

# AVI TRADER WEEKLY AVIATION HEADLINES

Read by thousands of aviation professionals and technical decision-makers every week

www.avitrader.com

## WORLD NEWS

### Ryanair launches new transfers service

Ryanair has launched Ryanair Transfers, a new transfers booking platform, powered by CarTrawler, allowing Ryanair customers to book the widest range of ground transport including taxis, chauffeur, bus, coach and rail services, all at the lowest prices on the Ryanair.com website. Ryanair Transfers, which is now live on Ryanair.com, gives customers a direct connection to ground transport options across 33 European countries, and is the latest in a series of improvements under Ryanair's "Always Getting Better" programme.

### KLM introduces IFE for blind and visually impaired passengers

Dutch flag carrier KLM now offers films with audio description via its inflight entertainment system aboard intercontinental flights. This will ensure that blind and visually impaired passengers can also enjoy films during their flight. This reflects KLM's ambition to offer passengers memorable experiences when travelling. Audio description is a means of making films and television programmes accessible to blind and visually impaired people. A narrator describes all the visual elements during breaks in dialogue. The narrator describes the characters, facial expressions, their location and plot developments. The service is available aboard all of KLM's Boeing 777 and Boeing 787 aircraft.

### SmartLynx damp lease agreement with Jet2.com

According to the agreement between SmartLynx Airlines Ltd and Jet2.com, SmartLynx will damp lease one A321 to Jet2.com from 15 May until 31 October 2018. The aircraft will operate from its base at Birmingham Airport (BHX), UK.



An A320 pictured in joint NIKI and Air Berlin livery.

Photo: Ken Fielding

## IAG snaps up Austrian carrier NIKI

As a strategic subsidiary for Spanish operator Vueling

The big news over the just ended festive season was the move by International Airlines Group (IAG) to acquire parts of the dissolved Austrian carrier NIKI, following the Lufthansa Group's failure to scoop the airline.

NIKI was a scheduled airline based at Vienna International Airport. The carrier operated domestic and regional services within Austria, Europe and to Egypt. NIKI was founded in 2003 by Austrian aviation entrepreneur Niki Lauda and operated in partnership with Air Berlin until in 2017, Air Berlin PLC filed for insolvency.

IAG announced that it is to buy assets of the Austrian airline, which

was formerly part of the Air Berlin group, for €20 million and provide liquidity to NIKI of up to €16.5 million.

The transaction is being made by a newly formed subsidiary of Vueling which will be incorporated as an

The new company plans to employ approximately 740 former NIKI employees to run the operation.

Willie Walsh, IAG chief executive, said: "NIKI was the most financially viable part of Air Berlin and its focus on leisure

travel means it's a great fit with Vueling. This deal will enable Vueling to increase its

presence in Austria, Germany and Switzerland and provide the region's consumers with more choice of low cost air travel".

IAG says more details about the new subsidiary's branding and route network will be provided in due course, when appropriate.

**"This deal will enable Vueling to increase its presence in Austria, Germany and Switzerland."**

*Willie Walsh, IAG Chief Executive Officer*

Austrian company and run initially as a separate operation. It is subject to customary closing conditions such as the EC competition approval.

The assets include up to 15 A320 family aircraft and an attractive slot portfolio at various airports including Vienna, Dusseldorf, Munich, Palma and Zurich.

Commercial/Military Aircraft Part Sales  
Actively Seeking Aircraft for Teardown



**Reliance Aircraft**  
INTERNATIONAL

thix@relianceaircraft.com  
www.relianceaircraft.com

Nose to Tail Support:  
737, 747, 757, 767, 787  
A300, A310, A320, C130, P3  
QEC for CFM56-7B & -5B

Austin, TX USA  
1-512-439-6988

# YOUR NEW YEAR'S RESOLUTION

With dedicated global Live AOG 24/7/365 coverage, in-house MRO capabilities, global component support as well as engine overhaul capabilities, GA Telesis can offer integrated solutions to ensure your fleet is always flying. Contact our specialists and watch how fast we can come up with a tailor-made solution that is right for you. GA Telesis is your fastest path to success.



**AIRCRAFT & ENGINE NEWS**

**DAE to lease two new Airbus A320 aircraft to Hongtu**

DAE Capital and Yunnan Hongtu Airlines (Hongtu) of China have completed a lease agreement for two new Airbus A320-200 aircraft. These modern, fuel-efficient planes will be delivered in 2018 and are part of a direct order DAE has with Airbus. The aircraft will come equipped with CFM 56-5B4/3 PIP engines. This latest addition to the Hongtu A320 family fleet will assist the carrier as it looks to capitalize on China's increasing domestic demand for leisure and business air travel, offering a high-end, customized service to its passengers. Hongtu currently has a fleet of three Airbus A320 family aircraft and operates flights to 10 domestic destinations.

**AerCap to sell US\$0.8bn aircraft portfolio to Peregrine Aviation Company**

AerCap has signed an agreement to sell a 21-aircraft portfolio to Peregrine Aviation Company (Peregrine), an investment entity established by NCB Capital. NCB Capital has US\$37bn of assets under management and is the brokerage arm of the National Commercial Bank, the largest bank in Saudi Arabia. The 21-aircraft portfolio consists of a mix of wide-body and narrow-body aircraft. As part of the sale, AerCap will provide lease management services to Peregrine and will retain an equity interest in the entity. Sarah Al Suhaimi, Chief Executive Officer of NCB Capital, said "Aircraft leasing is a fast-growing industry that offers a unique and attractive diversification opportunity. We are delighted to have partnered with AerCap, the global leader in aircraft leasing, in this transaction that is the first of its kind in our market."

**Skyworld Aviation wraps up successful 2017**

Skyworld Aviation has ended 2017 with 21 aircraft transactions completed, and three

**ICD rig begins test operations at DLR in Cologne**



ICD Rig Clean Sky2

Photo: MTU

Under the European Clean Sky 2 research program, long-term partners MTU Aero Engines, German Aerospace Center (Deutsches Zentrum für Luft- und Raumfahrt (DLR)), and GKN Aerospace Engine Systems, Sweden have joined forces to enhance an engine's compression system and to make it lighter. The new technologies could already go into the next generation of geared turbofan engines. At the DLR site in Cologne, the test campaign on the ICD rig has now officially kicked off.

ICD stands for Inter Compressor Duct and is the name of the transition channel between the low- and high-pressure compressors. The goal is to precisely fine-tune the interaction of the low-pressure compressor, ICD and high-pressure compressor to identify and leverage new potential for even more fuel-thrifty engines. An important step in this direction is the systematic mapping of the flow conditions in short, steep transition channels (ICDs). To this aim, an entirely new wind-tunnel test rig was built at the DLR Institute of Propulsion Technology in Cologne, MTU's Center of Competence (CoC) for propulsion systems. In a following step, three different ICD configurations will be tested over the course of next year. Based on the ICD rig test results obtained, a two-shaft test rig will be designed in 2019 and built one year later. From 2021 on, the low- and high-pressure compressors will be tested together as one entity.

Launched in 2014, the Clean Sky 2 technology program is part of the EU's Horizon 2020 Framework Program for Research and Innovation and is slated to run through 2024. It is the successor to Clean Sky 1, the European Union's largest-ever aeronautics research program. The overall objective is to make aviation even cleaner and more efficient. MTU is one of 16 lead partners and is responsible for the ICD test rig that has now begun test operations, plus an engine demonstrator. Core partners are the DLR (Deutsches Zentrum für Luft- und Raumfahrt) and GKN Aerospace Engine Systems.

AVITRADER **MRO** Monthly e-magazine

Industry insight, analysis and news. **Get latest edition »**  
Straight to your inbox every month.

Contact us about Advertising Opportunities Jenny Falk - Email: jenny.falk@avitrader.com Phone: +49 (0)8761 346007

**AIRCRAFT & ENGINE NEWS**

further aircraft planned for delivery in the new year, making a total of 547 transactions in total to date. Continuing its success in the ERJ market, the company concluded nine transactions involving ERJ 145's in 2017, five of which were straight sales, three sale and leasebacks, and one lease purchase. Skyworld Aviation has also kept up the momentum on ATR trading, having completed four ATR 42 sale transactions. Additionally, the Saab 2000 type has been prevalent in its activity, with two lease transactions and an associated lease extension with a European customer. A separate contract for the purchase of three Saab 2000's has also been penned for delivery in 2018. Other types traded during 2017 include one A320, one CRJ 200, one Jetstream 31 and two spares transactions, including a CFM 56 engine.

**Babcock International takes delivery of two H175s**

Global offshore service provider Babcock International has taken delivery of two H175s at a ceremony in Darwin, Australia. Babcock's aircraft are the first H175s to be introduced into the southern hemisphere and will be based in Dili, Timor Leste. The new aircraft will be used to transport personnel and provide search and rescue and medevac support in the Timor Sea, approximately 500 kilometers northwest of Darwin. Both H175s were freighted to Australia on a single Antonov cargo plane to secure their quick introduction to service on January 1, 2018. The Airbus team has worked closely with Babcock to train 27 pilots and engineers in the assembly, flight and maintenance of the H175s. Babcock will employ a further 19 Timorese to support the aircraft at their base, including four local engineers who will attend training at Airbus Helicopters' headquarters in France in early 2018.

**AerCap boosts A320neo portfolio by 50 aircraft**

Aircraft lessor AerCap holdings N.V. has upped its A320neo portfolio after signing a firm agreement to buy 50 additional aircraft. This transaction brings AerCap's firm orders for the A320neo Family aircraft to a total of 270, owned and on order. Aengus Kelly, CEO of AerCap said, "As the largest lessor of the A320neo Family aircraft, we have already placed three-quarters of our A320neo Family aircraft from our existing forward order book with Airbus. We have seen significant market

**First SJS100 test flight with saberlets performed successfully**



The first SJS100 test flight with saberlets

Photo: SuperJet International

On December 21, 2017, the Sukhoi Superjet 100 performed its first flight with the installed saberlets, in Zhukovsky. The saber-like configuration of the tips installed on to the Sukhoi Superjet 100 are the result of a number of research, engineering and experimental activities carried out by the Sukhoi Civil Aircraft Company, with the assistance of The Central Aerohydrodynamic Institute (TsAGI).

The geometry of the tips was determined with the implementation of innovative methods of 3-D optimization based on numerical computation known as Computational Fluid Dynamics (CFD) – the unique TsAGI know-how used in Russian aviation industry in particular for Sukhoi Superjet 100 program.

The results of research and experiments showed that the installation of the saber-like tips allows for the simultaneously improvement of the take-off and landing performance and decrease the fuel consumption by not less than 3%. The expected improvement of the take-off and landing characteristics will be obvious for the carriers operating the aircraft at regional runways, and in hot weather conditions, as well as on mountain aerodromes (Hot&High). The end of a full-scale program of ground and flight tests will result in the certification of the SJS100 with the horizontal tips - saberlets - and they will be offered as an option to customers. The installation of the tips is possible not only to new aircraft but to the already delivered aircraft as well.

VASO (Voronezh aircraft manufacturer) is the manufacturer of the saberlets kits; the materials used are certified in Russia as well as abroad.

appetite for these aircraft from our diverse customer base. This transaction is in line with our portfolio strategy of investing in the most in-demand modern technology aircraft in the world."

**Royal Air Maroc selects GEnx engines to power additional Boeing 787 Dreamliners**

Royal Air Maroc (RAM) has chosen the GEnx-1B engine to power its two additional Boeing 787 Dreamliners. This order brings the airline's GEnx-powered 787 Dreamliner fleet to

seven aircraft. The engine order is valued at more than US\$100m at list price.

**LCC Pegasus Airlines orders 25 A321neo ACFs**

Pegasus Airlines, the leading low-cost carrier (LCC) in Turkey, has placed an order for 25 A321neo ACFs (Airbus Cabin Flex configuration). This comes on top of 18 A321neos and 57 A320neos already on order bringing Pegasus Airlines' total firm order to 100 Airbus A320 Family aircraft. Pegasus' decision to

**AIRCRAFT & ENGINE NEWS**

move to an all-Airbus fleet reflects its strategy to grow its domestic as well as its international network with the best middle-of-the-market aircraft available.

**CALC orders 50 A320neo aircraft**

CALC (China Aircraft Leasing Group Holdings Limited), a full value-chain aircraft solutions provider for global airlines, has signed a firm order for 50 A320neo Family aircraft. This latest incremental order brings CALC’s total order book to date to around 200 Airbus single-aisle aircraft. The A320neo Family incorporates the very latest technologies, including new-generation engines and Sharklets, which together will deliver at least 15 percent fuel savings at delivery and 20 percent by 2020. With more than 5,800 orders received from 98 customers, the A320neo Family has captured a nearly 60 percent share of the market.

**GE Aviation announces first run of Advanced Turboprop engine**

GE Aviation’s Advanced Turboprop engine, the first clean-sheet turboprop engine to hit the Business and General Aviation (BGA) market in more than 30 years, successfully completed its first engine test run at GE Aviation’s facility in Prague, Czech Republic, on Friday, December 22. The Advanced Turboprop engine will begin certification testing in 2018. The engine will power Textron Aviation’s new Cessna Denali, which is expected to fly in late 2018. By the time the Denali enters into service, the engine will have completed more than 2000 hours of testing.

**Latvia orders additional helicopters for State Border Guard**

The State Border Guard of Latvia has signed a contract for two AW119Kx single-engine helicopters plus the option for an additional unit, customized configuration and aircrew/maintenance technician training services. The aircraft will be delivered from the Company’s facility in Philadelphia in 2019 and will perform a wide range of missions, including search and rescue (SAR), transport, firefighting and disaster relief; replacing two ageing AB206B JetRangers. This order marks a further expansion of the State Border Guard’s fleet of Leonardo helicopters, adding to two AW109 Power light twins which have been successfully in service for the last ten years. The AW119Kx

**Morocco’s flag carrier Royal Air Maroc expands 787 fleet**



Royal Air Maroc orders four 787-9 Dreamliners

Photo: Boeing

Boeing has received orders for four 787-9 Dreamliners – valued at US\$1.1bn at list prices – that will enable Royal Air Maroc to expand international service. The orders, previously listed as unidentified on Boeing’s Orders & Deliveries website, include two 787s purchased in December 2016, and two purchased this month. Royal Air Maroc, which has already taken delivery of five 787-8s, will grow its fleet of fuel-efficient 787s to a total of nine airplanes. Royal Air Maroc flies 787s on international routes from Casablanca to North America, South America, the Middle East and Europe, and with the additional airplanes plans to expand service to these areas.

was chosen following a thorough assessment of competing types within the framework of the Ministry of the Interior’s helicopter fleet modernization program. The combination of AW109 Power and AW119Kx helicopters will boost the State Border Guard’s mission capabilities and versatility for round-the-clock day/night operations.

**Southwest Airlines exercises 40 Boeing 737 MAX 8 options into firm orders**

Southwest Airlines is increasing its fleet investment with its longtime business partner, Boeing, to support future growth opportunities and fleet modernization. The Company has exercised 40 Boeing 737 MAX 8 options for 15 firm orders in 2019 and 25 firm orders in 2020, and deferred 23 Boeing 737 MAX 7 firm orders from 2019 through 2021 to 12 firm orders in 2023 and 11 firm orders in 2024. The Company’s 2018 available seat mile growth plans remain unchanged.

**Air Astana takes delivery of first Airbus A321neo**

Kazakh flag carrier Air Astana, has taken delivery of the first A321neo at the Airbus facility in Hamburg, Germany. The aircraft is on an operating lease from AerCap, with the deal including two further A321neo and one A320neo aircraft for delivery planned in 2018. The Air Astana A321neo is configured with 28 Business Class and 151 Economy Class seats, all of which are equipped with personal IFE systems. The A321neo is powered by the latest-generation Pratt & Whitney engines, which together with aerodynamic improvements, make it the quietest aircraft in its class and also delivers fuel consumption 15% lower than the previous model. The cabin features larger overhead-bin capacity and a new mood-lighting system with LED technology. The aircraft will be operated on Air Astana’s network of domestic and regional routes. Air Astana currently operates 13 A320 aircraft and one A320neo, which was delivered in 2016. The carrier plans to increase the fleet of A320neo Family aircraft to 17 by 2020.

MRO & PRODUCTION NEWS

**Spirit AeroSystems develops new composites manufacturing technology**

Spirit AeroSystems has released that its Advanced Technology Centre in Prestwick, Scotland, has developed an improved method for manufacturing composite parts. In collaboration with the University of Strathclyde and the Scottish Innovation Centre for Sensor and Imaging Systems (CENSIS), Spirit developed an intelligent heated tool for curing composite components. The new technology can cure composite parts 40 percent faster, at half the cost, and supports a wide range of composite components across industries, from wind turbine blades to the next generation of composite aircraft.

“Instead of curing components at a standard temperature for hours at a time, we can now tailor the cycle time to match individual part geometries,” Stevie Brown, lead engineer at Spirit’s Advanced Technology Centre in Prestwick, explained. “The autoclave has been a bottleneck in manufacturing lines, and removing it will reduce cycle times for components, cut production costs and decrease energy consumption.” Typically, high-performance composite materials are layered on a specially formed surface, or tool, and then placed in an autoclave, where a combination of heat and pressure accelerate the hardening of the material. Spirit’s new technology introduces an intelligent, multi-zone heated tool, removing the need for an autoclave. The tool enables complete control of the curing process through real-time monitoring and feedback. CENSIS supported the collaboration with funding and provided project management expertise. The University of Strathclyde provided technical support and developed the control algorithm and software for the intelligent tool. The collaboration will continue through 2018, and Spirit has already begun applying the technology in research and manufacturing projects.

**MAC Aero Interiors gains S9100 certificate**

MAC Aero Interiors has gained AS9100 certificate meeting high-quality system requirements in the aerospace industry. AS9100 is the standardized model quality management system certified by Lloyds Register Quality Assurance, which has issued the certificate confirming MAC Aero Interiors to be compliant with this internationally recognized quality standard. Following-on from the recent AS9100 certification, MAC Aero Interiors hosted a team of three assessors from Airbus GmbH & Airbus Operations UK. The visitors carried out the Airbus Industrial Process

**Airbus, Indigo Partners finalize orders for 430 A320neo Family aircraft**



Indigo Partners A320 Family

Photo: Airbus

Airbus has finalized agreements with Indigo Partners and its four portfolio airlines for the purchase of 430 additional A320neo Family aircraft for ultra-low-cost airlines Frontier Airlines (United States), JetSMART (Chile), Volaris (Mexico), and Wizz Air (Hungary). The signed purchase agreements follow a Memorandum of Understanding among the parties announced at the Dubai Air Show last month. The 430-aircraft order is made up of 274 A320neos and 156 A321neos, worth \$49.5bn at list prices. Airlines in the Indigo Partners family had previously placed orders for a total of 427 A320 Family aircraft.

Control Assessment (IPCA+) with the focus on controlling the processes during the production of Airbus products, supported by Supply Chain and Operations areas.

**Rockwell Collins large-format flight display upgrade for Boeing 767 certified in Europe**

Rockwell Collins has reported that its large-format flight display upgrade for Boeing 767 aircraft has received European Aviation Safety Agency (EASA) type certification. The upgrade and certification were completed for Star Air through a collaborative effort between Rockwell Collins, Boeing, Atlantic Aviation Group and L2 Aviation. The new 767 and 757 flight display system, also certified by the Federal Aviation Administration, brings a series of innovative technologies that dramatically enhance situational awareness, improve reliability five-fold, decrease line maintenance actions by 80 percent, provide positive return on investment, and decrease avionics weight. All this, plus mitigating Cathode Ray Tube

(CRT) obsolescence challenges, positions the aircraft for future airspace evolutions.

**Liebherr Aerospace Brasil certified by Nadcap**

Liebherr Aerospace Brasil has received two certifications by the authority of the Nadcap Management Council for Non-Destructive Testing and Chemical Processing. Liebherr Aerospace Brasil, Guaratinguetá (Brazil) was successfully audited by the Performance Review Institute (PRI), which administers Nadcap (National Aerospace and Defense Contractors Accreditation Program) – an independent organization that certifies manufacturing processes for the industry.

Liebherr-Aerospace has invested in its facility in Brazil in order to offer its customers high-quality products that fully comply with the certified processes and standards. The company has deployed comprehensive facilities for non-destructive tests, and has built a state-of-the-art infrastructure for surface treatment,

**MRO & PRODUCTION NEWS**

which both enable it to meet its customers' strict standards and specifications. Beside the Non-Destructive Testing certificate, which is valid until October 2018, and the Chemical Processing certification with its validity until January 2019, Liebherr Aerospace Brasil is an AS9100-Rev.C (NBR 15100:2010)- and ISO 14001:2015-certified organization.

**FL Technics lands 2 new clients from Lufthansa Group: Germanwings and Swiss International Air Lines**

FL Technics, a global provider of integrated aircraft maintenance, repair and overhaul services, has announced signing agreements with two Lufthansa Group carriers – Germanwings and Swiss International Air Lines. FL Technics has signed a contract with Germanwings for the provision of base maintenance services. The contract with the European carrier is an anticipated result after having launched new base maintenance management practice, bringing FL Technics production services to the next quality level. The first three out of five aircraft have already landed for C- and D-checks. Germanwings GmbH is a German low-cost airline based in Cologne. The carrier operates a fleet of 45 Airbus A319/320 aircraft, and is a subsidiary of Lufthansa Group.

Another prominent Lufthansa Group carrier to have recently signed a cooperation agreement with FL Technics is Swiss International Air Lines. The five-year-long agreement covers base maintenance, engineering and DOA services. Its first aircraft has already arrived at FL Technics for a window frame replacement.

**KLM UK Engineering and West Atlantic UK sign contract for airframe maintenance**

An AFI KLM E&M subsidiary has signed an airframe maintenance contract for 2018 with West Atlantic UK. A European leader in the regional jets and narrow body aircraft market and having an internationally acknowledged expertise on the Boeing 737, Embraer

**EgyptAir converts Letter of Intent to firm order for Bombardier C Series aircraft**



EgyptAir signs firm order for 12 CS300 aircraft from Bombardier

Photo: Bombardier

Bombardier Commercial Aircraft and EgyptAir Holding Company have executed a firm agreement for the sale and purchase of 12 CS300 aircraft, along with purchase rights for an additional 12 CS300 aircraft.

EgyptAir's Letter of Intent (LOI) was previously announced on November 14, during the 2017 Dubai Air Show. Based on the list price of the CS300 airliner, the firm-order contract would be valued at approximately US\$1.1bn.

170/190, BAe146/Avro RJ, Fokker 70/100 & Airbus A320 Family, KLM UK Engineering has confirmed its contract with West Atlantic UK. Airframe maintenance checks with West Atlantic UK will commence on their Boeing 737 Freighter fleet in January 2018.

**Magnetic MRO acquires major pool of 737-800 aircraft and engines**

Magnetic MRO, a Total Technical Care maintenance and asset management organization, completed the acquisition of a package of four Boeing 737-800 airframes and ten CFM56-7B engines. The pool of assets was acquired

by a newly established asset vehicle called Magnetic Parts Trading Limited, a joint venture between Magnetic MRO and Crestline Investors. Crestline Investors is supporting the transaction with the majority of capital needs, whereas Magnetic MRO acts as exclusive asset manager for the joint investment vehicle. This is the first major acquisition of the newly established structure, with more significant projects planned for 2018-2020. "Three years ago, Magnetic MRO changed its strategic positioning from being a labor-intensive maintenance facility to more technology, know-how, and capital driven aviation service organization. We made a number of steps in the areas of technological differentia-



**NATIONAL AERO STANDS**  
 The World Leader in Engine Stand Leasing  
 proudly brings you the **FIRST**  
**Trent 800 Rollover Stand**  
 for **LEASE!**

www.stands.aero | 305.558.8973 | support@stands.aero



## MRO & PRODUCTION NEWS

tion and broad know-how of managing complex asset projects. This latest acquisition of a major package of current generation assets, together with our financial partners Crestline Investors, marks another significant step for Magnetic MRO in executing our strategic direction. We aim to become a strong value-adding partner not only to the historical pool of airline customers, but also to the asset owners and financial investors in the aviation industry.”

### Monarch Aircraft Engineering signs base maintenance contract with La Compagnie

Monarch Aircraft Engineering (MAEL) has signed a new base maintenance agreement with La Compagnie. The French airline is a returning customer for MAEL who will carry out a C check in its Luton, London hangar. The heavy maintenance on a Boeing 757 will start in February 2018.

### C&L Aerospace signs distributor agreement with Champion Aerospace

C&L Aviation Group has announced that its aircraft parts company, C&L Aerospace, has signed an agreement with Champion Aerospace, a wholly owned subsidiary of TransDigm Group, to serve as a distributor of the company's turbine ignition products, which include igniters, exciters and leads for all general aviation aircraft types supported by C&L. The new agreement widens C&L's engine product offerings and adds to the growing list of OEM factory-new parts offerings.

### FL Technics completes major aircraft modifications for the fifth Airbus A321

FL Technics has already completed a major upgrade project for the fifth Airbus A321 in 2017. The latest modification comprised fundamental equipment and furnishing changes in cargo compartment, including the removal of ACT in the AFT cargo hold and the installation of a semi-automatic cargo loading system to both cargo compartments. The passengers' compartment had to be reconfigured by modifying monuments and adapting seat layout. The newly installed ventilation and heating system in the AFT cargo compartment allows for safe animal transportation. Another significant part of this project was the installation of a wireless ground link quick access recorder designed to provide quick and easy access

to raw flight data. Now the operator no longer needs to physically download data from FDR. Instead, such data will be automatically sent to the operator's data-server upon aircraft arrival to the airport.

### Triumph expands space applications with contract for Dream Chaser Spacecraft landing gear system

Triumph Group has released that its Integrated Systems business unit will provide the landing gear system for the Dream Chaser® spacecraft, a reusable, lifting-body vehicle in support of NASA's Commercial Resupply Services 2 (CRS2) program that will resupply the International Space Station. The contract for work was signed with Sierra Nevada Corporation (SNC), and includes the main and nose landing gear, as well as integrated actuation solutions for the landing gear and gear door systems manufactured at Triumph's Redmond, Washington site. Triumph Integrated Systems previously partnered with SNC to provide consulting services for the Commercial Crew Integrated Capability (CCiCap) program with NASA, also in support of the space station. In addition, the company also provides high-precision miniature motors to support robotic satellite demonstration missions.

### StandardAero awarded five-year contract to provide APU MRO services for PSA Airlines

StandardAero has been awarded an exclusive, five-year contract to provide Honeywell RE220 and Honeywell 36-150RJ model auxiliary power units (APUs) maintenance repair and overhaul services/support for PSA Airlines' fleet of CRJ 700/900 and CRJ200 aircraft. The airline currently operates 121 regional aircraft, with plans to grow to 150 aircraft in the coming years. The contract secures StandardAero as the exclusive MRO partner through July, 2022. APU services will be provided at StandardAero's Maryville, TN facility. PSA Airlines is a wholly owned subsidiary of American Airlines Group and operates an all-jet fleet consisting of exclusively Bombardier regional jet aircraft.

### IAC underway with Air Wisconsin livery transition program

IAC (International Aerospace Coatings) is well underway with Air Wisconsin Airline's CRJ-200 livery transition program. The project, which began in September at IAC's Fort Worth, Texas facility, encompasses the painting of 65 Bombardier CRJ-200 regional jets from its previous brand, into the United Express livery over a

short-term period. This transition is part of Air Wisconsin's new long-term contract with United Airlines. In addition to exterior painting, IAC has been working in conjunction with Air Wisconsin to rebrand the interiors. The Fort Worth location, acquired by IAC in 2011, was specifically chosen to perform the work because of the existing infrastructure and back shops to support the interior modifications. In the few months that the program has been operating, IAC has successfully met a condensed turn-around time of the combined interior and exterior work scopes of 14 days.

### Embraer signs pool program contract with Widerøe for E-Jets E2

Embraer and Widerøe, the largest regional airline in Scandinavia and launch customer for the E190-E2, have reached an agreement on a Flight Hour Pool Program for the airline's soon-to-be inducted E2 fleet. This is the first contract of its kind signed for the E-Jets E2, Embraer's second generation of the E-Jets family of commercial aircraft. The agreement will cover more than 300 key rotatable components for the airline's E190-E2 fleet. Widerøe will receive its first E190-E2 in April of 2018, beginning revenue service with the aircraft shortly afterwards. Widerøe's contract with Embraer is for up to 15 E2 jets, consisting of three firm orders for the E190-E2 and purchase rights for 12 further E2s. The order has a potential list price value of up to US\$873m, with all orders being exercised. The airline is configuring the E190-E2s in a comfortable single-class layout with 114 seats.

### Aeroco Group announces new facility

Aeroco Group International, a leading specialist in aircraft component maintenance, has significantly expanded its operations with a brand new 20,000 ft<sup>2</sup> state-of-the-art facility. Due to be completed and operational by the middle of this year, the new premises will complement Aeroco's existing facility at Manchester Airport and will incorporate industry-leading aircraft component maintenance and advanced manufacturing services. The new facility will provide Aeroco with 100% capacity growth to support their increasing customer base of airlines, leasing companies, MRO's and component traders. Once operational, the new facility will create new jobs across all areas of the business.

**FINANCIAL NEWS**

**Bombardier targets revenues of US\$17.0bn to US\$17.5bn for 2018**

Bombardier has released its 2018 guidance, and confirmed that its five-year turnaround plan remains on track. The Company also affirmed its 2017 guidance, as revised with the announcement of its third-quarter 2017 results. For 2018, Bombardier is targeting revenues in the range of US\$17.0bn to US\$17.5bn, which represents a year-over-year increase of approximately US\$1.0bn over 2017 guidance, at the mid-point of the range. This growth is expected to be driven by the ramp-up of key projects at Bombardier Transportation and higher C Series aircraft deliveries.

With the Company's transformation efforts driving stronger performance across the portfolio, EBITDA before special items for 2018 is anticipated to be in the range of US\$1.15bn to US\$1.25bn. For the same year, EBIT before special items is anticipated to be between US\$800m and US\$900m, representing an improvement of approximately 20% over 2017 guidance, at the mid-point of the range, assuming the adoption of IFRS 15 standards.

Bombardier is targeting to achieve free cash flow breakeven in 2018, plus or minus US\$15m, mainly driven by improving working capital investments, and lower development costs, as the Company's heavy investment cycle comes to an end, with the Global 7000 expected to enter service in the second half of 2018. Break-even free cash flow represents an improvement of approximately US\$1.0bn over Bombardier's 2017 guidance.

Over the next three years, the Company's objective is to grow revenues by US\$4.0bn, which represents a 7% compound annual growth rate. Over the same period, Bombardier's objective is to more than double EBITDA, before special items, to more than US\$2.25bn, and to achieve EBIT, before special items, in excess of 8%, or US\$1.6bn. The Company also aims to deliver free cash flow of US\$750m to US\$1.0bn by 2020. Following the closing of its C Series partnership with Airbus, Bombardier will deconsolidate the C Series program. While 2018 guidance assumes the continued consolidation by the Company of the C Series program for the

entire year, 2020 objectives reflect the deconsolidation of the C Series program. Should the closing of the C Series partnership with Airbus occur before the end of 2018, the resulting deconsolidation will have an impact on the Company's reported results.

**Amedeo completes management buyout of majority investor**

Amedeo, an asset manager and a principal investor focused on wide-body aircraft leasing, has completed a management buyout of its majority shareholder Pine Brook, a private investment firm focused on building businesses in the energy and financial services sectors. Financial terms of the private transaction were not disclosed. Amedeo's four-year partnership with Pine Brook saw significant growth in the business, with assets under management growing from US\$1bn to US\$5bn. During that period, the Company established Amedeo Air Four Plus (AA4P), a London Stock Exchange-listed company with a market capitalization of approximately GB£675m (US\$904m). AA4P is a transparent, income generative, and diversified investment company backed by UK institutional investors. Amedeo arranges acquisition and disposal of aircraft for AA4P and provides asset management services.

**Socomore acquires Sea to Sky Innovations**

Socomore has reported the acquisition of Sea to Sky Innovations. Sea to Sky is especially oriented towards water-based paint strippers for aviation and infrastructure. The company's manufacturing facility and headquarters are based in Burnaby, near Vancouver, BC with sales offices in Asia and Europe. Frederic Lescure, CEO of Socomore said: "We are pleased to welcome the Sea to Sky team to Socomore. With this acquisition, our customers will benefit from a more complete range of paint strippers, particularly in the general aviation and infrastructure markets. We are furthermore strengthening our worldwide manufacturing foothold with a very effective manufacturing facility on the North American west coast". Sea to Sky will complement Socomore's North American presence which includes Dysol Inc. in Fort Worth, Texas, and MagChem in Montreal, Quebec, Canada.

Sea to Sky's strong customer relationships and experienced team perfectly fit Socomore's consolidation strategy in surface-focused specialty chemicals for aerospace and high-performance industrial markets.

**Magnetic MRO expands into Asia with share sale to Guangzhou Hangxin Aviation Technology**

The global Total Technical Care maintenance and asset management organisation, Magnetic MRO, together with existing shareholders, including majority shareholder BaltCap, have agreed to sell 100% of shares in Magnetic MRO to Guangzhou Hangxin Aviation Technology (Hangxin.)

According to Magnetic MRO CEO Risto Mäeots, "Magnetic MRO management has been actively looking for opportunities to expand into Asia, the highest growth market in aviation. Hangxin, with its existing geographical presence and service portfolio, is complementary to Magnetic MRO, creating substantial synergies and new business opportunities."

Mäeots added: "We are very pleased to welcome Magnetic MRO to the Hangxin team. Magnetic MRO and its team have developed a high quality, reliable, customer-focused MRO business," said Mr. Lv Haibo, the Vice President of Hangxin. "We fully support the existing strategy and executive management team, and will support Magnetic MRO's focus on continuing to deliver value to its existing customers, and expanding its global MRO presence."

During the past five years, Magnetic MRO has expanded from a labor-intensive maintenance facility into a technologically advanced, innovative, know-how and capital-driven service and asset management organization. The company has grown by launching new business units, opening new facilities and securing numerous long-term agreements with major carriers. Magnetic MRO sales increased exponentially in 2010-2017 and is anticipated to continue to grow at the same rate over the forthcoming years.

Hangxin was founded in 1994, providing technical solutions in the field of aircraft engineering and safety to the Chinese aviation industry. The company currently serves over 50 airlines in Asia, the Middle East, Europe and North America.



Aircraft Engineering

50 years of excellence



Monarchaircraftengineering.com | engineering@monarch.co.uk



MILITARY AND DEFENCE

**Embraer KC-390 achieves initial operational capability**

The new Embraer KC-390 military transport and aerial refueling jet completed a relevant milestone December 20, with Embraer demonstrating the attainment of the Initial Operational Capability (IOC) to the Brazilian Air Force (FAB).

The achievement of the IOC ensures the necessary conditions have been met for the aircraft to start operations, in accordance with the scope agreed upon with the FAB. As part of the IOC, Embraer obtained a KC-390 Provisional Type Certificate from the Brazilian National Civil Aviation Agency (ANAC), which is a testament to the adequacy of the design in fulfilling the demanding certification requirements for transport aircraft. To date, the tests campaign has accumulated more than 1,500 flight hours with two prototypes, and more than 40,000 hours of laboratory testing of the aircraft's various systems. The structural tests campaign is nearing completion, with only the full-scale fatigue test remaining.

According to the schedule, in 2018, the final Type Certificate will be issued by ANAC. Additionally, in-flight tests of various military functionalities will be completed, including the remaining aerial refueling and cargo dropping tests, to fulfill the requirements to receive the final military certification of the aircraft with the achievement of the Final Operational Capability – FOC. The delivery of the first series aircraft to the FAB is scheduled to take place in 2018.

**First Tiger HAD retrofit delivered to French Army Aviation**

Airbus Helicopters has delivered the first Tiger retrofitted into the HAD version to the French Army Aviation, after having previously completed its formal acceptance process with the French Defence Procurement Agency (DGA). This retrofit from the HAP to the HAD version involves performing over 100 airframe modifications and installing over 1500 new parts and 250 electrical cables. Compared with the

**United Arab Emirates orders five Airbus C295 aircraft**



The United Arab Emirates Air Force & Defence has ordered five Airbus C295 aircraft

Photo: Airbus

The United Arab Emirates Air Force & Air Defence has ordered five Airbus C295 medium transport aircraft. The agreement, announced at the Dubai Airshow, takes the C295 orderbook past 200. The aircraft will serve with the UAE Air Force, replacing the existing CN235s still in operation. Deliveries will begin in the fourth quarter of 2018. Orders for the C295 in the Middle East and North Africa (MENA) region now total 51.

previous HAP version, the HAD Tiger benefits from an increased maximum take-off weight (MTOW), and is equipped with two new enhanced MTR 390 E engines and with a new STRIX roof mounted sight system complete with a laser designator that allows the Hellfire II air-to-ground missile to be fired. This retrofit is the first of 36 retrofits from HAP to HAD ordered by the French Ministry of Defence.

For this Tiger retrofit program, Airbus Helicopters has set up a new industrial organization, combining both teams from its Military Support Center France and from its Tiger serial production Final Assembly Line.

OTHER NEWS

Effective January 1, 2018, **Lufthansa Technik AG** is the new training organization for approximately a dozen young people who are currently in training programs at **Air Berlin Technik**. As a consequence, all of Air Berlin's aircraft mechanic and avionics trainees who began their training in 2015, 2016 or 2017 will have the opportunity to conclude their training programs in their desired professions. Lufthansa Technik and the **United Services Trade Union ver.di** came to this agreement after the new owner of Air Berlin Technik announced that it was not continuing the company's training programs. With these new trainees, the total number of people in traditional or dual-study training programs with the **Lufthansa Technik Group** in Germany

**Quantum Control**  
MRO & Logistics Software Solutions

Deployed by more than 1,500 aviation companies in over 60 countries

Visit [www.componentcontrol.com](http://www.componentcontrol.com) to find out more

PASSENGER STATISTICS - DECEMBER

- **Ryanair** has released December traffic statistics with traffic growth of 3% compared to the previous year. The load factor for December was up 1.0 points to 95%.
- **easyJet's** December traffic was up 5.5% compared to December 2016 and the load factor for the month was up 1.5 points to 91.4%. There were 580 cancellations in December 2017 (vs 330 in December 2016).
- **Norwegian** reported that December traffic and capacity was up 32% compared to the previous year. The load factor was 84.6%, the same as December 2016.
- **Delta Air Lines** today reported operating performance for December 2017. Total System traffic for the month was slightly down, 0.4%, while capacity increased 0.9% compared to December 2016. Total System load factor decreased 1.1 points to 84.2% compared to the previous year.
- **IAG** traffic in December increased by 6.1% versus December 2016 while Group capacity rose by 4.0% compared to December 2016. Group load factor was up 1.6 points to 80.8%.

OTHER NEWS

will rise to just under 600. Lufthansa Technik and Lufthansa Technical Training are currently working on the contracts and training contents needed for taking over the trainees in Dusseldorf and Frankfurt, and look forward to working with them in the new year.

**Delta** and **U.S. Customs and Border Protection** are launching the latest test project at **Hartsfield-Jackson Atlanta International Airport**, that aims to enhance the customer experience, add to Delta's biometric pilot projects across the network, and make boarding seamless for customers and gate agents alike. At gates E10 and E12, customers will be able to use facial recognition to board flight DL82 from Atlanta to Paris. Customers can opt-in to participate — if they opt-in, they simply approach the camera as their picture is taken, receive their confirmation receipt and board the flight. The test will also allow agents to more easily engage with customers during the boarding process. The experience is planned for expansion to multiple daily flights as testing continues. This test is a natural next step for gates E10 and E12, where customers are already participating in a Biometric Exit test with Customs (CBP) when boarding the aircraft, which launched earlier this year.

**Lufthansa** has welcomed the approval of about 80% of the members of the German Airline Pilots Union "**Vereinigung Cockpit**" (**VC**) with regard to the signed collective labor agreements. Thus, long-term stable labor relations could be reached. Among others, the parties have agreed on a framework collective agreement and a new remuneration agreement, as well as agreements on pension and transitional payments lasting until June 2022. The new contracts will result in a structural overall cost saving of 15% of staff costs in the cockpit – before wage increases to be paid in the future. The deadline for the vote expired at 12pm, December 14. At the same time, Lufthansa and Vereinigung Cockpit agreed to operate a minimum of 325

aircraft with pilots from **Lufthansa**, **Lufthansa Cargo** and **Germanwings** by the end of 2022. This will create far-reaching future and career prospects for the pilots. Moreover, junior pilots will be employed from the afore-mentioned airlines with immediate effect, and should number more than 500 in 2018.

Los Banos, Manila-based technical services organization, **Wingbox Aviation**, has chosen **Commsoft's** MRO IT system, OASES, to support its diversifying fleet technical management operations. Currently supporting over 130 aviation operations in more than 55 different countries, OASES is one of the most successful aviation engineering and maintenance systems, combining a very high level of technical sophistication with an intuitive user interface. Designed by engineers for engineers, OASES is structured in a modular format to allow for scalability, and Wingbox Aviation has contracted for the Core, Airworthiness, Planning, Materials and Line Maintenance Control modules.

**Israel Aerospace Industries (IAI)** board of directors has approved IAI's CEO and President, Joseph Weiss' proposal to implement a structural transformation. The main initiative implemented under the transformation is the establishment of a single aviation group for all IAI's aviation businesses. Currently, IAI is structured in six independent groups, each with a turnover of several hundreds of millions of dollars. The new group will focus on four business lines: aircraft development and manufacturing; development and production of aviation assemblies; aircraft conversion and enhancement, and aircraft maintenance. Yossi Melamed, Executive Vice President & General Manager of **Bedek Aviation Group** has been named General Manager of the new group.

**Fraport Brasil** (a wholly owned subsidiary of **Fraport AG**) began operations on January 2<sup>nd</sup>, at Fortaleza's Pinto Martins International Airport (FOR) and Porto Alegre's Salgado Filho International Airport (POA). The operational takeover follows the completion of the required joint

transition period with Infraero, the state-owned authority that previously ran both airports. Fraport AG won the FOR and POA concessions in March 2017 during a public auction of four airports under Brazil's third round of airport privatizations. Some BRL 600 million (US\$185 million) is expected to be invested at each airport for infrastructure improvement and development projects during the corresponding concession periods. The Fraport Brasil Fortaleza operating company has been established to run the FOR concession in the federal state of Ceará for 30 years, while Fraport Brasil Porto Alegre has been created for the 25-year POA concession in Rio Grande do Sul. Both airports are located about 3,200 km by air (4,200 km by car) from one another along the Atlantic seaboard of Brazil.

INDUSTRY PEOPLE



Jim McMillen

• TMSaero has announced the addition of **Jim McMillen** to the company. McMillen's 50+ year career in aviation has covered all aspects of jet propulsion from design, development, operation, and maintenance to buying, selling, and leasing. He has worked with three different engine manufacturers (Rolls-Royce, GE and CFM International), three different airlines (Eastern, National, and Pan Am) and he was President of the JT8D overhaul facility, AeroThrust, for 20 years. In addition, since his retirement from AeroThrust, McMillen has served as Chairman of TES in Wales and CTS in Florida, guiding those companies to successful transitions to new ownership through improved performance. McMillen's vast experience and expertise provides an additional dimension to TMS Aero's offerings to include business management advisory services.

INDUSTRY PEOPLE



Richard Longely

- **Richard Longely** has joined C&L Aerospace as a Regional Sales Manager to lead its ERJ 145 program. Longely brings with him over 20 years of aviation experience, most recently as Director of International Sales for ATCO/LanAir where he led the company's expansion on a global basis, and developed PMA supply chain solutions for airline fleets. Prior to ATCO, Longely was with Textron Lycoming, a leader in aircraft piston engines, as Manager of Market Analysis.



Stewart R. Cordner

- **Geir Karlsen** is Norwegian's new Chief Financial Officer (CFO). Karlsen comes from the position as Group CFO at the London-based shipping company Navig8 Group. He has extensive experience with listed companies within shipping and offshore. Norwegian's acting Chief Financial Officer **Tore Østby** continues in the Group Management in a new position, as Executive Vice President Strategic Development. Furthermore, **Kurt Simonsen** has been appointed as new CIO. Simonsen has long and broad experience from major change and digitization processes and has, during the past 17 years, been a partner and co-owner of the consulting company Infocom Group AS.

- TrueNoord, the regional aircraft lessor, has appointed its General Counsel, **Joram Lietaert Peerbolte**. Peerbolte joined the expanding team in November 2017 and his primary responsibilities will be to manage the delivery of in-house legal advice and liaise with all global legal advisers. He will provide guidance and support to the Company in the execution and administration of aircraft acquisitions and sales, aircraft operating leases, and associated finance transactions. Prior to joining the TrueNoord team, Peerbolte worked in the London, Paris and New York offices of Sullivan & Cromwell.

- Delta Air Lines has promoted **Rahul Samant**, Chief Information Officer, to Executive Vice President, reporting directly to Delta's CEO, Ed Bastian effective Jan. 1. Prior to joining Delta, Samant served as AIG's Chief Digital Officer, responsible for internal- and external-facing web, mobile and social assets, and harmonizing efforts

Recommended Events



**Operating Lease Seminar 2018**

March 20, 2018 - Hilton Garden Inn Hotel, Dallas

**Aircraft Records & Total Asset Management Seminar 2018**

April 18, 2018 - Gibson Hotel, Dublin, Ireland

**Technical Aspects of a Leased Asset 2018**

June 5, 2018 - Jury's Inn Hotel, Prague

**Maintenance Reserves Seminar 2018**

June 6, 2018 - Jury's Inn Hotel, Prague

[Click here for more aviation events](#)

across contact centers, social media, the Internet and the company's intranet. Samant also led AIG's captive IT unit in Manila and managed the company's use of vendor resources overseas.

- Based at the BAE Systems London head office, **Karin Hoeing** will become a member of the Executive Committee and report to Chief Executive, **Charles Woodburn**. Karin joins BAE Systems from Schlumberger, the multi-national oil services company, where she was President, Wireline, responsible for leading one of the company's major international business divisions. Prior to her appointment as President, Wireline, Karin held a number of senior HR, marketing, technology and line management leadership positions across Europe, the Middle East and Asia, during a career spanning more than 20 years at the company.

- AJW Group has appointed **Han-Ley Tang** as Chief Information Officer. Han-Ley took up the new role on January 3, 2018, reporting directly to **Christopher Whiteside**, President and CEO of AJW Group, and will be a member of the executive leadership team. As CIO, Han-Ley will be accountable for leading AJW's global IT functions, focusing on driving performance and digital transformation. A new role based at AJW's headquarters in the UK, he will assume responsibility for ensuring AJW continues to leverage technology in support of the company's long-term strategic plan.

AVITRADER

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:  
editor@avitrader.com

### Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	ORIX Aviation	CFM56-5B5/P	2385	2005	Q1/2019	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 871774524
A320-200	Castlelake	V2527-A5	2288	2003	Q4/2018	Lease	Michael Hackett	michael.hackett@castlelake.com	+44 20 7190 6120
A320-200	Castlelake	V2527-A5	2161	2003	Q4/2018	Lease	Michael Hackett	michael.hackett@castlelake.com	+44 20 7190 6120
A340-300	GA Telesis	CFM56-5C4	433	2001	Q1/2018	Sale	Kevin Milligan	kmilligan@gatelesis.com	+1 954-676-3111
A340-300	GA Telesis	CFM56-5C4	541	2003	Q1/2018	Sale	Kevin Milligan	kmilligan@gatelesis.com	+1 954-676-3111
B737-300	Aersale	CFM56-3	27707	1995	Now	Sale / Lease	Craig Wright	craig.wright@aersale.com	+1 305 764 3238
B737-300	Aersale	CFM56-3	27926	1995	Now	Sale / Lease	Craig Wright	craig.wright@aersale.com	+1 305 764 3238
B737-400	Safair Operations	Freighter	East Africa		Dec 2017	ACMI only	C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
B737-400	Aersale	CFM56-3C1	24688	1990	Now	Sale / Lease	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238
B737-400	Aersale	CFM56-3C1	25417	1991	Now	Sale / Lease	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238
B737-800	ORIX Aviation	CFM56-7B26	34701	2006	Q1/2018	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 871774524
B737-800	ORIX Aviation	CFM56-7B24E	40287	2012	Q1/2019	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 871774524
B737-800	Aersale	CFM56-7B26	32917	2002	Q1/2018	Sale / Lease	Sally Browne	Sally.Browne@aersale.com	+353 86 021 4841
B737-800	Aersale	CFM56-7B26	32624	2001	Q1/2018	Sale / Lease	Sally Browne	Sally.Browne@aersale.com	+353 86 021 4841
B737-800	World Star Aviation Services	CFM56-7B26	32604	2002	Now	Lease	Paulo Bettencourt	pbettencourt@worldstaraviation.com	+1 415-956-9454
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
B747-400	GA Telesis	RB211-524	26637	1992	Now	Sale	Eddo Weijer	eweijer@gatelesis.com	+1 954 676 3111
B747-400	GA Telesis	PW4000	29950	2000	Now	Sale	Stuart Weinroth	sweinroth@gatelesis.com	+1 954 676 3111
B747-400BCF	Jet Midwest	PW4056-3	27044	1990	Now	Sale / Lease	Kevin Lee	aircraft@jetmidwest.com	+1-310-652-0296
B757-200F	Aerolease	RB211	22211		Now	Sale / Lease	Tim Corley	tcorley@aerolease.com	+1 (360) 870-9172
B757-200F	Aerolease	RB211	22611		Now	Sale / Lease	Tim Corley	tcorley@aerolease.com	+1 (360) 870-9172
B777-200ER	GA Telesis		28999		Now	Sale	Stuart Weinroth	sweinroth@gatelesis.com	+1 954 676 3111
B777-200ER	GA Telesis		28523		Now	Sale	Stuart Weinroth	sweinroth@gatelesis.com	+1 954 676 3111
DC8	Aersale	No engines	46094	1969	Now	Sale	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238

### Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200LR	Regional One	CF34-3B1	7484	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10246	2006	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10029	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
CRJ-900LR	Regional One	CF34-8C5	15057	2005	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
DASH8-311	Regional One	PW123B	323	1992	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
Dornier 328-300	Regional One	PW306B	3145	2000	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
Dornier 328-300	Regional One	PW306B	3185	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
ERJ-170LR	AerFin	CF34-8E	170012		Now	Sale / Lease	Mark Dunnachie	mark.dunnachie@aerfin.com	+44 2920 109 898
ERJ-145	Regional One	AE3007A1P	145291	2000	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
SF340B	Jet Midwest	CT7-9B	320	1992	Now	Sale / Lease	Kevin Lee	aircraft@jetmidwest.com	+1-310-652-0296

#### Aircraft Parts eMarketplace



Browse Parts from  
over 3,000 Vendors on

**StockMarket.aero**

Visit [www.StockMarket.aero](http://www.StockMarket.aero) to get started ▶

Mobile App Available on iPhone & Android ▶



Component solutions you can trust with the world's  
most powerful independent rotatable inventory

[www.gatelesis.com](http://www.gatelesis.com)



### 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>					
(1) AE3007A1	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(3) AE3007A1P	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
(2) AE3007	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1 954 676 3111
<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				
(1) CF34-10E5A1	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF34-3B1	Now - Sale				
(1) CF34-8C5/B1	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CF34-8E	Now - Sale / Lease	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 2920109898
(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
(1) CF34-10E7	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
<b>CF6 Engines</b>					
(1) CF6-80C2B1F	Now - Sale / Lease	AerSale, Inc.	Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(1) CF6-80C2A5	Now - Sale / Lease		Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(1) CF6-80C2B6F	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) CF6-80C2B7F	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) CF6-80C2B7F	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(5) CF6-80C2B1F	Now - Sale			aircrafttrading@gatelesis.com	
<b>CFM56 Engines</b>					
(1) CFM56-3C1	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610
(1) CFM56-5A3	Now 17 - Sale / Lease				
(2) CFM56-5B	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(2) CFM56-7B26	Now - Sale				
(1) CFM56-7B26/E	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/3	Now - Lease				
(2) CFM56-5C4/P	Now - Sale / Lease	Castlelake	Stuart MacGregor	stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-7B26	Now - Sale/Lease/Exch.	AerSale, Inc.	Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(2) CFM56-3C1	Now - Sale / Lease				
(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-7B20 TRUEngine™	Now - Sale / Exchange	CFM Materials	Jimmy Hill	Jimmy.Hill@cfmmaterials.com	+1 214-988-6670
(1) CFM56-7B24 TRUEngine™	Now - Sale / Exchange				
(1) CFM56-7B27 TRUEngine™	Now - Sale / Exchange				
(1) CFM56-5B4/P TRUEngine™	Now - Sale / Exchange				



**NATIONAL AERO STANDS**  
The World Leader in Engine Stand Leasing  
proudly brings you the **FIRST**

**Trent 800 Rollover Stand**  
for **LEASE!**

www.stands.aero | 305.558.8973 | support@stands.aero

### Commerical Engines (cont.)

(1) CFM56-5C4/P	Now - Sale	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 2920109898
(4) CFM56-5C4	Now - Sale				
(1) CFM56-5B	Now - Sale / Lease				
(1) CFM56-7B	Now - Sale / Lease				
(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.				
(1) CFM56-5B4/3	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(1) CFM56-5C4/P	Now - Lease				
(1) CFM56-5C4	Now - Lease				
(1) CFM56-7B26/3	Now - Lease				
(1) CFM56-7B26	Oct 2017 - Lease				
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-7B24/3	Now - Lease				
<b>JT8D and JT9D Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) JT8D-219	Now - Sale	Azure Resources	Jeffrey Young	jeff@azureres.com	+1-954-796-8158
(1) JT9D-7R4D-E	Now - Sale/Lease	Jet Midwest	Kevin Lee	engines@jetmidwest.com	+1-310-652-0296
(1) JT8D-219	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1 954 676 3111
<b>PW Small Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) PW121 (Dash 8)	Now - Sale / Lease	Magellan Aviation Group	Bill Poly	bill.poly@magellangroup.net	+1 (704) 504 9204 x202
(1) PW123B/D/E	Now - Sale / Lease				
(1) PW124B	Now - Sale / Lease				
(1) PW121 (ATR)	Now - Sale / Lease				
(1) PW127E/F/M	Now - Sale / Lease				
(1) PW150A	Now - Sale / Lease				
(2) PW121 (ATR)	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	ddesaulniers@willislease.com	+1 415 516 4837
(2) PW121-8	Now - Sale/Lease/Exch.				
(1) PW123	Now - Sale/Lease/Exch.				
(1) PW127	Now - Sale/Lease/Exch.				
(2) PW150A	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(2) PW127F	Now - Sale/Lease/Exch.				
(2) PW124B	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	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW150 GRB	Now - Lease				
(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

### Commerical Engines (cont.)

PW4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) PW4056-1	Now - Sale/Lease/Exch.	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) PW4056-3	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) PW4168A-1D	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) PW4056-3	Now - Sale/Lease	Jet Midwest	Kevin Lee	engines@jetmidwest.com	+1-310-652-0296
(1) PW4060-3	Now - Sale / Lease	AerSale. Inc.	Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) PW4062-3	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) PW4056-3	Now - Sale / Lease		Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
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
(3) Trent 800	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) Trent 892	Now - Sale/Lease/Exch.	AerSale. Inc.	Matthew White	matthew.white@aersale.com	+353 1475 3005
(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	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
1) V2533-A5 w/QEC	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
(1) V2527	Now - Sale / Lease	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 2920109898
(1) V2533-A5	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werner aero.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	TrueAero, LLC	Matt Parker	mparker@trueaero.com	+1 469-607-6110
(1) A330-300 Landing Gear	Now - Sale				
(2) A340-600 Landing Gear	Now - Sale				
(1) A340-300 Landing Gear	Now - Sale				
(2) GTCP331-500	Now - Sale				
(2) GTCP331-350C	Now - Sale				
(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
(3) APS2300, (1) GTCP331-350C	Now - Sale / Lease	AirFin	Nick Filce	Nick.Filce@aerfin.com	+44 7770 618 791
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	rlawsley@logix.aero	+44.79.0021.8657
APS3200, APS2300, GTCP85-129H					
APU GTCP 331-500	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
Engine stands now available	Now - Lease				
(2) GTCP131-9B, (2) GTCP131-9A	Now - Sale / Lease	GA Telesis	Dave Dicken	ddicken@gatelesis.com	+1 954-676-3111
B737-400 main landing gears, with 2015 tags		World Star Aviation Services	Tommy Guttman	tguttman@worldstaraviation.com	+972-544-22000
767-300ER 413K LANDING GEAR	Now - Sale	Azure Resources	Jeffrey Young	jeff@azureres.com	+1-954-796-8158
737-300/400 LANDING GEAR					
CFM56-3 MODULES					
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@Werner aero.com	+1 201-674-9999
GTCP36-300A, 737-800 Winglets	Now - Sale / Lease				
737-700 & 737-800 Landing Gear	Now - Sale / Lease				
737-800 NOSE LANDING GEAR PN 162A1100-5, OH - Now Sale		Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
767-300 Winglets, LH-RH P/N 767-0010-7 & -8					
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368