ufes), in the areas of autonomous robotics and artificial intelligence has resulted in the first test of an autonomous aircraft in Brazil. The successful initiative made it possible for a prototype to perform the taxiing operation on its own, moving along a previously established path without human interference. The sensor and image navigation set led the autonomous systems technology demonstration aircraft through the runway, taxi area and patio independently, without outside assistance. A pilot followed the cockpit operation in case of any interference. The test took place in the last week of August, at the Embraer unit in Gavião Peixoto, in São Paulo state. For the past six months, researchers from Embraer and Ufes have worked

Orders and deliveries – Boeing and Airbus

Airbus v Boeing: Orders and Deliveries

September 2019 YTD

Airbus			Boeing		
Type	Orders	Deliveries	Type	Orders	Deliveries
A220	-12	33	737	-184	118
A320 Family	134	422	747	0	5
A330	17	34	767	26	32
A350	19	77	777	36	34
A380	-31	5	787	38	113
Total	127	571	Total	-84	302

Source: Airbus

Source: Boeing

In September, Boeing generated 25 orders, predominantly for the non-commercial sector. Air New Zealand was the only commercial customer signing up for eight 787-10s. Airbus logged orders for 41 jetliners from its wide-body and single-aisle product lines in September, while delivering 71 aircraft during a month of activity that surpassed the 9,000th overall delivery milestone for the A320 Family.

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AIRCRAFT & ENGINE NEWS

together on mathematical and computational models of automation, software development, hardware, laser sensor kit, GPS and cameras, as well as systems integration into the aeronautical platform. The autonomous land navigation system was tested in a simulator during preliminary assessments prior to actual operation. The integrated artificial intelligence system monitored the aircraft's external and internal conditions, which acts independently on the acceleration, steering and braking commands, and accurately performed the movement along the indicated path. The test aircraft platform – the same one used for the development of the modern Legacy 500 and Praetor 600 executive jets – integrated features of the Intelligent Autonomous Robotic Automobile (IARA) system, result of an autonomous cars' research that began in 2009 at the Ufes High Performance Computing Laboratory (LCAD).

Aergo Capital sells five aircraft from managed portfolio

Aergo Capital has announced the sale of five aircraft from its managed portfolio. In the second and third-quarter 2019, the Irish based lessor concluded the sale of two 2014 vintage ATR 72-600 aircraft, on lease to Malindo Air, to Chorus Aviation Capital; one 2004 vintage ATR 72-500, subject to lease with AfriJet Business Service, to an affiliate of AfriJet Business Service; one 2006 vintage ATR 42-500, to AfriJet Business Service, an existing lessee of the company; and one 2004 Vintage A320-200 to Aero Capital Solutions, subject to operating lease with Smartlynx Airlines. The aircraft were part of Aergo Capital's managed ABS vehicle METAL 2017-1.

More trouble for 737 family as 13 NG jets grounded after compulsory inspections

Following an airworthiness directive (AD) issued by the Federal Aviation Authority (FAA) on October 2 and effective from October 3 demanding carriers inspect 737 NG aircraft which have accumulated 30,000 or more flight cycles within a seven-day period, 13 of the jets have now been grounded. These include two operated by Southwest Airlines and 11 by Brazil's Gol Linhas Aereas. The directive also ordered carriers to inspect all 737 NGs within the next 1,000 flight cycles if they have already accumulated between 22,600 and 29,999 cycles, with all inspections subsequently to be reported to the FAA. In all, 1,911 of a total 1,930 of the current fleet of 737 NGs will require inspection at some point. The directive was issued as a result of cracking found in the pickle fork which connects the wing to the fuse-

Chorus Aviation adds two ATR 72-600s to portfolio, on lease to Malindo Air



ATR 72-600 Malindo Air

Photo: AirTeamImages

Chorus Aviation Capital (CAC) has acquired two ATR72-600 aircraft (MSNs 1147, 1154) on lease to Malindo Air, a Malaysian operator forming part of the Lion Air Group. Earlier this year, CAC also delivered two new ATR 72-600 aircraft (MSNs 1577 and 1579) for lease to Malindo Air, bringing the total number of aircraft leased by CAC to the Lion Air Group to five. With these acquisitions, Chorus Aviation Capital has announced 58 commitments to date for its regional aircraft leasing business.

Air Lease Corporation signs lease agreement with MIAT Mongolian Airlines



Mongolian Airlines

Photo: AirTeamImages

Air Lease Corporation has signed a long-term lease agreement with MIAT Mongolian Airlines for one new Boeing 787-9 aircraft. This aircraft, scheduled to deliver to the airline in Spring 2021 from ALC's order book with Boeing, will be the first 787-9 to operate in Mongolia as well as the first Dreamliner in MIAT Mongolian Airlines' fleet. MIAT Mongolian Airlines currently operates two Boeing 737 MAX 8 aircraft and one 737-800 aircraft on lease from ALC.

lage of the aircraft. The inspections involve looking for "cracking of the left- and right-hand side outboard chords of frame fittings and failsafe straps." The directive was immediately issued by the FAA after being notified by Boeing that while undergoing passenger-to-freighter conversion in China, this specific fault had been identified in

a number of aircraft which had completed between 35,600 and 73,300 flight cycles. It is understood that light cracking might be found in an aircraft which has completed approximately 90,000 flight cycles and reached the end of its lifespan, but cracking after so few flight cycles was unusual.

JetSMART takes delivery of first Airbus A320neo



JetSmart takes delivery of first A320neo powered by P&W GTF™ engines

Photo: Airbus

JetSMART has taken delivery of its first Airbus A320neo aircraft, leased through SMBC Aviation Capital and powered by Pratt & Whitney GTF™ engines. JetSMART, which was founded by global private investment fund Indigo Partners, selected the GTF engine to power its order of 85 A320neo-family aircraft in June 2019. Pratt & Whitney will also provide JetSMART with engine maintenance through a long-term EngineWise® Comprehensive service agreement. The airline currently operates a fleet of 11 A320ceo-family aircraft powered by the V2500® engine.

Air Astana presents first Airbus A321LR aircraft

Air Astana, Kazakhstan's leading carrier, has unveiled its first Airbus A321 Long Range (LR) aircraft on October 9. The airline is the first operator of the aircraft in the CIS and is scheduled to take a further six Airbus A321LR aircraft on lease from global aircraft leasing company AerCap. The new aircraft will gradually replace its fleet of Boeing 757s, which have been in operation since 2003. Air Astana now has 19 Airbus aircraft in its fleet, including eight A320s, four A321s, three A320neos, three A321neos and one A321LR. The average age of Air Astana's fleet is now 7.1 years, one of the lowest in the industry. The A321LR is equipped with the latest-generation Pratt & Whitney engines.



Photo: Air Astana presents first A321LR aircraft

ATR launches short take-off and landing 42-600S



Photo: ATR 42-600S

Regional aircraft manufacturer ATR has received authorization from its board of directors for the launch of the ATR 42-600S. With the 'S' representing STOL (Short Take-Off and Landing), this new version of the ATR 42-600 offers take-off and landing capabilities on runways as short as 800m, with 40 passengers on board in standard flight conditions (*). To-date, ATR has recorded 20 commitments from operators and lessors for this ATR 42-600S variant. This includes Elix Aviation Capital as the launch lessor and Air Tahiti as the launch operator, as announced at the Paris Air Show 2019. The 42-

600S is a brand-new addition to the company's aircraft family, alongside the founding members ATR 42-600 and ATR 72-600, and the forthcoming ATR 72-600F cargo variant. The ATR 42-600S' certification, is expected for the second half of 2022, with the first delivery expected immediately after. The principal modifications for the 42-600S will concern the introduction of a larger rudder, which allows increased control of the aircraft at lower speeds. The new version will continue to use the same engine as both the ATR 42 and 72. The ATR 42-600S will, however, allow pilots to select between the ATR 42 and 72 engine ratings, meaning the aircraft can use increased power for performing STOL operations, or elect to operate more efficiently with less power on longer runways. The ATR 42-600S will also be able to symmetrically deploy its spoilers to improve braking efficiency on landing. It will also come with an autobrake system which will ensure that the full braking power occurs immediately upon landing. (*15°C airfield temperature, sea level, dry paved runway and a route of 200NM.)

Porsche and Boeing sign MoU to explore premium urban air mobility market



Porsche and Boeing to partner on premium urban air mobility market

Photo: Boeing

Porsche and Boeing have signed a Memorandum of Understanding to explore the premium urban air mobility market and the extension of urban traffic into airspace. With this partnership, both companies will leverage their unique market strengths and insights to study the future of premium personal urban air mobility vehicles. "Porsche is looking to enhance its scope as a sports car manufacturer by becoming a leading brand for premium mobility. In the longer term, this could mean moving into the third dimension of travel," says Detlev von Platen, Member of the Executive Board for Sales and Marketing at Porsche AG. "We are combining the strengths of two leading global companies to address a potential key market segment of the future." As part of the partnership, the companies will create an international team to address various aspects of urban air mobility, including analysis of the market potential for premium vehicles and possible use cases. Boeing, Porsche and Boeing subsidiary Aurora Flight Sciences are also developing a concept for a fully electric vertical takeoff and landing vehicle. Engineers from both companies, as well as Porsche subsidiaries Porsche Engineering Services GmbH and Studio F.A. Porsche, will implement and test a prototype.

CDB Aviation delivers first of nine A321neos to IndiGo



IndiGo takes delivery of the 1000th A320neo Family aircraft, an A321neo

Photo: Airbus

CDB Aviation, a wholly owned Irish subsidiary of China Development Bank Financial Leasing (CDB Leasing), has delivered the first of a fleet of nine Airbus A321neo aircraft to Indian carrier IndiGo, as part of a purchase-and-leaseback transaction. The A321neo, produced in Hamburg, Germany, marks Airbus' 1,000th A320neo Family aircraft delivery, signifying a historic milestone for its best-selling single-aisle fleet. As IndiGo continues to increase connectivity across its network, the A321neo aircraft, equipped with the Pratt & Whitney PW1133G turbofan engines and configured with a 222-seat layout, are expected to generate lower operating costs, while availing the carrier of the advantages of reduced environmental impact and enhanced passenger experience. CDB Aviation anticipates the remaining eight aircraft to be handed over by the end of January 2020.

MRO & PRODUCTION NEWS

Joramco first MRO in MENA region to obtain EN 9110:2018 certification

Joramco, the Amman-based MRO and the engineering arm of Dubai Aerospace Enterprise (DAE), has obtained EN 9110 certification. Joramco is the first independent MRO in the MENA region to receive the EN 9110:2018 certification and becomes part of an elite group of MROs certified to this standard. An MRO in compliance with the EN9110 standard demonstrates that it can meet the requirements of its customers and any applicable regulatory bodies through the documented implementation of a QMS that specifically addresses the needs of the industry. With more than 50 years of experience, Joramco has built a sound track record as a leading commercial aircraft maintenance, repair and overhaul (MRO) facility serving a wide range of customers in the Middle East, Europe, South Asia, Africa, Russia and CIS countries, offering services on several aircraft models from the Airbus, Boeing, and Embraer fleets.

FAA approves AerTrak for Boeing 777-200 series aircraft

The Federal Aviation Administration (FAA) has issued Supplemental Type Certificate (STC) No. ST04184NY for installation of AerSale®'s AerTrak® system on Boeing 777-200 series aircraft to comply with the Automatic Dependent Surveillance-Broadcast (ADS-B) Operations rule, a critical part of the agency's Next Generation Air Transportation System (NextGen). Beginning January 1, 2020, the FAA has mandated that aircraft operating in airspace defined by 14 CFR § 91.225 must be equipped with an ADS-B Out system that meets the minimum performance requirements of 14 CFR § 91.227. The FAA previously approved AerTrak for Boeing 737 Classic and NG series aircraft (ST04009NY) and Boeing 757-200 series aircraft (ST04011NY).

AAR expands component repair services with BAE Systems

AAR, a leading provider of aviation services to commercial airlines and governments worldwide, has expanded its component repair and overhaul services with BAE Systems Regional Aircraft to include a wider range of components for its regional jet support programs. AAR began executing on the component repair contract in January 2019, and following strong operational performance, signed a service expansion agreement in September to cover additional components. The scope of services focuses on BAE Systems' out-of-production regional aircraft, utilizing AAR's proven expertise in legacy plat-

Lufthansa Technik Malta starts technical services on Airbus A350



Lufthansa Technik Malta

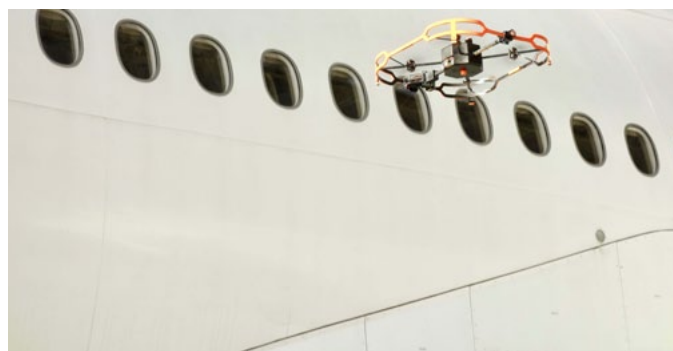
Photo: LHT

Lufthansa Technik Malta has undertaken thorough preparations in infrastructure investment and staff qualification to be able to carry out overhaul work on the A350 family. The German Federal Aviation Office (LBA) certification for the A350-1000 was achieved in August 2019. This certification complements the approval for overhaul work on the Airbus A350-900, attained in 2018.

Lufthansa Technik Malta has started to carry out technical services on the Airbus A350. A first aircraft, an Airbus A350-1000 from an undisclosed customer, received a cabin modification in September. The first A350-900 is expected to arrive in the next weeks for a C-check. So far, three international carriers, among them Air Mauritius, have signed MRO (maintenance, repair & overhaul) contracts for the A350 family with Luf-

AAR launches Donecle drone technology integration for MRO aircraft inspections

AAR has announced the integration of Donecle drone technology into its maintenance, repair and overhaul (MRO) operations. AAR's Miami MRO facility is the first in its global network to use the fully automated drone technology to drive operational and cost



Donecle drone inspection

Photo: AAR

efficiencies, where the pilot phase has yielded increases in speed and precision. With laser positioning, the drone can safely perform end-to-end visual inspections of B737 and A320 aircraft in under an hour. AAR and Donecle have partnered on an initial 12-month technology agreement, and upon further assessment and results, will expand the platform to other MRO facilities. In compliance with Federal Aviation Administration (FAA) requirements, AAR performs manual aircraft inspections in addition to the drone inspections.

form component repair. The services for the BAE Systems agreement are performed out of AAR's component repair facility in Amsterdam.

Ethiopian Airlines signs repair management contract with AJW Group

AJW Group has extended its long-term relationship with Ethiopian Airlines with a contract for the maintenance and repair of parts. The contract will be carried out in collaboration with Ethiopian Airlines for the delivery of their

B737NG Component MRO services and will include repairs at AJW Technique, AJW Group's maintenance facility in Montreal. Ethiopian Airlines is the flag carrier of Ethiopia and is wholly owned by the Ethiopian government. Its headquarters are at Bole International Airport in Addis Ababa from which it serves a network of 125 destinations and operates a fleet of 120 aircraft. The airline has been a long-term customer of AJW's trading business, parts sales and support services, and this new partnership marks an extension to the current offering.

Jet Aviation opens new Teterboro hangar and renovated FBO



Jet Aviation ribbon-cutting ceremony in Teterboro, NJ

Photo: Jet Aviation

Jet Aviation has officially opened its new 40,000 ft² hangar and completely renovated FBO in Teterboro, NJ. Built to meet growing demand for long-range business jets, the new hangar can accommodate most large aircraft. The construction is part of Jet Aviation's efforts to expand and improve its global FBO network of 35 locations. The company is investing heavily to ensure its facilities are designed and equipped to meet all the business aviation needs of its global customers. Jet Aviation invested more than US\$25 million in its Teterboro facility, including a complete renovation of its FBO and construction of a new state-of-the-art, 40,000 ft² hangar — equipped with 30-foot doors — that can accommodate aircraft as large as the Gulfstream 650s. The FBO incorporates new standard design elements that will ensure customers have a consistent experience when visiting any of the company's sites worldwide. Guests and crew can relax and enjoy the site's many amenities, including dedicated passenger and crew lounges, flight planning room, executive conference rooms, business center, health/fitness spa and on-site U.S. customs services.

Leonardo and Olmedo join forces for development of first medical aid of the future

Leonardo and Olmedo - a leading European company for the transformation and preparation of vehicles for healthcare use - have announced the signing of a collaboration agreement aimed at the development of technologies and equipment for rotary-wing and motor vehicles globally that conduct rescue missions. The aim of the agreement is to improve the times and effectiveness of emergency medical interventions carried out in a joint mode through the use of helicopters and ambulances in a seamless environment. The agreement between Leonardo and Olmedo sees a collaborative approach that will prioritize the creation of an R&D structure comprising of a joint research team. The research team will consider the development and prototyping of new components and universal solutions which will be designed for contemporary and specialist use on both helicopters and ambulances. In addition to data-sharing platforms which will enable the real-time interface of the patient's vital signs during a rescue mission: from the place of intervention to the hospital and during transfers. The project will create important synergies – thanks to Leonardo's historical expertise in the field of air ambulance development (EMS – Emergency Medical Services) and in relation to helicopters for Search and Rescue (SAR) missions in the global and maritime environment, and thanks to the experience of the medical "Ambulance Division" of the Olmedo Group, a leader in the sector since 1951.



AW 101 Multi-Role Helicopter

Photo: Leonardo

Airbase wins contract to manufacture seat covers for Acro

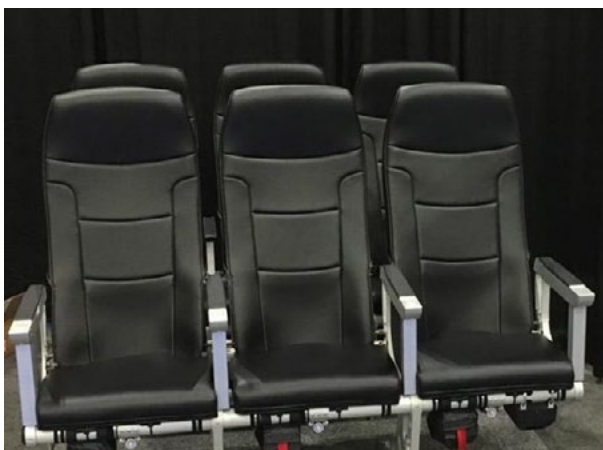


Photo: Airbase to manufacture Ultra-Leather™ seat covers for Acro

Airbase, part of Trenchard Aviation Group, has won the contract to manufacture Ultra-Leather™ seat covers for Acro, a leading innovator in aircraft seating. This contract has resulted from Acro's commission to provide new seats for Spirit Airlines, an American ultra-low-cost carrier headquartered in Miramar, Florida. Spirit Airlines is the seventh-largest commercial airline in the United States, operating scheduled flights throughout the United States and in the Caribbean, Mexico, Latin America, and South America. Airbase, located close to London Gatwick Airport, has over 20 years' experience of managing aircraft cabin interiors, including soft furnishings, carpets and dry cleaning. With its own cut and sew facilities on-site, the company's expertise covers the manufacture of all types of seat covers and curtains as well as flight deck seat covers, fire containment sacks and other cabin bags and warning streamers.

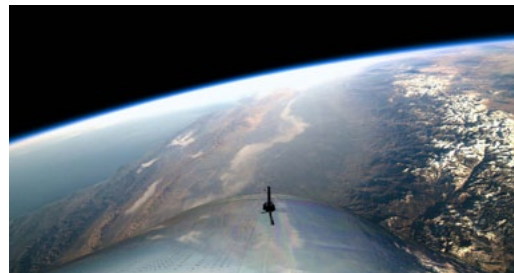
FINANCIAL NEWS

Astronics acquires Diagnosys Test Systems

Astronics Corporation, a leading provider of advanced technologies for the global aerospace, defense, and other mission-critical industries, has acquired the primary operating subsidiaries from mass transit and defense market test solution provider, Diagnosys Test Systems Limited (Diagnosys). Diagnosys is a developer and manufacturer of comprehensive automated test equipment (ATE) providing test, support, and repair of high-value electronics, electro-mechanical, pneumatic and printed circuit boards focused on the global mass transit and defense markets. Astronics has acquired 100% of the equity of the three primary operating subsidiaries of Diagnosys, which are Diagnosys Holdings, Inc., Diagnosys Ferndown Limited and Diagnosys Electronics (I) Private Limited, for US\$7 million in cash. The terms of the acquisition allow for a potential earn-out of up to an additional US\$13 million over the next three years based on achievement of new order levels of over US\$70 million during that period.

Boeing to invest in Virgin Galactic

Boeing is investing US\$20 million in Virgin Galactic. The companies will work together to broaden commercial space access and transform global travel technologies. To date, Virgin Galactic has invested US\$1 billion of capital to build reusable human spaceflight systems designed to enable significantly more people to experience and utilize space. In July, the company announced its intent to become a publicly listed entity via a business combination with Social Capital Hedosophia Holdings Corp. The Boeing investment will be in return for new shares in Virgin Galactic and is therefore contingent on the closing of that transaction, which is expected to close in the fourth quarter of 2019, and any such investment will be in the post-business combination company. This investment brings together two companies with extensive experience in the space industry. Virgin Galactic is a pioneer of commercial human space flight and is the first and only company to have put humans into space in a vehicle built for commercial service, having built and flown a Mach 3 passenger vehicle. Through its manufacturing and development capabilities, Virgin Galactic can design, build, test, and operate a fleet of advanced aerospace vehicles. Boeing has unsurpassed experience transporting people to orbit and building and operating large structures in that challenging environment. A part of every U.S. manned space program, Boeing serves as NASA's prime contractor for the International Space Station (ISS) and is preparing the new, reusable, Starliner space capsule for launch to the ISS.



Virgin Galactic's first spaceflight on December 13, 2018
Photo: Boeing

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MILITARY AND DEFENCE

First Royal Canadian Air Force's Airbus C295 rolls out of the paint shop



The first Airbus C295 for the Canadian Air Force in its distinctive Search and Rescue colors

Photo: Airbus

16 C295 aircraft and all In-Service Support elements including, training and engineering services, the construction of a new Training Centre in Comox, British Columbia, and maintenance and support services. The aircraft will be based where search and rescue squadrons are currently located: Comox, British Columbia; Winnipeg, Manitoba; Trenton, Ontario; and Greenwood, Nova Scotia.

The first Airbus C295, purchased by the Government of Canada for the Royal Canadian Air Force's (RCAF) Fixed Wing Search and Rescue Aircraft Replacement (FWSAR) program, has rolled out of the paint shop showing off its final livery at Airbus facility in Seville, Spain. The aircraft will now go through the final preparation phase before its delivery to the customer, planned to take place in Spain before the end of the year. The aircraft adopts the yellow paint scheme following the tradition defined in the 1970s for Search and Rescue aircraft, giving high visibility for those in the air and on the ground. The contract, awarded in December 2016, includes

INFORMATION TECHNOLOGY

Airbus CyberSecurity and **Thales**, two European leaders in cybersecurity, have signed a partnership agreement to offer a unique solution against cyber-attacks. The solution will combine the file analysis system Orion Malware from Airbus CyberSecurity with Thales's intrusion detection system Cybels Sensor, which obtained Security Visa from the French national cybersecurity agency (ANSSI) in April 2019. This cooperation will enable the two companies to offer the best detection solution, increasing the overall level of cyber defense for businesses and organizations. The partnership for the French market aims to help operators of essential services (OESs) reinforce cyber protection measures required by ANSSI with the Military Programming Law (LPM) -which is similar to the European Network and Information Systems (NIS) directive.

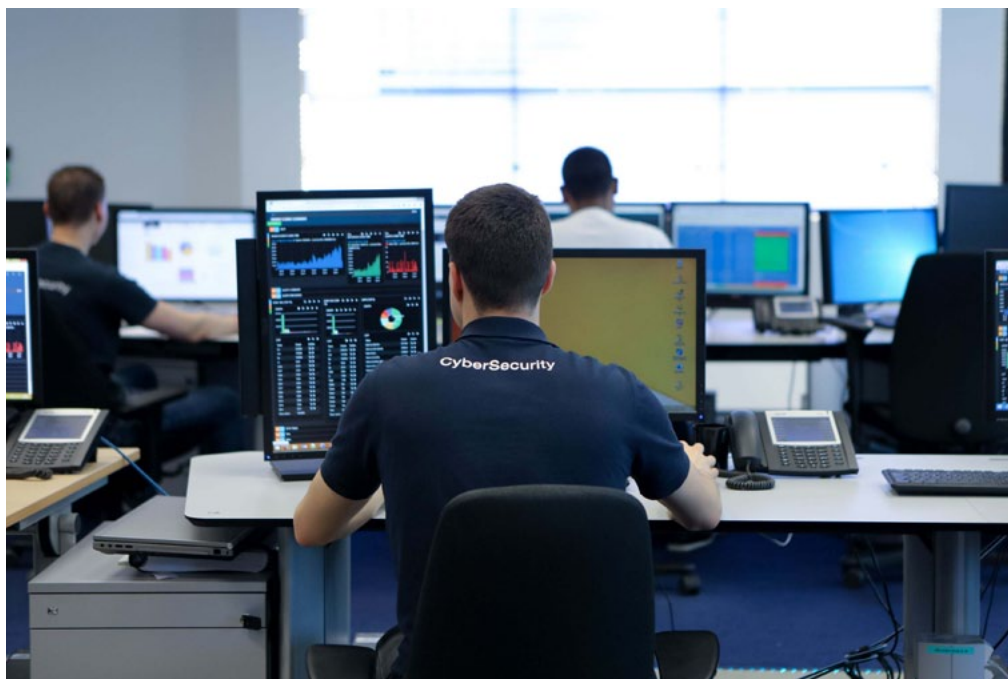


Photo: Airbus CyberSecurity

PASSENGER STATISTICS - SEPTEMBER

- **Norwegian** carried 3,310,424 passengers in September. The unit revenue increased for the sixth consecutive month and was up by 6%, compared to the same month the previous year. The total traffic increased 2%, while capacity growth was 1% and the load factor increased by 1.1 percentage point to 90%.
- **SAS** has reported an increase of 3% in the number of passengers compared to the same period last year. Unit revenues increased by 4.4% and passenger yield increased 5.4%, which affirms the positive trend seen during the year. Total traffic increased by 1.0%, while capacity increased 1.5% compared to September 2018. The load factor for September dropped slightly by 0.4 points to 78.7%.
- **International Airlines Group** (IAG) traffic in September increased by 0.8% versus the same period in September 2018 and capacity was flat versus the same period last year. The passenger load factor for September increased 0.7 points to 85.3% compared to the previous year.
- **Delta Air Lines** has reported operating performance for September 2019. The company carried 16.5 million customers across its broad global network, a record for the month of September and an all-time quarterly record of 55.2 million customers flown. Total traffic for September increased 6.8% and capacity was up 4.7%. Total load factor for the month increased 1.7 points to 85.3% compared to the previous year.
- **Hawaiian Airlines** has posted its system-wide traffic statistics for September 2019. Hawaiian welcomed more than 931,000 guests in September 2019. Total traffic increased 3.0% on an increase of 0.7% in capacity compared to September 2018. Load factor increased 1.9 points to 85.5%.
- In September, **Finnair** carried 1,279,700 passengers, 10.4% more than in the corresponding period of 2018. The overall capacity increased in September by 8.5%. Finnair's traffic increased by 9.8%, and the Passenger Load Factor increased year-on-year by 0.9% points to 81.7%.
- **Air France KLM Group** (Air France, KLM and Transavia) has reported that the number of passengers increased 2.2% in September, while Group traffic increased 3.1%, when compared to September 2018. Group capacity increased 2.4% and the load factor was up 0.6 points to 89.2%.

OTHER NEWS

Air Partner, the global aviation services group, has released that its Air Evacuation division has entered into a strategic partnership with **Northcott Global Solutions** (NGS), the international emergency response company. Under the terms of the partnership, Air Partner will become the preferred emergency air charter supplier to NGS's extensive customer base. The agreement will also enable Air Partner to leverage NGS's capabilities in medical provision, ground and maritime security, armed protection, and traveler tracking and intelligence to its own existing customers. Air Partner's Air Evacuation department provides 24-hour air evacuation planning and implementation services from anywhere in the world, giving customers priority access to the thousands of aircraft on the company's books. This includes flying people out of dangerous situations, transporting support teams to the site of a disaster or the last-minute movement of critical equipment. For instance, the company regularly evacuates customers out of hurricane situations and, during the Arab Spring in 2011, the Air Evacuation team worked around the clock to evacuate more than 12,000 people from across the Middle East. NGS specializes in travel management, tracking, remote medical, security and logistics. It provides strategic and operational expertise to help minimize risk to personnel, assets and reputation, while offering business continuity and enablement solutions to increase the safety of people around the world. NGS was founded in 2010 and has worked with numerous blue-chip companies across a range of sec-



United Boeing 737 taking off

Photo: United Airlines

United Airlines has launched "Aviate", its new pilot recruitment program and career website, offering aspiring and established pilots more opportunities and the fastest paths to achieving their dreams and becoming a United First Officer and, ultimately, Captain. The program's signature, structured career pathways offer pilots at all stages of their journey – from college training to regional airline flying – the most direct path to flying for United, as well as the quickest progression from college to the rank of first officer of any major airline program in the industry. Due to retirements, attrition and projected growth, the company anticipates hiring more than 10,000 pilots by 2029. "With nearly half of our 12,500 pilots retiring in the next decade, combined with a period of strong growth at our airline, United is uniquely positioned to offer pilots the opportunity to get where they want to go in their careers faster than ever," said Bryan Quigley, United's senior vice president of flight operations and chief pilot. "With the most comprehensive global route network in the industry, and the most wide-bodies of any North American airline, United offers unparalleled opportunity for an exceptional and exciting career as we begin to welcome hundreds of new pilots every year."

OTHER NEWS

tors, as well as the U.K. and U.S. military, fire service, NGOs and government organizations.

Finnair is adding capacity to Japan with daily flights to **Tokyo's Haneda Airport** as of the start of the 2020 summer season, subject to slot availability. The new frequencies to and from Haneda will be in addition to Finnair's daily flights to Tokyo's Narita Airport. Haneda Airport is conveniently located in the city center of Tokyo. The new flights from Haneda will be codeshare flights with Finnair's long-term partner, Japan Airlines, which has a wide network of connecting flights from Haneda onwards to other destinations in Japan. The planned schedule for Finnair's flight from Haneda is at night-time which complements Finnair's morning flights from Narita, offering more options and flexibility to passengers. The exact timetable is subject to slot approvals.

Fourteen days after **Thomas Cook Group** was declared bankrupt, leaving over 140,000 holidaymakers stranded abroad, the **U.K.s Civil Aviation Authority** announced on Monday, October 7, that a flight from Orlando, Florida, carrying 392 passengers and which landed at Manchester Airport at 8.31 a.m. local time, marked the completion of two-week-long Operation Matterhorn. Involving 150 aircraft from 50 worldwide partners, this was the largest repatriation exercise since the evacuation of the beaches at Dunkirk during World War II. This achievement "required an extraordinary effort from all involved," CAA chief executive Richard Moriarty said in a statement. He also paid tribute "to the many amazing former Thomas Cook employees" who helped to make the operation successful. "It needed an unprecedented team effort from our commercial partners, our friends across government and my colleagues at the CAA," he added.

The **Southwest Airlines Pilots Association** (SWAPA), representing approximately 10,000

The **International Air Transport Association** (IATA) has released global air freight market data for August, revealing that there has been a further retraction for the tenth consecutive month of year-on-year decline, something not witnessed since the 2008 financial crisis.

Freight ton kilometres (FTKs) dropped 3.9% for the month, available freight ton kilometres (AFTKs) rose 2% year-on-year and capacity growth outstripped demand growth for the 16th consecutive month, though global trade volumes are 1% down. According to IATA's release: "Global export orders continue to fall. The global Purchasing Managers Index (PMI) remains in contraction territory. Its tracking of new manufacturing export orders has pointed to falling orders since September 2018. And for the second month in a row, all major trading nations reported falling orders." Commenting on the August results, Alexandre de Juniac, IATA Director General and CEO said: "The impact of the US-China trade war on air freight volumes was the clearest yet in August. Year-on-year demand fell by 3.9%. Not since the global financial crisis in 2008 has demand fallen for 10 consecutive months. This is deeply concerning. And with no signs of a détente on trade, we can expect the tough business environment for air cargo to continue. Trade generates prosperity. Trade wars don't. That's something governments should not forget." **Asia-Pacific airlines** saw demand for air freight contract by 5% compared to August 2018. The US-China trade war, the slowdown in the Chinese economy, the temporary shutdown of Hong Kong International Airport combined have had a massive impact on global figures with the region accounting for more than 35% of total FTKs. Air freight capacity increased by 2.3% over the past year. **North American airlines** saw demand decrease by 2.4% in August 2019, compared to the same period a year earlier. Capacity increased by 1.3%. Freight demand has contracted for the largest routes between Asia and North America, where seasonally adjusted volumes are down almost 5% compared to their level in July 2018. **European airlines** posted a 3.3% decrease in freight demand in August 2019 compared to the same period a year earlier. Capacity increased by 3.3% year-on-year. **Middle Eastern airlines'** freight volumes decreased 6.7% in August compared to the year-ago period. This was the sharpest drop in freight demand of any region. Capacity decreased by 0.8%. **Latin American airlines** experienced an increase in freight demand in August 2019 of 0.1% compared to the same period last year and a capacity decrease of 2.9%. **African carriers** posted the fastest growth of any region in August 2019, with an increase in demand of 8% compared to August 2018. Capacity grew 17.1% year-on-year.



Air Cargo

Photo: IATA

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OTHER NEWS

Southwest Airlines' pilots, has filed a lawsuit against Boeing Co alleging that the grounding of the 737 MAX has cost its pilots over US\$100 million in lost wages. In a statement, SWAPA said the lawsuit states that its pilots had agreed to fly 737 MAX jets based on Boeing's representations they were airworthy and similar to previous, "time-tested" 737 models they had been flying for many years, adding: "These representations were false." Chaz Bickers, a Boeing spokesman, commented that: "While we value our long relationship with SWAPA, we believe this lawsuit is meritless and will vigorously defend against it." Southwest Airlines has a current fleet of 34 of the grounded 737 MAX jets and has a further 41 on order. The consequence has seen the airline cancel up to 100 flights per day and reduce flying hours for pilots. "It is critical that Boeing takes whatever time is necessary to safely return the MAX to service," said SWAPA president, Captain Jon Weak. He added that pilots "should not be expected to take a significant and ever-expanding financial loss as a result of Boeing's negligence." SWAPA has estimated that the 737 MAX grounding has seen more than 30,000 scheduled Southwest flights cancelled, which will result in the carrier's passenger service reduced by 8% by the end of 2019. Southwest pilots are not the only ones looking for compensation for lost flying hours as American Airlines Group pilots have also demanded compensation from Boeing, though as yet have not filed any lawsuit.

INDUSTRY PEOPLE



Meredith Frazier

• HAECO Cabin Solutions, a division of HAECO Americas headquartered in Greensboro, North Carolina, USA, has expanded its Organization Designation Authorization (ODA) team. The team has welcomed **Meredith Frazier**, who is qualified to work as a cabin safety ODA unit member. This designation allows her to review and approve drawings of parts and/or part alterations to witness tests, among other duties, ensuring all interior products on commercial aircraft comply with FAA standards.

• **Everette Mash** has joined C&L Aerospace



Everett Mash

as Senior Vice President, Aircraft Sales, focusing on expanding business in the regional aircraft sales and brokering division. Before joining C&L, Mash headed Twin Otter Holdings, LLC. for 13 years where he purchased, refurbished, sold, and leased Twin Otter aircraft worldwide. He also previously worked at Jet Aviation as Director of Aircraft Sales and Embraer as the Director of preowned aircraft sales handling all the preowned trade in aircraft for the new ERJ145 family of regional jet aircraft.



Peter Vasconcelos

• Gulfstream Aerospace has appointed **Peter Vasconcelos**, an industry veteran, to Regional Senior Vice President of Sales for the northeastern U.S. and eastern Canada. He is based at Gulfstream's Manhattan Sales and Design Center and reports to **Scott Neal**, Gulfstream's Senior Vice President, Worldwide Sales. Vasconcelos comes to Gulfstream with more than 20 years of aircraft sales and sales leadership experience with a business-aircraft original equipment manufacturer.

Recommended Events



+44 (0) 1342 324353
+44 (0) 7941 969401
everest@everestevents.co.uk

Aircraft Economic Life Summit

November 18, 2019 – Gibson Hotel, Dublin, Ireland

[Click here for more aviation events](#)

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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	Q3/2020	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A319-111	DVB Bank	CFM56-5B5/P	2870	2006	Q4/2019	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A320-200	ORIX Aviation	V2527-A5	1509	2001	Q4/2020	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	ORIX Aviation	CFM56-5B4/P	2584	2005	Q1/2021	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	TrueAero Asset Management	V2527E-A5	5794		Nov 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5531		Oct 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5296		Aug 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5089		Jun 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5050		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-232	DVB Bank	V2527-A5	2156	2005	Q1/2020	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A330-200	DVB Bank	CF6-80E	814	2007	Q2/2020	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A330-200	GA Telesis	CF6-80E1A4	507	2002	Now	Sale	Kevin Ford	aircraft@gatelesis.com	+1-954-676-3111
A330-200	GA Telesis	CF6-80E1A4	510	2002	Now	Sale	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A330-200	TrueAero Asset Management	CF6-80E1A4/B	882		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-200	TrueAero Asset Management	CF6-80E1A4/B	901		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-200	TrueAero Asset Management	CF6-80E1A4/B	932		May 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-300	BBAM	Trent 772B-60	1544	2014	Jul 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A330-300	BBAM	Trent 772B-60	1562	2014	Sep 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A330-300	DVB Bank	Trent 772B-60	1485	2014	Q1/2020	Sale / Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A330-300	DVB Bank	Trent 772B-60	1146	2010	soon	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
B737-700	Kellstrom Aerospace	CFM56-7B26	28210	1998	Now	Sale	Michael Garcia	info@kellstromaerospace.com	+1 (847) 233-5800
B737-800	DVB Bank	CFM56-7B27	28178	1999	Q4/2019	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
B737-800	ORIX Aviation	CFM56-7B26E	38034	2012	Q4/2020	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	GA Telesis	CFM56-7B	33813	2004	Now	Lease	Priscilla Ang	aircraft@gatelesis.com	+1-954-676-3111
B737-800	GA Telesis	CFM56-7B	33814	2004	Now	Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
B737-800	Willis Lease				soon	Sale / Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
B757-223 (7x)	Jetran	RB211-535E4B	various	91/92	Now	Lease	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
B777-300ER	DVB Bank	GE90-115b	35161	2008	Q3/2019	Sale / Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
(2) B787-800	Willis Lease	CFM56-7			soon	Sale / Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200LR	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10205	2005	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
D0328 Jet	Regional One	PW306B	3185	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
Do328-100	Jetran	PW119B	3049	1996	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
Do328-110	Jetran	PW119B	3024	1994	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
Do328-110	Jetran	PW119B	3034	1995	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
ERJ-170LR	AerFin	CF34-8E	1700155		Now	Sale / Lease	Auvinash Narayan	Auvinash.Narayan@aerfin.com	+44 (0) 7766384581
ERJ-170LR	AerFin	CF34-8E	1700124		Now	Sale / Lease	Auvinash Narayan	Auvinash.Narayan@aerfin.com	+44 (0) 7766384581
ERJ170-100LR	Regional One	CF34-8E5	17000123	2006	Nov 2019	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164

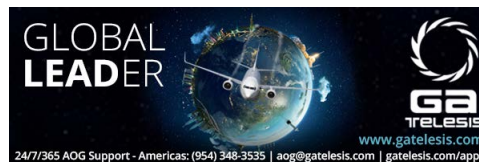
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THE AIRCRAFT AND ENGINE MARKETPLACE

Regional Jet / Turboprop Aircraft (cont.)

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
ERJ-145LR	Regional One	AE3007A1	145304	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
ERJ-145LR	Regional One	AE3007A1	145331	2000	Now	Sale / Lease	Chris Furlan	cfurlan@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
(1) AE3007A1	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
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	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
(1) CF34-3B1	Now - Sale / Lease				
(2) CF34-10E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF34-8E5A1	Now - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(1) CFM34-8C5A1	Oct 2019 - Lease				
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CF34-10E7	Now - Lease				
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) CF6-80C2B6F	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(1) CF6-80C2B1F	Now - Sale / Lease				
(1) CF6-80C2B7F	Now - Sale / Lease				
(1) CF6-80C2B1F	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CFM56-5B	Q3/2019 - Sale / Lease	Contrail Aviation	Kevin Milligan	kevin@contrail.com	+1 949-933-0797
(1) CFM56-7B24	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950



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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	Now - Lease	Rolls-Royce & Partners Finance	Charlie Ferguson	charlie.ferguson@rolls-royce.com	+44-(0)7772224895
(3) CFM56-3C1	Nov 2019 - Sale	LCHAerospace	Claudia Pulido	Claudia@lchaerospace.com	+1 (786)457-2117
(1) CFM56-7B22	Now - Lease	CFM Materials	Jimmy Hill	jimmy.hill@cfmmaterials.com	+1 -214-988-6670
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/E	Now - Lease				
(1) CFM56-5B3/3	Now - Lease				
(1) CFM56-5B3/P	Now - Lease				
(1) CFM56-7B27	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(2) CFM56-5B4/P	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
(2) CFM56-7B26/27	Nov 2019 - 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	Oct 2019 - Lease				
JT8D and JT9D Engines	Sale / Lease	Company	Contact	Email	Phone
(1) JT8D-219	Now - Sale / Lease	LCHAerospace	Carlos Miranda	cmiranda@lchaerospace.com	+1 954-644-9617
(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
(2) GE90-115	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
GENx Engines	Sale / Lease	Company	Contact	Email	Phone
(1) GENx1B74/75 Propulsor	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(2) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) LEAP-1A33	Now - Lease				
(1) LEAP1A-32	Now - Lease	Rolls-Royce & Partners Finance	Charlie Ferguson	charlie.ferguson@rolls-royce.com	+44-(0)7772224895
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				
(3) PW123	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(2) PW127F	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(3) PW127M	Now - Sale/Lease/Exch.				
(1) PW120A	Now - Sale / Lease	Regional One	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
(1) PW120	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) PW123E	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(4) PW126	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) PW121	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
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) PW124B	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(2) PW127E/F			Remi Krys	rkrys@logix.aero	+33.6.2079.1039
(4) PW127M					
(1) PW120 / PW121	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610

THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(1) Trent 772B	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) V2533-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
(1) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) V2527-A5	Dec 2019 - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(2) V2527-A5	Now - Sale / Lease				
(2) V2500-A5	Now - Sale / Lease	Contrail Aviation	Kevin Milligan	kevin@contrail.com	+1 949-933-0797
(1) V2533-A5	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
(1) V2527-A5	Now - Lease				

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) A320-200 Landing Gear	Now - Sale/Lease/Exch.	TrueAero, LLC	Matt Parker	mparker@trueaero.com	+1 469-607-6110
A340-300/A330 Landing Gear	Now - Sale/Lease/Exch.				
A340-600 Landing Gear	Now - Sale/Lease/Exch.				
B777-200 Landing Gear	Now - Sale/Lease/Exch.				
Trent 552 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
Trent 892 Inlet Cowls and Fan Cowls	Now - Sale/Lease/Exch.				
CFM56-5B Inlet Cowls and Fan Cowls	Now - Sale/Lease/Exch.				
V2500-A5 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
CF6-80E Trust Reversers, Inlets & Fan Cowls	Now - Sale/Lease/Exch.				
APUs (2) APS2300	Now - Sale/Lease/Exch.				
APUs (2) GTC331-500B, (1) APS3200	Now - Sale/Lease/Exch.				
Neutral CFM56-7B QEC Kit	Q4/2019 - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azures.com	1-954-249-7935
GTC85-98DHF 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) GTC336-150RJ, (2) GTC336-100M,	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					
GTC131-9A (2), GTC131-9B(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	Q3+Q4/2019 - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(1) GTC131-9B	Now - Sale / Lease	DASI	Chris Glascock	Chris.Glascock@dasi.com	+1 954-801-3592
(multiple) APS2300, (1) GTC331-350C	Now - Sale / Lease	AirFin	Nick Filce	Nick.Filce@aerfin.com	+44 7770 618 791
(1) GTC336-300A, (1) GTC131-9A					
(2) GTC131-9A, (1) GTC131-9B, (1) GTC131-9B (MAX),		GA Telesis		apu@gatelesis.com	+1-954-676-3111
(1) GTC331-200ER, (1) GTC331-350, (2) GTC331-500, (1) PW901A					
GTC131-9A, GTC131-9B, GTC331-350C	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
GTC331-500B, GTC331-200/250, APS5000			Rich Lewsley	rlsley@logix.aero	+1 602 517 8210
APS3200, APS2300, GTC85-129H					
(1) APU GTC331-500, (1) APU GTC131-9A	Now - Sale / Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
Engine stands now available	Now - Lease				
ENGINE STANDS: Trent 800, PW4000 112"/V2500		National Aero Stands		support@stands.aero	+1 305-558-8973
/ CFM56/ PW2000 & Bootstrap kits					
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368