

# Weekly Aviation Headline News

## WORLD NEWS

### Lufthansa to launch direct connections to Austin

Lufthansa is further expanding its route network to the USA. From 3 May 2019, the airline will offer its first connections from Frankfurt to Austin (USA). This is Lufthansa's third destination in Texas alongside Dallas/Fort Worth and Houston. Starting in summer 2019, an Airbus A330-300 will be in service five times a week on the route between Frankfurt and Austin.

### Primera flames out amidst European turbulence

Europe's niche airlines have had a grim summer. Primera Air, VLM, Small Planet, Azur and SkyWork have all ceased operations. Expect more casualties from rising fuel prices and overcapacity unless carriers find shelter through mergers or takeovers. "All the airlines which recently ceased operations had fleets of fewer than 10 aircraft, making it hard to defend market share against larger groups with greater economies of scales unless they have narrow niches or work in cooperation with bigger rivals," says Sebastian Zank, analyst at Scope Ratings.

### Ethiad to bring UK festive cheer

Abu Dhabi, United Arab Emirates (UAE) – effective 15 December 2018 - 13 January 2019, Ethiad Airways will increase its flights from Abu Dhabi to London Heathrow, from three to four daily services, to meet peak demand this festive season. The flights will be operated by a two-class Boeing 787-9, featuring 28 Business Studios and 271 Economy Smart Seats.



GA Telesis provides integrated solutions across various services.

Photo: GA Telesis

## GA Telesis shareholder shake up

Tokyo Century and ANATC acquire stakes

GA Telesis, LLC has announced that its current shareholder Tokyo Century Corporation ("Tokyo Century") along with All Nippon Airways Trading Company ("ANATC") - a wholly owned subsidiary of ANA Holdings, have collectively entered into a definitive agreement to acquire all shares held by Global Principal Finance Company LLC ("GPFC") - a wholly owned subsidiary of Bank of America Corporation.

Tokyo Century's ownership after the closing of the transaction will increase to 49.2% and ANATC will acquire a 10% interest in the Company.

Tokyo Century and ANATC expect the transaction to close in October 2018.

Separately, GA Telesis, Tokyo Century and ANATC have reached an in-

Century will bolster and further diversify Tokyo Century's existing aviation investment platform, which also includes a 20% holding in Aviation Capital Group, the world's premier aircraft leasing company, as well as a 16.7% position in Jetstar Japan.

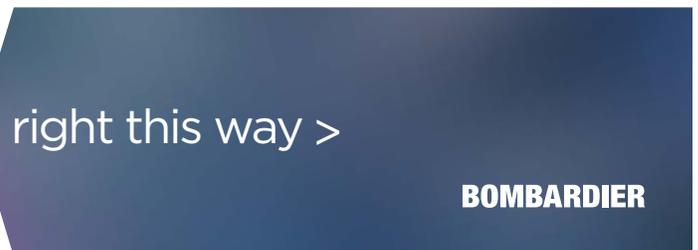
"Our initial investment in GA Telesis from 2012 has performed well and proven our initial investment thesis," said Koichi Nakajima, Deputy President of Tokyo Century Corporation. "We have made a commitment to our customers and the industry to provide the best services in aviation."

*Continued on page 3*

**"With these two great shareholders, I am confident that we will continue to deliver our year-on-year double digit-growth."**

*Abdol Moabery, President & CEO of GA Telesis*

principle agreement to form a commercial engine leasing joint venture focusing on current technology jet engines. The equity will be provided by each party and the joint venture will be managed by GA Telesis. The additional investment by Tokyo





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This further investment in the Company solidifies our strategy and promise”.

Established in 1970, ANATC has evolved from a service provider of aviation serviceable parts to a multinational service and solution provider that centres its business not only around aviation, but also in various fields such as food and beverages, electronics, and daily living essentials. Building on a strong customer base in Asia and other regions, ANATC strives to provide customer-centric and value-added solutions and services to its customers.

“This investment in GA Telesis is the next step in our growth strategy, with a clear opportunity to profitably grow our business and better serve our customers, said Hideto Osada, Senior Executive President of ANATC.

With approximately 600 employees worldwide, GA Telesis is headquartered in Ft. Lauderdale,

Florida with financial services, sales, distribution operations and MRO services operations in more than 19 countries. As the leading independent provider of integrated solutions through the combination of financial services, used serviceable material supply-chain, major related MRO operations and other ancillary aftermarket services, GA Telesis continues to lead the industry by expanding the GA Telesis Ecosystem to include more product and service offerings to its customers.

“I am thrilled with Tokyo Century’s confidence in GA Telesis and decision to increase its stake in GA Telesis,” said Abdol Moabery, President & CEO of GA Telesis. “We have had a 15-year relationship with ANATC and their investment is not only a testament to the success of that relationship but also the innovative manner in which they view the future of the aviation marketplace. With these two great shareholders, I am confident that we will continue to



Abdol Moabery, President & CEO of GA Telesis

deliver our year-on-year double digit-growth,” he added.

**AIRCRAFT & ENGINE NEWS**

**AerCap leased, purchased and sold 87 aircraft in the third quarter 2018**

AerCap Holdings has reported its major business transactions during the third quarter 2018: The company has signed lease agreements for 62 aircraft, including 9 wide-body aircraft and 53 narrow-body aircraft and purchased 12 aircraft, including 6 Airbus A320neo Family aircraft, 2 Airbus A350s, 2 Boeing 737 MAX 8s and 2 Boeing 787-9s. AerCap executed sale transactions for 13 aircraft, including 4 Airbus A320 Family aircraft, 2 Airbus A330s, 1 Airbus A340, 1 Boeing 737NG, 1 Boeing 757, 2 Boeing 767-300ERs, 1 Boeing 777-200ER and 1 Boeing 777-300. Furthermore, the company has signed financing transactions for US\$750 million.

**EVA Air takes delivery of first 787-9 Dreamliner on lease from ALC**



EVA Air’s first 787-9 Dreamliner

Photo: Boeing

Boeing, Air Lease Corp. and EVA Air have celebrated the delivery of the airline’s first 787-9 Dreamliner, via lease from ALC, at Boeing’s South Carolina Delivery Center. EVA Air plans to debut the long-range and super-efficient airplane on international routes in November. Built with lightweight composite materials and powered by advanced GENx engines from General Electric (GE) Aviation, the 787 Dreamliner family lowers operating costs by more than 20% compared to previous airplanes. The delivery marks the first of 24 Dreamliners for the Taipei-based airline. In 2015, EVA Air announced a landmark order for 18 787-10s along with plans to operate four 787-9s and two 787-10s on lease from ALC.

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**Air Partner Remarketing completes sale of ATR72-500 on behalf of Investec Bank**

Air Partner Remarketing has sold an ATR72-500 on behalf of Investec Bank. The aircraft, serial number MSN776, has been bought by Nepalese operator Yeti Airlines as the latest addition to its increasing ATR72 fleet. The appointment continues a successful year for Air Partner Remarketing; earlier this year it concluded the sale of a fourth B777-200ER for Kenya Airways and its current mandates include several B777-200ERs owned by Saudi Arabian Airlines.

**Bombardier’s long-range Global 7500 business jet awarded Transport Canada Type Certification**

Bombardier Business Aircraft has announced that its Global 7500 has been awarded Transport Canada Type Certification, which will enable it to enter into service this year. Certification by the Federal Aviation Administration (FAA) and the European Aviation Safety Agency (EASA) should follow in due course. The Global 7500 aircraft has accumulated more than 2,700 flight hours since its flight testing program began in November 2016.

**Airbus Helicopters delivers first of 100 H135s for China in Qingdao**

Airbus Helicopters has delivered one H135 to the Health Commission of Qingdao in China’s Shandong Province, making this helicopter the first of 100 H135s to be delivered to China per a framework agreement signed in June 2016. The H135 was delivered in HEMS configuration, fully equipped with the latest medical interior, and will perform life-saving EMS missions in Qingdao and the surrounding area. It is the first H135 to be delivered to China with Airbus’ latest-generation Helionix avionics suite, which increases safety and decreases pilot workload.

**MRO & PRODUCTION NEWS**

**Weston Aviation agrees terms to open new FBO at Gloucestershire Airport**

Weston Aviation, the UK and Ireland based FBO and Business Aviation specialist has agreed terms to open a new Business Aviation Centre and FBO at Gloucestershire Airport (EBGJ/GLO). Weston Aviation CEO and founder, Nick Weston said “We are delighted to be opening a new FBO facility at Gloucestershire Airport and this will be an exciting addition to our network of four locations in

**BOC Aviation places three new Airbus A320ceo aircraft with Saudi Arabian Airlines**



Saudi Arabian Airlines

Photo: AirTeamImages

BOC Aviation has placed three new Airbus A320ceo aircraft to Saudi Arabian carrier Saudi Arabian Airlines (Saudia), all of which are scheduled for delivery in 2018. The aircraft will be operated by Saudia’s low-cost subsidiary, flyadeal. Mr. Con Korfiatis, CEO of flyadeal said, “fly-adeal commenced flying a year ago with the focus of providing low fares in the Kingdom of Saudi Arabia. The strong and positive response we have seen is key to our fleet growth and network expansion. We are pleased to be working with BOC Aviation to add three new Airbus A320CEOs to our fleet. This brings our total commitment to 11 new Airbus A320 CEO aircraft – a great achievement for our first year of operation.”

**Qatar Airways grows A350-1000 fleet**



Qatar Airways is the launch operator for the larger A350-1000

Photo: Airbus P. Masclet

Qatar Airways has upsized five Airbus A350-900s currently on order to the bigger A350-1000 version. This latest endorsement for the largest member of Airbus’ successful A350 XWB family reflects the five-star-airline’s need for growth and capacity at the best comfort and efficiency levels available. The A350-1000’s fuselage is seven meters longer than its smaller brethren, providing greater capacity (44 more seats in Qatar Airways cabin configuration) that perfectly matches airlines’ needs on their growing long-haul routes.

Qatar Airways’ A350-1000s feature the unique Qsuite – the airline’s signature business class seating that offers a new level of innovation for in-flight comfort. With 76 aircraft on order, Qatar Airways is the largest A350 XWB customer and currently operates 30 A350 XWBs comprising of 27 A350-900s and 3 A350-1000s.

**EASA and FAA certify long-range capability for A321neo**

Paving the way for the A321neo customers to start “Long Range” (LR) operations, the A321LR has moved a significant step closer with recent joint-EASA and -FAA approval of the aircraft to operate with up to three underfloor Additional Centre Tanks (ACTs), including for ETOPS operation. This latest milestone is one of various A321neo capability options which, when combined, allow the A321LR version to fly up to 4,000nm with 206 passengers with extra fuel stored in three ACTs, including on ETOPS routes. Moreover, the ETOPS authorization enables up to 180 minutes single-engine diversion time, which is sufficient for performing any transatlantic route. The A321LR’s certification includes: (a) approval of the “major change” to install up to three optional ACTs in the A321neo – with their associated new fuel management systems and lower-fuselage structural reinforcements; and (b) the approval of the A321neo’s “Airbus Cabin Flex” (ACF) option which incorporates a modified fuselage structure with new door arrangements together with a higher Maximum Take-Off Weight (MTOW) capability of up to 97 metric tons. It should be noted that only A321neos which have the new ACF structure can offer the 97t MTOW and the ability to install three ACTs. Previously, the A321 Family could accommodate up to two ACTs. While the ACF configuration will become standard for all new delivered A321neos from around 2020, the 97t MTOW capability and the ability to carry up to three ACTs will be options. For the ACTs,



The A321LR is the next evolutionary step of Airbus’ twin-engine A321neo

Photo: Airbus

customers will specify prior to aircraft manufacture whether the aircraft is to be equipped with an expanded fuel management system as well as the necessary structural reinforcements to secure the underfloor ACTs. The ability to add or remove ACTs, combined together with the Airbus Cabin Flex, the 97t MTOW capability and the EASA/FAA approval to use the ACTs with ETOPS, confer unprecedented airline flexibility for cabin layouts, seating density, cargo payload, fuel-capacity and mission routing.

**Zunum Aero selects Safran Helicopter Engines for hybrid-to-electric aircraft**



Photo: Zunum Aero

Safran Helicopter Engines, a subsidiary of the Safran Group, has been chosen to supply new-generation Ardiden 3 engine turbines to drive the Zunum ZA10’s electric generator. Zunum Aero (Zunum) is a pioneering force in electric aviation. The new hybrid-to-electric Zunum ZA10 should be operational early in the 2020s and is a 12-seat 700-mile commercial aircraft which will offer exceptionally low operating costs while providing door-to-door travel times that will be two-to-four-times faster than today. Zunum anticipates frequent and affordable air services from

over 30,000 airports across the globe. The current model currently under development is the ZA10 which will have a dual power source of propulsion batteries, and a Safran turboshaft from the 1,700 to 2,000 shaft horsepower (shp) Ardiden range. The Ardiden 3Z will be coupled with an electric generator, and the integrated turbo-generator will deliver 500kW of electric power to supplement the battery packs on key stages of flight and over long distances. According to a Safran press release: The new aircraft will deliver breakthrough operating costs of 8 cents per available seat mile or \$250 per hour for the aircraft, which is 60-80 percent lower than comparable conventional aircraft of comparable size. The ZA10 aircraft is designed to cruise and land on turbo-generator power alone, offering full redundancy. Matt Knapp, co-founder and CTO of Zunum Aero: “Today marks a significant milestone on the path to delivery of the ZA10. Zunum ZA10 aircraft will bring breakthrough performance to regional aviation, paving the way to fast, electrified, affordable high-speed air services to communities everywhere.” Florent Chauvancy, Safran Helicopter Engines EVP OEM Sales commented “The Ardiden 3Z represents a very powerful complement to the ZA10 because of its exceptional performance, along with low operating and maintenance costs. This announcement marks a new step forward in demonstrating Safran ability to offer hybrid propulsive solutions for tomorrow’s mobility solutions.”

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the UK and Ireland. Gloucestershire Airport is based in a location that offers significant potential for the development of business aviation growth and activity as well as encouraging new users of private air travel to and from the region.” Established in 1995, Weston Aviation is the second-largest FBO network in the UK and Ireland in terms of locations, with additional FBO facilities at Cornwall Airport Newquay, Humberside International Airport and Cork Airport in Ireland. Weston Aviation also provides aircraft charter services, aircraft leasing and fuel services.

**Eirtech secures B737 STC for Honeywell PM-CPDLC ACARS Mark II+ CMU upgrade**

Eirtech Aviation Services have been granted an STC (Supplemental Type Certificate) on B737NG aircraft to install the Honeywell ACARS Mark II+ CMU with all associated wiring changes. This allows aircraft fitted with these units to comply with the EASA Link 2000+ CPDLC mandate which is due in February 2020. This STC is applicable to the B737 series, specifically models: 737-600/-700, 737-8/-800, 737-900/-900. This solution will be of interest to airlines and aircraft leasing companies who have B737NG aircraft which are not yet compliant with the upcoming CPDLC mandate. Eirtech can supply a turnkey solution to include, engineering, STC with right to use letter, installation wiring kit with EASA Form 1 and supply of Honeywell CMU units.

**Airbus Partners with AMSilk for development of next-gen aerospace composite fibers**

As the aerospace industry continues to move away from metal and steel fuselages and wings, adopting carbon fiber as a means to reduce weight and thus reduce fuel consumption, Aerobus, a leader in this change in construction materials has now teamed up with AMSilk to explore the potential use of Biosteel® fiber. Biosteel® fiber is identical in molecular composition to spider silk, a material known for its strength, flexibility and lightweight structure and Airbus is the first in the aerospace industry to experiment with this new material which will enable the aerospace giant to approach the design and construction of planes in a totally new way.

The intention is to produce a new composite material incorporating Biosteel® fiber which will have additional shock resistance and flexibility. AMSilk produces Biosteel® fiber through a closed-loop biotechnological pro-

**Lufthansa Group convert 27 Airbus A320neo and A321neo options into firm orders**



Lufthansa Group buys more new generation short- and medium-haul aircraft

Photo: Lufthansa

The Supervisory Board of Deutsche Lufthansa AG has approved the purchase of 27 short- and medium-haul aircraft. Purchase options for 24 Airbus A320neos and three A321neos will be converted into firm orders. With this decision, the Lufthansa Group is reacting to the positive market and earnings development and thus ensuring the necessary fleet size in the coming years. The total investment of this order amounts to a list price of about US\$3.0 billion. This increases the total number of A320neo and A321neo orders to 149 for the Group, while 13 of them are already operating with Lufthansa. The A320neo and A321neo (short for new engine option) are scheduled for delivery in 2023 and 2024. Ten of the 27 new aircraft are intended for SWISS; the remaining aircraft will be in service by other flight operations within the Aviation Group. One part of the order will be equipped with Pratt & Whitney engines (PW1100G), the other with LEAP-1A engines from CFM International. This means that both engine types will continue to be available to the Lufthansa Group in roughly equal proportions for the “neo” family.

**United Airlines expands 787 Dreamliner fleet with new order for nine Boeing 787-9 airplanes**



United places new order for nine 787-9 airplanes

Photo: Boeing

United Airlines is expanding its 787 Dreamliner fleet again with a new order for nine Boeing 787-9 airplanes, the longest-range member of the super-efficient Dreamliner family. The deal is valued at US\$2.53 billion according to list prices. United Airlines says the order reflects its fleet strategy of replacing older widebody jets with new, advanced airplanes such as the 787-9, which can fly farther and use 20% less fuel with 20% fewer emissions. The U.S. carrier, which announced a purchase of four 787-9s in July, has now ordered a total of 64 Dreamliners. The latest deal continues the strong momentum for the Boeing 787 Dreamliner family, with net orders now above 100 for the year and just one shy of 1,400 since the start of the program.

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cess that renders the product highly sustainable, with no petroleum inputs. Through this joint cooperation agreement, the two companies are hoping to produce the first prototype composite in 2019. Commenting on the joint venture, Jens Klein, CEO of AMSilk said: “We are excited to be working with Airbus, the world leader in performance airplanes, to create a fundamentally new material. At AMSilk, we are committed to producing materials that are both high performing and sustainable, and the current partnership with Airbus is an opportunity to set a new, stronger and more sustainable course for the entire aerospace industry.”

**Nycote selects Pexa as European distributor for its high-tech aerospace nylon epoxy coatings**

Nycote has signed an exclusive distributor agreement with Pexa, a specialist distributor, for its high-technology surface coatings with the objective of enhancing safety and reducing maintenance costs for major aerospace providers around the globe. Nycote is a global leader in advanced coating technologies that increase asset lifespan, reduce maintenance costs and ensure safety for aircraft manufacturers. Their coatings are approved by major OEM’s such as Airbus, Boeing, and Embraer and are REACH compliant. Nycote combines the strength and flexibility of nylon with the hardness of epoxy, creating a clear, lightweight barrier that prevents corrosion and conductivity. Its one-coat, anti-corrosion products can be applied on an array of surfaces and can also be custom tinted. This agreement with Pexa, the UK-based distributor of high-tech surface coatings, offers unrivaled expertise in the marketing, delivery and technical support of specialty surface coatings. As a result, Nycote can expand its market coverage and provide European customers with technical support and stock availability. Pexa’s field sales team are trained and qualified in the application of surface coatings, providing technical advice and support to customers throughout Europe.

**LORD Corporation opens US\$12 million manufacturing facility in Pont de l’Isère, France**

LORD Corporation, a global diversified technology and manufacturing company, has officially unveiled its new, state-of-the-art manufacturing facility in Pont de l’Isère. The 83,000 ft<sup>2</sup> facility positions LORD for future growth

**Lufthansa Technik and MTU Aero Engines lay foundation stone for joint MRO shop in Poland**



Foundation stone laying ceremony

Photo: MTU

Lufthansa Technik AG and MTU Aero Engines AG have laid the cornerstone for their new joint venture EME Aero in Jasionka, close to Rzeszów city, on September 28, symbolically launching one of the biggest and most advanced GTF MRO service centers worldwide. Pratt & Whitney GTF engines power five regional and narrow-body aircraft platforms, with the A220 and the A320neo family from Airbus and the Embraer E190-

E2 already in commercial service. The total investment for the service center is €150 million (US\$174 million) by 2020. Plans are to have the facility – with its 40,000 m<sup>2</sup> of workspace – up and running by the end of 2019. Work on the construction site began in mid-June this year. The area has already been levelled and over 60,000 m<sup>3</sup> of soil have been moved. The building platform is almost complete and foundation works have begun. The construction site for the EME Aero service center consists of about 160,000 m<sup>2</sup>; this corresponds to approximately 23 football fields. The construction of the facility, including one of the most advanced test cells worldwide, will be completed by the end of 2019.

**AeroParts & Supply Southwest completes facility upgrade and move at Dallas Executive Airport**



Battery station

Photo: APSS

AeroParts & Supply Southwest (APSS) has completed a facility move to an upgraded hangar and shop space located at Dallas Executive Airport (RBD) and is now fully operational. The well-established General Aviation parts, supply and repair company celebrated their grand opening of the facility in early September. The 3,808 ft<sup>2</sup> facility consists of larger shop space that includes an enclosed dedicated battery shop. The facility also consists of an expanded wheel and brake shop, warehouse and office space. In addition, the facility has a redesigned retail space for GA parts that makes it easier than ever for customers to select common parts. The move aligns with APSS’s efforts to make online part buying easier with a revamped website featuring more robust parts search and online purchasing options, which launched earlier this year.

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while enabling the company to enhance its customer service. The new center replaces the company’s previous facility in Saint-Vallier, with all 200 employees relocating to the new building. The facility supports LORD’s Electro-mechanical Solutions business and is 30% larger than the business’ previous facility with development and test labs, machining, mounting operation, a repair shop, sales and marketing, and general administration. Unique features include a showroom with demonstration equipment and an aircraft cockpit simulator which puts you in the pilot seat to experience the LORD cockpit controls and test how well you maneuver the aircraft. Additionally, nearly half of the parking lot will be installed with electric vehicle charging stations.

**Boeing teams with Robotic Skies**

Boeing and its subsidiaries Jeppesen and Aviall have joined with Robotic Skies, a leading commercial unmanned aircraft system (UAS) support services provider, to develop and deliver industry-leading supply chain management and optimization, analytics, and maintenance, repair, and overhaul (MRO) services for the commercial and civil UAS markets. “Teaming with Boeing will allow both companies to elevate the commercial UAS customer experience and deliver operations solutions that would be difficult to achieve individually,” said Brad Hayden, Robotic Skies, CEO. “This agreement represents a foundational step for the advancement of commercial UAS operations that will meet the requirements of today and help shape the future of unmanned flight.” Boeing and Robotic Skies will jointly pursue opportunities to best leverage their extensive combined experience and solutions in manned aviation programs and extend them into the UAS market, including providing services for commercially focused regulatory compliance, ground support, training, MRO, parts distribution, field upgrades and vehicle retrofit capabilities. As their relationship continues to expand, the companies will provide unified operations services for both existing commercial UAS operators and for companies seeking to enter the UAS field for the first time.



Boeing, Robotic Skies repair image Photo: Jeppesen

**Bombardier doubles customer services capabilities in Florida with new service center**



Bombardier Service Center Miami

Photo: Bombardier

Bombardier has released that it is increasing its customer service capabilities in the U.S. with a new service center at the Miami-Opa Locka Executive Airport (OPF) in Miami-Dade County, Florida. The new service center will more than double the company’s current customer service footprint in Florida with new capabilities, including a paint facility for the center’s vast customer base spanning the U.S. and Latin America. Planned for inauguration in 2020, the new service center in Miami will be fully equipped to perform scheduled and unscheduled maintenance, aircraft modifications, avionics installations, and aircraft on ground support (AOG) for Bombardier Learjet, Challenger and Global aircraft. Once the facility is fully ramped up, the new service center will nearly double Bombardier’s employment in Florida to close to 300 employees. Located in Miami-Dade County, the Miami-Opa Locka Executive Airport (OPF) is the largest of the County’s general aviation airports. Bombardier’s approximately US\$100-million investment for its new service center will bring significant benefits to Miami-Dade County, including the development of a comprehensive aerospace cluster and the establishment of talent development partnerships with local colleges.

**Rolls-Royce welcomes Delta TechOps into expanded service network**



The first Trent 1000 at Delta TechOps

Photo: Delta TechOps

Rolls-Royce has welcomed Delta TechOps into its expanded service network as it begins work on its first Trent engine. Delta TechOps began operations as a Trent Authorised Maintenance Centre, with the induction of a Trent 1000 engine module. The 127,000 ft<sup>2</sup> state-of-the-art facility will also carry out services on the Trent 7000 and Trent XWB. Rolls-Royce has been responding with a range of activities to support customers experiencing disruption as a result of the requirement for increased inspections on Trent 1000 engines. These activities, which include an increase in maintenance capacity for affected engines, the introduction of a new inspection technique and the acceleration of a permanent fix for the issue, are all aimed at reducing the operational impact on customers. The addition of Delta TechOps supports the growth of maintenance capacity and also supports Rolls-Royce’s wider services strategy to develop an increasingly capable, competitive and flexible CareNetwork. The new facility, in Atlanta, Georgia, has been created by converting several large hangar bays. The workshop consists of areas for engine assembly and disassembly; kitting parts; engines work in progress; shop materials and supplies, life limited parts and repair and support. A new test cell will open later this year capable of testing engines to 150,000lb thrust. Delta TechOps already carries out service support for Rolls-Royce BR715 regional jet engines.

**FINANCIAL NEWS**

**Ryanair cuts full year 2019 guidance by 12%**

Ryanair has lowered its full year profit guidance (excluding Laudamotion) from a current range of €1.25 billion – €1.35 billion, to a new range of €1.10 billion – €1.20 billion due to lower traffic and weaker close-in fares in September, caused by two days of coordinated pilot/cabin crew strikes in Germany, Holland, Belgium, Spain and Portugal, as well as lower third-quarter fares as forward bookings (particularly for the Oct school mid-terms and Christmas) and customer confidence are affected by fear of further strikes and higher EU261 care and re-accommodation costs arising from these recent strikes and higher prices (US\$82pbl) for unhedged oil (10%). Ryanair’s Michael O’Leary said: We now guide full year 2019 PAT in a new range of €1.10bn to €1.20bn (previously €1.25bn to €1.35bn). Second-quarter fares are down approx. 3% (previously guided +1%) due to the weakness caused to close-in bookings and fares mainly as a result of these two (five-country) coordinated strikes in September. We had, until last week, expected stronger third-quarter fares to recover softer second-quarter yields, but over the past week third-quarter fares and customer confidence have been affected by worries about possible strikes. We are now guiding second-half fares down 2% (previously flat). Our fuel bill will be approx. €460 million higher (previously €430 million) than last year and “Other Costs” will be negatively impacted by higher EU261 care and re-accommodation costs. Our slower traffic growth in the second half will cut full year 2019 traffic to 138 million (previously 139 million excluding Laudamotion).” (€1.00 = US\$1.16 at time of publication)

**Jet Aviation acquires KLM Jet Center in Amsterdam and Rotterdam**



Edwin Niemöller

Photo: Jet Aviation

Jet Aviation has completed its acquisition of KLM Jet Center, a leading provider of comprehensive FBO/Handling services at Amsterdam and Rotterdam International Airports. With a new flagship operation and presence at two of Europe’s top airports, the KLM Jet Center acquisition represents a significant step in strengthening Jet Aviation’s position as a leading FBO service provider in Europe. “Amsterdam and Rotterdam are highly attractive destinations to business jet owners and operators,” said Rob Smith, president of Jet Aviation. “The two FBOs support more than 7,500 annual movements and extend high connectivity to Jet Aviation network customers. Like us, the KLM Jet Center is known for its capabilities, expertise, strong values and commitment to customer service. We are delighted to welcome all 34 employees to the Jet Aviation family.” Edwin Niemöller, who has served as FBO Director of the KLM Jet Center for more than a decade, will continue in his role as head of the Amsterdam and Rotterdam FBOs. KLM Jet Center began its handling services to business aviation as part of KLM Northsea Helicopters in 1986. The company offers ground handling, customer and crew services, flight planning and fueling services to business and general aviation customers at both locations and its Amsterdam FBO has consistently been voted one of the top-ten FBOs in Europe in recent years. Acquisition of the KLM Jet Center brings Jet Aviation’s global FBO network up to 34 locations. The two KLM Jet Center FBOs will become Jet Aviation branded facilities this October.

**Air Transport Services Group to acquire Omni Air International**

Air Transport Services Group (ATSG) has agreed to acquire Omni Air International, a passenger ACMI and charter services pro-

vider with significant experience serving U.S. and allied foreign governments and commercial customers, for US\$845 million, subject to customary adjustments. The company did

not assume any debt in connection with the acquisition. Omni Air is a leading provider of passenger airlift services to the U.S. Department of Defense (DoD) via the Civil Reserve



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Air Fleet (CRAF) program, and a worldwide provider of full-service passenger charter and ACMI services. Omni Air also carries passengers worldwide for a variety of private sector customers and government services firms. Omni Air, founded in 1993, is an FAR Part 121 certificated and IATA Operational Safety Audit registered airline. The combination with Omni Air is anticipated to add over US\$430 million in annualized revenues to ATSG. It also exceeds ATSG’s investment hurdle and is expected to be immediately accretive to ATSG’s adjusted earnings per share in 2019, with Adjusted EBITDA in line with ATSG’s margin profile. After adjusting for the present value of tax benefits, which are estimated to be approximately US\$85 million, the implied acquisition multiple is 5.8x Omni Air’s adjusted EBITDA for the trailing 12 months ending August 2018.

**AeroCentury completes acquisition of JetFleet Holding**

AeroCentury, an independent aircraft leasing company, has completed the acquisition of JetFleet Holding Corp. (JHC). JHC is the parent of JetFleet Management Corp., which has managed the Company’s operations and aircraft portfolio since the Company’s founding in 1997. ACY paid approximately US\$2.8 million in cash and 129,286 shares of ACY common stock to JHC shareholders. “We believe this acquisition will be a positive development for AeroCentury and appreciate the strong support we have received by both ACY and JHC shareholders. To our customers, the merger represents business as usual, since the same management team that has run AeroCentury remains in place and fully intact,” said Michael Magnusson, CEO of AeroCentury.

**DAE announces successful closing of US\$800 million revolving loan facility**

Dubai Aerospace Enterprise (DAE) has successfully closed its US\$800 million revolving

**Primera Air files for bankruptcy**



Photo: AirTeamImages

The Danish-Latvian low-cost carrier (LCC) Primera Air Scandinavia, flying as Primera Air (Primera) and its subsidiary Primera Air Nordic, has ceased all operations with immediate effect, as of midnight October 1 leaving up to 5,000 passengers stranded at various destinations in Europe and North America. The reasons given in a statement issued were “several unforeseen misfortunate events severely affecting the financial standing of Primera Air.” It had been known over the last few days that the carrier had been looking for financial support after excessive spending on wet leases which were entered into as a result of continued delays with the delivery of Airbus A321s, both the A321LR and A321neo, with Primera the intended launch customer of the A321LR. As a result of these delays, the carrier had to invest an unexpected €20 million (US\$23 million) on wet leases, and a further €10 million (US\$11.5 million) on refurbishment of an existing jet. In recent years, Primera had commenced an aggressive expansion program, opening a new base in Latvia along with the associated creation of Primera Air Nordic in 2014. In 2017 the carrier tackled competition head-on with the growing presence of other LCCs including WOW and Norwegian by opening of three new European bases at London-Stansted and Birmingham in the U.K. and Paris-Charles de Gaulle in France. From there Primera flew to Boston and Newark in the U.S. Shortly afterwards routes were added from London and Birmingham to New York, Washington DC and Boston in the U.S., and Toronto in Canada. To meet with this expansion, 20 Boeing 737 MAX9s and three A321s were ordered, with the first being delivered in April 2018 on a lease agreement with GECAS. It was in May this year that major cracks began to appear in Primera’s operations after it was forced to cancel all flights to Toronto, followed in June by the cancellation of all planned summer transatlantic flights from Birmingham to New York as a result of, according to Primera, delays in the delivery of brand-new A321s from Airbus.



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loan facility which was launched in May of this year. The credit facility, initially launched for an amount of US\$480 million, attracted the appetite from a broad group of banks and achieved substantial oversubscriptions. Al Ahli Bank of Kuwait (ABK) serves as the Coordinating Mandated Lead Arranger and Bookrunner, and together with UAE-based First Abu Dhabi Bank (FAB) act as Mandated Lead Arranger (MLA) and Bookrunner, while Noor Bank acts as Mandated Lead Arranger. FAB is also the Global Agent, Facility Agent and Investment Agent, whilst Noor Bank acts as the Islamic Structuring Agent. Eight additional banks have entered the facility using the accordion feature to bring the total of the facility size to US\$800 million.

**Smiths Group acquires United Flexible for US\$345 million**

Smiths Group has entered into an agreement to acquire United Flexible, a provider of flexible and rigid engineered solutions for the transfer of fluids and gases in performance-critical environments, from Arlington Capital Partners for an enterprise value of US\$345 million. United Flexible will be integrated into the Group's Flex-Tek division. The acquisition strengthens Flex-Tek's positions in aerospace and industrial end markets globally. United Flexible already supports important aerospace platforms, including the A320neo and PW1000G and F135 engines. It has four operations in the US and three in Europe, which will enhance Flex-Tek's geographic footprint. In the 12 months to 31 December 2018, United Flexible is expected to generate sales of

US\$157 million and adjusted EBITDA of US\$32 million. The acquisition consideration will be payable from existing cash and bank facilities. Completion of the acquisition is expected to take place in the second half of FY2019 and is conditional upon regulatory clearances in the US, as well as other customary closing conditions.

**Hurricane Florence costs Delta US\$30 million – share price drops 3.4%**

Delta Air Lines (Delta) stock fell 3.4% after the American carrier announced that Hurricane Florence caused a US\$30 million loss in business and that it was now paying more for fuel. Delta was forced to cancel 275 flights in September, mainly in the Carolinas, and that to date it had still not completed dealing with the disruption. As a consequence, third-quarter revenue per seat flown per mile increased between 4 and 4.5 percent, which was an indication of rising prices, with Delta indicating that the additional revenue generated will partially help to offset the 35 percent increase in spot fuel prices over the last year. The carrier's share value dropped US\$1.91 to US\$54.69 at market close, with other major American carriers' stock prices falling by a similar amount. In total, roughly 3,500 flights were canceled as a result of Hurricane Florence back in mid-September. Unlike the previous year when many more flights were disrupted as a result of Hurricanes Harvey, Irma and Maria – over 20,000 in total – Delta Air Lines, JetBlue Airways and United Airlines reduced prices after many carriers were previously criticized for increasing prices to take advantage of the surge in demand for seats prior to hurricanes hitting land. This year carriers also waived fees for changing flights, baggage and in-flight

pets, while Delta also added 1,000 additional seats to its flights in the Carolinas ahead of the hurricane. While Charleston International Airport was closed prior to the arrival of Hurricane Florence, it was not just carriers that were affected where planes were concerned. Boeing was also forced to take evasive action by closing its Charleston plant and evacuating all staff, while flying a number of jets to relative safety in Seattle.

**OTHER NEWS**

**Seabury Solutions**, a subsidiary of New York-based **Seabury Capital Group**, providing Information Technology solutions for the aviation industry, has added the Republic of Zimbabwe's new start-up airline, **Zimbabwe Airways**, to its growing customer base in Africa's rapidly developing aviation market. The airline will begin the certification process with the aircraft, under control of **Alkym®** Management and Control System for Aircraft Maintenance (Alkym), with its first of the four new Boeing 777 aircraft landing in Herrera already having its data loaded into Alkym. Zimbabwe Airways have selected to use the full Alkym suite and will phase it into the operation as it grows and matures. With the new mobile platform, Alkym brings its current module list to eighteen.

**The International Air Transport Association (IATA)** joined air transport businesses and associations to reaffirm its commitment to a sustainable future as the aviation industry marked ten years since agreeing an ambitious joint strategy for reducing carbon emissions. "Ten years ago, the entire aviation sector com-



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**PASSENGER STATISTICS - SEPTEMBER**

- Low-cost airline **Wizz Air** has reported passenger statistics for September 2018. Traffic for the month increased 16% while capacity was up 17.5% compared to September 2017. The load factor for September was 94.1%, an increase of 1.2 points compared to the previous year.
- **International Airlines Group** has reported that traffic in September increased by 5.9% compared to the same period in 2017, while Group capacity rose 7.2% year on year. Group load factor for September dropped 1.0 points to 84.6%.
- **Ryanair** has released that total traffic for September 2018 grew 11% to 13.1 million, with a 97% load factor. Ryanair traffic grew 6% to 12.6 million customers, with a load factor of 97%. Luda traffic was 0.5 million customers with a 93% load factor.

**OTHER NEWS**

mitted to a joint strategy for carbon-neutral growth and to work towards a carbon-free future. That was a daring goal. But with hard work and solid commitment of industry and government, carbon-neutral growth from 2020 will be a reality, and we are already looking beyond. By 2050 we will cut our net emissions to half 2005 levels,” said Alexandre de Juniac, IATA’s Director General and CEO, speaking at the **Air Transport Action Group (ATAG)** Global Sustainable Aviation Summit. In 2008, as airlines reeled from the financial crisis and oil prices were at historic highs, aviation leaders from the airline, airport, air navigation and aviation manufacturing sectors signed a Declaration, committing to a four-pillar plan for carbon reduction: Investment in new technology (including sustainable aviation fuels), continuous operational improvements, better use of infrastructure, and a single global market-based measure. In the decade since, aviation has turned the Declaration into solid progress. Flying is 20% more fuel efficient. Sustainable aviation fuels have proven that they are effective, and a historic agreement reached at the **International Civil Aviation Organization (ICAO)** Assembly in 2016 — the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) — will facilitate carbon-neutral growth from 2020. The immediate priority on the aviation sustainability agenda is to successfully implement CORSIA as the single global market-based measure. “Persuading more states to volunteer for CORSIA is important. In tandem, we are working with governments to prevent actions that undermine the agreement, such as the unilateral implementation of environmental taxes. The ICAO Assembly next year provides an opportunity for governments to reaffirm CORSIA as the single global measure for aviation climate mitigation. It’s a top priority for CORSIA to be effective,” said de Juniac. Reducing carbon emissions to 50% of 2005 levels by 2050 (2050/minus 50) will be an even greater challenge. “Progress in technology, operations, and infrastructure — especially air traffic management —



Charlie Cornish MAG CEO

Photo: MAG

**Manchester Airport Group (MAG)** intends to participate in the tender process for the concession to operate **Sofia Airport** in Bulgaria. The process was started on July 5, by the Bulgarian Government. MAG already operates three major airports in the UK at Manchester, London Stansted and East Midlands, which together serve 60 million passengers per year, to over 270 destinations via 70 airlines. The company’s unique ownership structure comprises a blend of both Manchester City Council and the Greater Manchester local authorities and long-term private investors (IFM Investors). This has ensured that its growth has been founded on its ability to balance the commercial considerations of its airports with a commitment to working closely with the local communities around each site to ensure that they benefit both from the point of view of investment, job creation and the environment. MAG’s bid will be supported by Chinese construction giant BCEG, who are already working with MAG on the Airport City UK construction project in Manchester, one of the UK’s most significant examples of collaboration with China in infrastructure development. BCEG’s involvement will bring new opportunities for collaboration between Bulgaria and China. “We have a clear vision as to how we will deliver a passenger experience and global route network for Sofia Airport that is comparable to other top tier airports around the world.” said MAG Chief Executive, Charlie Cornish.

**OTHER NEWS**

will match or better our fuel efficiency achievements of the past decade. But our 2050/minus fifty goal will test our resolve even more. We will not move forward on a consistent glide path, but we are on the right trajectory. The industry is ready for the next step-change in technology in the 2030s: hybrid and electric planes, and the large-scale rollout of sustainable fuels,” said de Juniac.

**American Airlines** will add a sixth destination in Cuba with a new daily flight from Miami International Airport (MIA) to Antonio Maceo Airport (SCU) in Santiago de Cuba, starting May 3, 2019. The airline will also start a new service from Dallas Fort Worth International Airport (DFW) to Durango International Airport (DGO) in Mexico starting June 6, 2019. American will be the only U.S. carrier to serve DGO and SCU. American will also add new services to some of its existing international destinations from DFW, MIA, Charlotte Douglas International Airport (CLT) in North Carolina and LaGuardia Airport (LGA) in New York. American also plans to increase service from its largest hub at DFW. As announced in March, the airline reached a lease agreement with the airport resulting in 15 new regional gates after renovating the Terminal E satellite, which is scheduled for completion during the summer of 2019. As part of the expansion, American will add a new service to Valley International Airport (HRL) in Harlingen, Texas, beginning March 3, and launch seven additional domestic routes from DFW. These new routes are part of American’s plan to grow its DFW operations from approximately 800 peak daily departures today to close to 900 peak daily departures next summer.

**Sabre Corporation** has launched its industry-first Digital Airline Commercial Platform (DACP) with **Aeroflot**, **Ethiopian Airlines** and **Etihad Airways** on board as launch partners. Announced earlier this year, the Commercial Platform delivers end-to-end personalized retailing and helps empower airlines to suc-



Photo: ©easyJet

**easyJet** has signed up **Virgin Atlantic** as a new airline partner to its unique connections service ‘Worldwide by easyJet’. From October 2, easyJet customers can seamlessly connect through London Gatwick Airport between easyJet and Virgin Atlantic flights. This opens up new destination options via ‘Worldwide by easyJet’ which could see customers connecting from the likes of Barcelona through to Orlando and Edinburgh to Las Vegas. Other Virgin Atlantic destinations now available also include Las Vegas, Antigua and St Lucia. Worldwide by easyJet has been consistently growing, with more than 4,000 unique O&Ds which have been booked in combination with partner airlines. This addition compliments easyJet’s existing relationships with Norwegian, WestJet, Thomas Cook Airlines, Corsair, La Compagnie, Aurigny and Loganair who are already part of ‘Worldwide by easyJet’. Earlier this month easyJet announced that Singapore Airlines and its low-cost subsidiary airline Scoot will join the ‘Worldwide by easyJet’ global connections service, connecting easyJet customers with South East Asia through Singapore Airlines via Milan Malpensa airport and with Scoot through Berlin Tegel. The service is expected to be available within the coming months. easyJet will continue to sign up other airlines to ‘Worldwide by easyJet’ during 2018, with talks progressing with Middle- and Far-Eastern carriers amongst others, while the airline also plans to expand to other key easyJet airports in Europe

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engine and a mobile-first, consumer-grade workspace for airport agents. Together, these solutions help empower airlines to deliver a unique brand experience and maximize revenue streams. The benefits of the Sabre Digital Airline Commercial Platform are already coming to life for some key airline partners. As airlines at the forefront of innovation, Russian carrier Aeroflot and leading African carrier Ethiopian Airlines are the launch partners for Sabre's Digital Workspace, which will enable airport agents to deliver a seamless and personalized airport experience to customers via mobile devices. This solution is a complete redesign of Sabre's Interact Interface, equipping agents with workflows that eliminate the linear check-in approach and improving agent productivity by up to 30 percent compared to current processes.

**Norwegian** has selected **OpenAirlines'** solution to save fuel and reduce carbon dioxide emissions for all its operations. Under the agreement, OpenAirlines will continuously analyze the data of 600 daily flights operated by 157 aircraft, by deploying its eco-flying solution SkyBreathe® Fuel Efficiency. SkyBreathe® Fuel Efficiency is an innovative cloud-based software solution which features an Artificial Intelligence engine with cutting-edge algorithms to automatically analyze large amounts of flight data and assess operational efficiency improvements at fleet, route, and individual flight stage level. SkyBreathe® integrates multiple sources of data in a single database and computes achieved and potential savings taking into account the exact flight conditions, such as weather, flight path, Air Traffic Control, payload. It generates insights which are shared with all stakeholders through synthetic and easy-to-read dashboards. Pilots can visualize their actual flights in 3-D and get feedback on each fuel saving best practice via a dedicated user-friendly mobile app.

**INDUSTRY PEOPLE**

- ARGUS International, a worldwide leader in specialized aviation services, has released that **Charles Cunningham** has joined the company as Vice President of Sales and Marketing. Cunningham is responsible for leading and managing the sales and marketing team and reports to CEO, **Joe Moeggenberg**. Cunningham brings over ten years of experience in

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marketing and sales, a depth of industry knowledge and a wealth of experience in sales management, marketing and business development. Prior to joining ARGUS, Cunningham provided marketing strategy and implementation as Marketing Manager for Flatirons Solutions, an XML-focused software and service provider for airline and OEMs. He earned his Bachelors degree in Aeronautical Science from Embry-Riddle Aeronautical University and went on to earn his Masters in Business Administration in Aviation from Embry-Riddle.

- WestJet has appointed **Colleen Johnston** to its Board of Directors effective immediately. Most recently, Johnston served as Special Advisor to the CEO at the TD Bank Group prior to retiring in 2018 after 14 years with the bank. Across her years of service, she was the Group Head of Direct Channels, Technology, Marketing and Corporate and Public Affairs. Johnston has spent more than ten years as Group Head, Finance, Sourcing, Corporate Communications and Chief Financial Officer and was actively involved in promoting diversity and inclusion as the Chair of the Women in Leadership Committee. Prior to joining the TD Bank Group, Johnston held senior leadership roles at Scotiabank.



**AviTrader Publications Corp.**  
Suite 305, South Tower  
5811 Cooney Road  
Richmond, BC  
Canada V6X 3M1

**Publisher**  
Peter Jorssen  
Tel: +1 604 318 5207

**Editor**  
Heike Tamm  
editor@avitrader.com  
Tel: +34 (0) 971 612 130

**Advertising Inquiries and Customer Support**  
Jenny Vogel  
jenny.vogel@avitrader.com  
Tel: + 49 (0) 8761 346 007

**For inquiries and comments, please email:**  
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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	ORIX Aviation	V2522-A5	1604	2001	Q1/2019	Sale	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A319-100	ORIX Aviation	V2522-A5	1445	2001	Q4/2019	Sale	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	Castlelake	V2527-A5	2161	2003	Q1/2019	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
A321-200	Castlelake	V2533-A5	3274	2007	Q4/2019	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
A321-231	Aircraft Recycling Intern.	V2533-A5	3241	2007	Q4/2019	Lease	Gabrielle Du	gabrielle.du@ariaero.com	+852 37537347
A321-231	Aircraft Recycling Intern.	V2533-A5	3251	2007	Q4/2019	Lease	Gabrielle Du	gabrielle.du@ariaero.com	+852 37537347
A330-200	Castlelake	CF6-80E1A4	473	2002	Q4/2019	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
A330-200	Castlelake	CF6-80E1A4	489	2003	Q4/2020	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
B737-5H6	Bristol Associates	CFM56-3C1	26445	1992	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B737-800	ORIX Aviation	CFM56-7B24E	40317	2012	Q4/2019	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B24E	40287	2012	Q1/2019	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B747-400	Bristol Associates		28812	1999	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B747-400	Bristol Associates		30023	2000	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B757-223 (7x)	Jetran	RB211-535E4B	various	91/92	Now	Lease	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471

## Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
ATR72-500F	Castlelake	PW100-127F	0585	1999	Now	Sale	Michael Hackett	Michael.hackett@castlelake.com	+442071906120
CRJ-200LR	Regional One	CF34-3B1	7369	2000	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
CRJ-900LR	Regional One	CF34-8C5	15111	2007	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
DASH8-311	Regional One	PW123B	325	1992	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	1700123		Now	Sale / Lease	Auvinash Narayen	Auvinash.Narayen@aerfin.com	+44 (0) 7766384581
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
SF340B	C&L Aviation Group	CT7-9B	194	1990	Now	Sale / Lease	Fred Dibble	fred.d@cla.aero	+1 207-217-6128
SF340B+	C&L Aviation Group	CT7-9B	425	1997	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-217-6259
Saab 340B+	C&L Aviation Group	CT7-9B	368	1994	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-217-6259
SF340A Cargo	C&L Aviation Group	CT7-5A	046	1986	Now	Sale	Fred Dibble	fred.d@cla.aero	+1 207-217-6128

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## Commerical 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
<b>AE3007 Engines</b>					
(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
<b>CF34 Engines</b>					
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 - Lease				
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) CF34-10E7	Now - Sale/Lease/Exch.	Werner Aero	Cliff Topham	ctopham@werner aero.com	+1-703-402-7430
(1) CF34-8E5	Now - Sale / Lease	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 7930463293
(1) CF34-8E5A1	Nov 18 - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(1) CF34-10E5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CF34-10E6	Now - Lease				
(1) CF34-10E7	Now - Lease				
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
<b>CF6 Engines</b>					
(1) CF6-80C2A2	Oct 18 - Sale / Lease	Castelake	Stuart MacGregor	stuart.macgregor@castlelake.com	+442071906138
(1) CF6-80C2A2	Dec 18 - Sale / Lease				
<b>CFM Engines</b>					
(1) CFM56-7B26/E	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/3	Now - Lease				
(1) CFM56-7B27	Now - Lease				
(1) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) CFM56-7B26	Soon - Lease				
(1) CFM56-3C1	Soon - Lease				
(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-5B	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werner aero.com	+1-703-402-7430
(1) CFM56-7B	Now - Sale/Lease/Exch.				



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## Commerical Engines (cont.)

(1) CFM56-5B3/P	Nov 18 - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CFM56-7B26	Oct 18 - Sale / Lease				
<b>CT7 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
CT7-9B	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
<b>JT8D and JT9D Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) JT8D-217C	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
<b>GEEx Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) GEEx	Soon - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
<b>LEAP Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) LEAP-1A33	Soon - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(2) LEAP-1B28	Soon - Lease				
<b>PW Small Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) PW121	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) PW123B/D/E	Now - Sale / Lease				
(1) PW124B	Now - Sale / Lease				
(1) PW127E/F/M	Now - Sale / Lease				
(1) PW150A	Now - Sale / Lease				
(1) PW121	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 415 516 4837
(1) PW124B	Now - Sale/Lease/Exch.				
(2) PW123	Now - Sale/Lease/Exch.				
(1) PW127	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(1) 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				
PW127	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
(1) PW124B	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(2) PW127E/F			Remi Krysz	rkrysz@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

## Commerical Engines (cont.)

(1) PW4056-3	Now - Sale/Lease	Jet Midwest	Kevin Lee	engines@jetmidwest.com	+1-310-652-0296
RB211 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) RB211-535	Now - Sale / Lease	Jet Midwest	Dave Williams	dave.williams@jetmidwest.com	+1-817-791-4930
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(2) Trent 892	Now - Sale / Lease	TrueAero, LLC.	Matt Parker	mparker@trueaero.com	+1 469-607-6110
(4) Trent 556	Now - Sale / Lease				
(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
(1) (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 - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@wernerero.com	+1-703-402-7430

## 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.				
Trent5562 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
Trent892 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.				
(1) GTCP331-500B	Now - Sale/Lease/Exch.				
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GTCP36-300A, GTCP85-98DHF 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) GTCP36-150RJ, (2) GTCP36-100M,	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					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
Neutral CFM56-5B & CFM56-7B QEC Kits	Now - Sale	CFM Materials	Michael Arellano	michael.arellano@cfmmaterials.com	+1 214-988-6676
(multiple) APS2300, (1) GTCP331-350C	Now - Sale / Lease	AirFin	Nick Filce	Nick.Filce@aerfin.com	+44 7770 618 791
(1) GTCP36-300A, (1) GTCP131-9A					
GTCP131-9A, GTCP131-9B, GTCP331-350C	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
GTCP331-500B, GTCP331-200/250,			Rich Lewsley	rlewsley@logix.aero	+44.79.0021.8657
APS3200, APS2300, GTCP85-129H					
APU GTCP 331-500	Soon - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
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					
GTCP131-9A, GTCP 131-9B	Now - Sale / Lease	Werner Aero Services	Julien Levy	jlevy@Wernerero.com	+1 201-674-9999
737-800 Winglets	Now - Sale / Lease				
737-700 & 737-800 Landing Gear	Now - Sale / Lease				
(3) APS 2300	Now - Sale/Lease/Exch.		Mike Cazaz	mike@wernerero.com	+1 201-661-6804
767-300 Winglets, LH-RH P/N 767-0010-5, -6, -7 & -8, SV- Now Sale		Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368