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WORLD NEWS

Airlines adopt 'rule of two' after germanwings tragedy

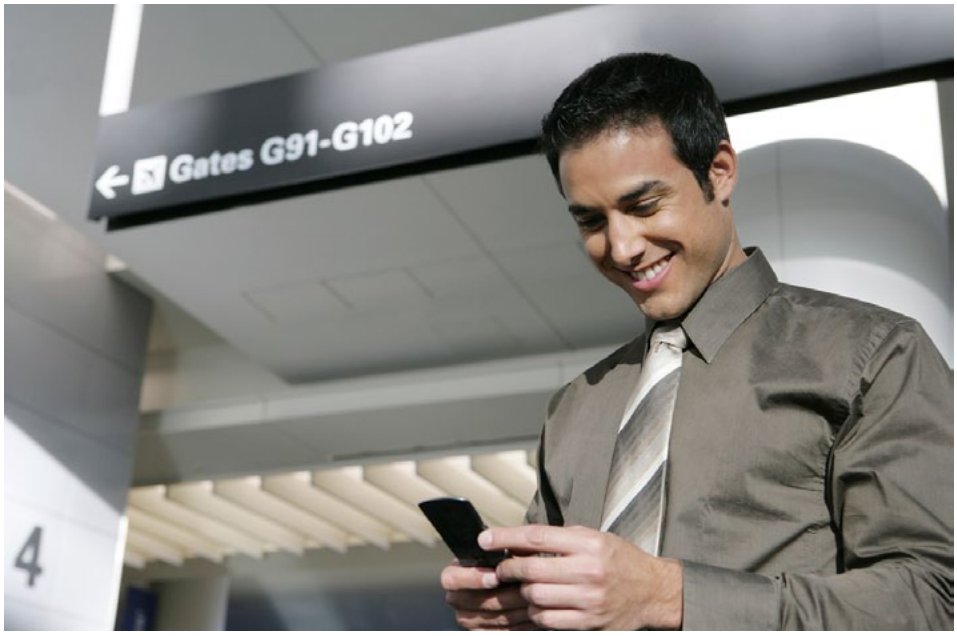
Airlines around the world have started imposing the 'rule of two' requirement, this means there must be two crew members in the cockpit at all times as a safety precaution following the germanwings crash that killed 150 passengers. Airlines in Australia, Oman and South Korea are among the latest carriers to change their policies following the surge in European airlines that have rushed to adopt the rule. U.S. carriers have had the rule imposed for some time.

Thomas Global Systems pioneers new LCD retrofit solution

Australian based Thomas Global Systems has launched the new LCD TFD-8601 cockpit retrofit solution for regional and corporate aircraft. This new innovation is a plug-and-play LCD replacement for Rockwell Collins' EFD-86 CRT unit on a range of regional and corporate aircraft including SAAB 340, Embraer EMB-120 Brasilia, Beechcraft King Air, Dassault Falcon, Gulfstream, Hawker and Learjet. With first customer deliveries expected to commence next month, the new TFD-8601 LCD will complement Thomas Global Systems' extensive long-term CRT display support programmes.

More routes announced for Liverpool European services.

Flybe, Europe's regional airline has announced that it will start operating a new route between Liverpool John Lennon Airport (LJLA) and Amsterdam Schiphol Airport later this year. The new service will begin on 7th September 2015 and offer up to three flights per day. LJLA will also see new operations from Blue Air with a second service from Liverpool with the airline's first departure to the city of Bacau in North East Romania in addition to current services to Bucharest.



Smart phones are heavily relied upon to rebook delayed flights in the U.S.

Photo: SITA

U.S. Travellers ready for self-service beyond check-in

Passengers reveal that better passenger experience hinges on more automation

A rather interesting survey conducted by travel IT specialists SITA has revealed that U.S. air travellers rank time-consuming baggage and security procedures as the top areas for improvement. The 9th annual SITA/Air Transport World Passenger IT Trends Survey confirms that airports can significantly improve passenger experience and satisfaction by automating these and other steps throughout the air travel process.

> "As mobile adoption and the expectation for self-service convenience continue to grow, there is an even greater opportunity for airports to streamline cumbersome processes and give their customers greater control over their travel experience."
>
> *Paul Houghton, SITA's President, Americas*

When asked about areas of improvement, 77 percent of respondents cite security and border patrol procedures, while 73 percent report baggage collection upon arrival as their top concern. While automated baggage and border solutions are just beginning to take hold in the U.S., their availability is likely to grow as U.S. airports automate a greater number of processes and passengers continue to demand more convenience at their fingertips. Just 24 percent of respondents report using a self-service bag-drop station today, yet 30 percent said they would use it if available in the future. And more than twice that number, 65 percent of respondents, said they would like to receive real-time baggage updates on their mobile device.

Paul Houghton, SITA's President, Americas, said: "As mobile adoption and the expectation for self-service convenience continue to grow, there is an even greater opportunity for airports to streamline cumbersome processes and give their customers greater control over their travel experience—from check-in to border entry to baggage collection.

A great example of this is the growing use of SITA's Automated Pass-

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Reliance Aircraft INTERNATIONAL

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...continued from page 1

port Control kiosks, installed at LAX, MIA, PHL, BOS and other airports across America, which have cut passenger wait times by up to 40 percent," said Houghton.

Other notable additional statistics show that U.S. passengers ranked in-flight wireless, better real-time flight information and better comparability of airline fares as their top three suggested areas of investment. 27 percent of passengers regularly use their smart phones to rebook delayed flights, but nearly double that number (50 percent) would do so if available over the next 12 months.

A majority of U.S. passengers said they would use new boarding pass services such as unstaffed boarding gates (67 percent) and self-service transfer kiosks at the connecting airport (52 percent) if available in the future.

AIRCRAFT & ENGINE NEWS

Air China selects Rolls-Royce Trent 1000 engines

Air China has selected Rolls-Royce Trent 1000 engines and long-term TotalCare support. The engines will power 15 new Boeing 787-9 Dreamliner aircraft. The decision continues a strong relationship with the airline, which has 49 Trent 700-powered Airbus A330 aircraft in service, with four to be delivered, and ten Trent XWB-powered Airbus A350XWB aircraft on order. John Rishton, Rolls-Royce Chief Executive Officer, said: "This is a significant selection by a valued customer and we look forward to continuing to strengthen our relationship with Air China. The Trent 1000 offers operators outstanding lifetime fuel burn performance and reliability on the Boeing 787 Dreamliner." Rolls-Royce powered the very first Boeing 787 test flight in December 2009, the first 787-8 to enter service in October 2011, and the first 787-9 to enter service, in 2014.

Embraer sells up to 34 additional E-Jets to Air France/KLM Group

Embraer announced a firm order for 15 E175s and two E190s from KLM Cityhopper, KLM's regional subsidiary. The contract for the 17 E-Jets also includes an option for 17 additional E-Jets for KLM Cityhopper or Air France's regional subsidiary, HOP! The firm order, which will be included in Embraer's 2015 first-quarter backlog, has an estimated value of US$ 764m based on Embraer's current list prices. The transaction is valued at US$ 1.5bn if all options are exercised. Both the E190s and the E175s will be configured in single-class layouts. They will join the 28 E190s already flying with KLM Cityhopper to replace the remaining 19 Fokker F70s that the carrier is phasing out.

Five more Dauphin helicopters to serve Japanese in police and firefighting missions

Five more Dauphin helicopters to serve Japanese in police and firefighting missions *Photo: Airbus Helicopters*

A contract for two new Airbus Helicopters Dauphins, along with deliveries of three Dauphins this month, have underscored the importance of this twin-engine aircraft family in Japan – particularly with the country's law enforcement and firefighting agencies. The latest order was signed with Japan's National Police Agency for one H155 version (previously known as the EC155) to be deployed by the Kagawa Prefectural Police, and an AS365 N3+ variant for the Fukuoka Prefectural Police. Both Dauphins are scheduled to be delivered in 2017, and will replace aging aircraft in these operators' respective fleets. The H155 is Kagawa Prefectural Police's first Airbus Helicopters-built rotorcraft. This month's three Dauphin deliveries in Japan involved an H155 for the Hyogo Prefectural Police, one AS365 N3+ received by the Hiroshima Prefectural Police, and an AS365 N3+ for the Nagoya City Fire Department.

Boeing and ANA finalize order for three 787-10 Dreamliners

Boeing and All Nippon Airways finalized an order for three 787-10 Dreamliners, valued at approximately US$900m at list prices. With this order, originally announced as a commitment in January 2015, ANA becomes Boeing's newest 787-10 customer and first airline in Asia to operate the entire family of 787 Dreamliners. ANA, the launch customer of the 787, currently operates the world's largest 787 fleet with 34 Dreamliners. The airline will further expand their future fleet with an additional 49 787s on order, leveraging the added efficiency and full flexibility of the complete 787 family.

Boeing delivers 20th 787 Dreamliner to Air India

Boeing and Air India celebrated the airline's milestone delivery of its 20th 787 Dreamliner from Boeing's final assembly facility in North Charleston, S.C. The new Dreamliner also features the Star Alliance livery, Air India's, and the world's, first 787 to do so. The flag carrier joined the global airline network last year, reflecting the strong network growth of the Indian aviation market.

GE Capital Aviation Services delivers new leased Boeing 737-800 to Japan's Solaseed Air

GE Capital Aviation Services Limited (GECAS), the commercial aircraft leasing arm of GE, delivered a new leased Boeing 737-800 aircraft to Japan's Solaseed Air. The leased aircraft is part of GECAS' existing order book with Boeing. Solaseed Air operates a fleet of 12 Boeing 737-800 aircraft to destinations in Japan.

AIRCRAFT & ENGINE NEWS

CIT orders five more A321ceo aircraft

CIY Group, a global leader in transportation finance has placed a firm order for five more A321ceo aircraft, in effect doubling its most recent commitment for five A321ceo's signed at the 2014 Farnborough International Airshow and firmed up in November 2014. This latest agreement brings CIT's total order for the A320 Family to 205 aircraft, comprising 155 CEO and 50 NEO aircraft.

Fifth Avolon aircraft on lease to Pegasus

Avolon, the international aircraft leasing company, announces the delivery of a Boeing 737-800 aircraft to Pegasus Airlines. The delivery is Avolon's fifth aircraft on lease to Pegasus, one of Europe's fastest growing airlines. Headquartered in Ireland, with offices in the United States, Dubai, Singapore and China, Avolon provides aircraft leasing and lease management services. Avolon had an owned, managed and committed fleet of 235 aircraft serving 49 customers in 28 countries as of December 31, 2014. Avolon is listed on the New York Stock Exchange, under the ticker symbol AVOL.

Doric structures aircraft investments for family offices

Doric has structured investments in four regional aircraft for two family offices. Doric took delivery of the ATR72-500s in Finland at the end of March 2015. Each plane is leased to Finnair for a period of eight years. Three of the aircraft were 100% equity financed; one aircraft was part-financed by NordLB. In addition to the two ATR72s recently acquired for a public AIF, Doric will be managing all four of the regional aircraft. Doric's aviation portfolio now comprises 40 aircraft.

ANA Holdings firms up order for seven additional A321s

Ana firms up order for seven additional A321s *Photo: Airbus*

ANA Holdings has firmed up an order for seven more A321 aircraft (four A321ceo with Sharklets and three A321neo), following the previous announcement in January this year. This firm order brings ANA's total order for the A320 Family to 37 aircraft (26 A321neo, four A321ceo with Sharklet, and seven A320neo). ANA Group will be the first Japanese carrier to operate three variants of the A320 Family, the A321neo, the A321ceo and the A320neo. With an optimised use of cabin space called 'Cabin-Flex', the A321neo will typically seat up to 240 passengers while maintaining Airbus' standard comfort standard of at least 18 inch wide seats. The A321ceo will seat up to 220, and the A320neo up to 180 people.

MRO & PRODUCTION NEWS

328 achieves United Arab Emirates Design Organisation Approval

328 Design GmbH reported that it has successfully achieved the Supplemental DOA approval from the General Civil Aviation Authority GCAA of the United Arab Emirates. The approval shows that 328DO is in compliance with all regulatory requirements for product changes on A6 UAE-registered aircraft. This approval allows 328DO changes and repairs approved for A6 (UAE) registered aircraft modifications without any limitations in avionic installations, ranging from SATCOM installations all the way up to complete aircraft conversions. With over 200 STC's already managed by 328DO, it is expected that this approval will prove attractive to operators in this region of the world. 328 is currently working on an extended range of aircraft including VVIP/VIP narrow and wide-body aircraft, and business jets. With the new GCAA DOA approval, 328 Group is able to offer new services to the civil aviation market including First, Economic and Business class parts and assembly manufacture.

Jet Aviation Basel develops EASA STC for Traffic Alert and Collision Avoidance System version 7.1 upgrade

Jet Aviation Basel has obtained European Aviation Safety Agency (EASA) Supplemental Type Certification (STC) for the Traffic Alert and Collision Avoidance System (TCAS II) version 7.1 upgrade. Jet Aviation Basel now has an STC approved by EASA for the TCAS II version 7.1 upgrade. TCAS II provides vertical rate "Resolution Advisories" (RAs) to pilots, informing them when and how to adjust their vertical speed in order to avoid collisions. All aircraft manufactured since March 2012 are equipped with TCAS II version 7.1. Any aircraft equipped with TCAS II version 7.0 software and operating within European Union airspace must upgrade to version 7.1 by December 1, 2015. The TCAS II version 7.1 upgrade improves flight safety by correcting an issue with the TCAS reversal logic in the event that one of the alerted crews does not comply with a resolution advisory or initiates an opposite maneuver. The upgrade also replaces several confusing "Adjust Vertical Speed" RAs with a single "Level Off" RA.

UTC Aerospace Systems to provide wheels and carbon brakes for Qatar Airways and their Airbus A350 XWB aircraft

UTC Aerospace Systems has been selected by Qatar Airways to supply the wheels and carbon brakes for its fleet of 43 Airbus A350-900 aircraft. The company will provide the equipment through its Landing Systems facility in Troy, Ohio. Qatar Airways took delivery of their first A350-900 aircraft in December 2014. The A350 XWB carbon brakes use proprietary DURACARB carbon heat sink material which has exhibited superior brake life performance on other in-service programs, thereby creating significant cost savings over the life of the aircraft for customers through fewer brake removals and associated

MRO & PRODUCTION NEWS

maintenance and overhaul activity. UTC Aerospace Systems is the first wheel and brake supplier certified on the A350-900 program.

Ionbond receives certification from Airbus

Ionbond has reported that Airbus S.A.S has certified the Greensboro NC, USA coating center for the production of PVD coatings according to Airbus process specifications (AIPS). The certification will allow the facility in Greensboro to provide coatings to Airbus directly and through its suppliers. Ionbond has been a supplier to Airbus in Europe for a number of years through its coating centers in Chassieu (Lyon) and Grisolles (Toulouse) France. These facilities and the NADCAP certified coating center in Consett, UK serve as a competence and supporting center for Ionbond's global aerospace activities. With the planned opening of the first assembly plant in Mobile, Alabama in 2015, Airbus has made a commitment to take the aircraft manufacturing to the US with many US manufacturers supplying aircraft components. Having a certified coating operation in the US will assure optimal logistics and shorter delivery times of aircraft components for Airbus.

HAECO Group awarded Air Canada 777 cabin modification programme

HAECO Cabin Solutions, a unit of the HAECO Group, has been awarded a comprehensive fleet modification programme by Air Canada. Named the "777 Dream Cabin" programme, it will include complete design engineering, certification and installation of all new aircraft interiors on 18 of the airline's Boeing 777-200 and -300 aircraft. The work will include some HAECO Cabin Solutions products, such as partition walls and new lavatory units. Additionally, it will cover the installation of new aircraft seating and in-flight entertainment (IFE) in all cabins, new flooring and laminates and the modification of galley units. The design and integration work has already begun and the first aircraft will be inducted for installation in September 2015. To meet Air Canada's tight delivery schedule, services will be provided by multiple business units within the HAECO Group from locations around the world.

Thomas Global Systems pioneers new LCD retrofit solution for corporate and regional aircraft

Thomas Global Systems, a leader in the design, production and support of avionic display systems technology, launched the new LCD TFD-8601 cockpit retrofit solution for regional and corporate aircraft. This new innovation is a true plug-and-play LCD replacement for Rockwell Collins' EFD-86 CRT unit on a range of regional and corporate aircraft including SAAB 340, Embraer EMB-120 Brasilia, Beechcraft King Air, Dassault Falcon, Gulfstream, Hawker and Learjet. With first customer deliveries expected to commence next month, the new TFD-8601 LCD will complement Thomas Global Systems' extensive long-term CRT display support programs. Following careful analysis of aircraft trends in the business and regional sector, Thomas Global Systems developed the new TFD-8601 LCD retrofit solution to help owners, operators and lessors of regional and corporate aircraft tackle challenges of ageing CRTs, particularly with growing concerns about the lack of upgrade alternatives for legacy cockpits and component obsolescence. This new LCD solution from Thomas Global Systems eliminates any obsolescence threat, dramatically increases system reliability, and drives down maintenance costs for the life of the aircraft. The TFD-8601 helps operators avoid expensive full cockpit upgrades – the installation process of a new TFD-8601 is truly plug-and-play and can be completed instantly. There are no upgrades in wiring or additional training required.

HAESL receives first Rolls-Royce Trent XWB engine

HAESL receives first Rolls-Royce Trent XWB engine *Photo: HAECO Group*

HAECO Group announced that Hong Kong Aero Engine Services Limited ("HAESL"), the Group's engine services facility in Hong Kong, has taken delivery of its first Rolls-Royce Trent XWB engine. The engine will support the cross calibration of HAESL's test cell, marking an important milestone in the company's progress towards development of full Trent XWB capability. HAESL is on schedule to be equipped with Trent XWB engine overhaul capability by the end of 2015, thereby becoming one of only a few overhaul facilities in the Rolls-Royce global network providing Trent XWB engine overhaul services to airlines operating Airbus A350 XWB fleets. To meet the future needs of servicing the Rolls-Royce Trent XWB engine, HAESL will construct a new four-storey, 13,000 m² facility, which will house engine overhaul workshops, offices and training rooms. The new facility, named Phase VI, will be constructed with optimisation of operational and material flow and sustainability in mind. The Rolls-Royce Trent XWB engine is the sixth generation of the Trent engine family and the sole engine type powering Airbus A350 XWB aircraft.

ITT announces acquisition of Hartzell Aerospace

ITT Corporation has completed the acquisition of Hartzell Aerospace, a leading manufacturer of highly engineered and customized solutions for aerospace environmental control systems on a wide range of high-growth, next-generation aircraft platforms. "The acquisition of Hartzell Aerospace will unlock powerful new opportunities for ITT to expand its presence on new and existing platforms in the global aerospace industry," said Denise Ramos, chief executive officer and president. "The addition of Hartzell Aerospace's high-quality portfolio and innovative technologies will broaden our capabilities, enhance our ability to serve customers and help further position ITT as a leader in the aerospace market." Hartzell Aerospace has about 240 employees and production facilities in Valencia and Perris, Calif.

MRO & PRODUCTION NEWS

Pratt & Whitney to deliver first entry into service engine parts using additive manufacturing

While Pratt & Whitney has produced more than 100,000 prototype parts using additive manufacturing over the past 25 years – and hundreds more to support the PurePower Geared Turbofan engine family's development – the company will be the first to use additive manufacturing technology to produce compressor stators and synch ring brackets for the production engines. Pratt & Whitney PurePower PW1500G engines exclusively power the Bombardier CSeries aircraft family. Additive manufacturing, also called three-dimensional (3D) printing, builds parts and products one layer at a time by printers. In 3D printing, additive processes are used, in which successive layers of material are laid down under computer control. These objects can be of almost any shape or geometry, and are produced from a 3D model or other electronic data source. In production tests, Pratt & Whitney has realized up to 15 months lead-time savings compared to conventional manufacturing processes and up to 50% weight reduction in a single part. The PurePower engine family parts will be the first product produced using 3D printing powder bed additive manufacturing. Related manufacturing technologies that will be used in the PurePower engine production include Metal Injection Molding, Electron Beam Melt and Laser Powder Bed Fusion (including Direct Metal Laser Sintering).

Bruce Aerospace obtains FAA and EASA certification for Qantas Airways' A330 LED Cabin Lighting Systems

Bruce Aerospace has successfully added the Airbus A330 to their list of certified platforms for the white/bi-colour LED lighting product line after the system was selected by Australia's largest airline, Qantas Airways. The lighting enhancement installation forms part of the airline's reconfiguration program of its A330 aircraft which are deployed on main East/West trunk routes and long haul services from Australia to key destinations in Asia. Certification of the system for the A330 means airlines such as Qantas have a drop-in replacement for the OEM-supplied fluorescent cabin lighting fixtures, enhancing the cabin with the environmentally-friendly and cost effective Bruce Aerospace LED fixtures. Bruce Aerospace had previously certified their full-spectrum Mood Lighting System for the A330 platform. Three aircraft featuring the new LED system are now in service and form part of a multi-million dollar investment in the aircraft interiors including the installation of the new Business Suite product.

Precision Aircraft Solutions signs new agreement with HAECO Americas

Precision Aircraft Solutions signed a new agreement with HAECO Americas, a part of the HAECO Group and based in Greensboro, NC, USA. The combined endeavor builds on Precision's long-standing relationship with HAECO Xiamen, site of numerous Precision 757 freighter conversions. Just last week, Precision released news of a joint venture with Aerolease Aviation. Together, the companies purchased from AeroTurbine a Pratt-powered 757-200 aircraft (MSN 25441). The freighter conversion is slated to begin in Greensboro later this month, and the collaboration will culminate in the sale of the newly converted high-payload, 15-position freighter.

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FINANCIAL NEWS

Aergen Leasing acquires Avioserv

Avioserv, an established late-life aircraft engine parts management company based in San Diego, has been acquired by Aergen Leasing ("Aergen"). Avioserv specializes in the sale, lease and trading of engine parts, engine components and whole engines to airlines, repair facilities and parts distributors. The combined companies have raised an initial US$200m of committed equity capital from a group of financial and strategic investors led by Greenbriar Equity Group LLC, and plan to raise additional equity funding to support future growth. Aergen will leverage the technical analysis and expertise of Avioserv as it builds and manages a fleet of mid-late stage narrowbody aircraft. "Avioserv is already an established partner to many leading airlines and MROs and will provide distinct capabilities to Aergen as we acquire and manage aircraft through their full life cycle," commented Bob Genise, CEO of Aergen. As part of the acquisition, Aergen will invest meaningfully in Avioserv to expand its breadth of product expertise and offerings to third-party airlines and lessors. "Previously we had focused on late-life engines and engine parts. We're excited to have Aergen as our partner which creates opportunities to focus on both mid and end-of-life aircraft, thereby allowing us to provide airlines and lessors with comprehensive engine solutions for their fleets," commented Timothy Veit of Avioserv.

AAR reports third quarter fiscal year 2015 results

AAR reported third quarter fiscal year 2015 consolidated sales of US$380.1m and net loss of US$34.5m after discontinuing operations of Telair Cargo Group and Precision Systems Manufacturing. For the third quarter of the prior fiscal year, the Company reported sales of US$399.8m and net income of US$17.9m. Third quarter fiscal year 2015 income from continuing operations was US$1.9m compared to US$16.9m net income in the prior year period. Third quarter results included a US$46.4m pre-tax impairment charge for the write down of the Precision Systems Manufacturing business to the expected sales value, a US$4.7m pre-tax impairment charge to reduce the carrying value of aircraft for sale by the Company's airlift business, and US$2.5m of severance due to downsizing and costs related to a large government proposal. Sales in the Aviation Services segment increased 9.9% to US$318.4m partially due to growth in new distribution programs, and sales in Expeditionary Services were US$61.7m, a decline of 44.0% in comparison to the prior period quarter sales of US$110.1m.

Finnair acquires Flybe Nordic on an interim basis

Finnair has acquired Flybe UK's 60% ownership of Flybe Nordic for a transaction price of €1 and Flybe Nordic will transfer to Finnair's ownership on an interim basis. The transaction has been closed on March 31st, 2015. Finnair continues discussions about the continued ownership of Flybe Nordic. Finnair and StaffPoint Holding and G.W. Sohlberg signed a Memorandum of Understanding on January 7th, 2015, about an arrangement according to which Staffpoint and GWS would own, together, 60% of Flybe Nordic shares. Flybe Nordic fully owns the Finnish subsidiary Flybe Finland, which operates with a total of 26 ATR and Embraer aircraft, a substantial part of Finnair's domestic and European routes as purchase traffic. "Finnair aims to find together with its partners a business model that would enable the development of regional flying in a financially sustainable way. We will take an important step to this direction at the beginning of May, when all routes operated by Flybe Finland at their own commercial risk will become a part of Finnair's contract flying arrangements, as we have communicated earlier. Flybe Finland has also implemented several internal measures to improve the company's financial position," says Pekka Vauramo, President and CEO of Flybe Finland.

TransDigm acquires aerospace business of Franke Aquarotter

TransDigm Group Incorporated acquired the aerospace business of Franke Aquarotter GmbH for approximately US$75m in cash on March 31st, 2015. The Company, whose name going forward will be Adams Rite Aerospace GmbH, is located in Ludwigsfelde, Germany and employs approximately 50 people. The Company manufactures proprietary faucets and related products for use on commercial transport and regional jets. Major platforms include the Airbus A320, A330, A380 and Bombardier and Embraer regional jets. Approximately 65% of revenue is derived from the commercial aftermarket and almost all revenue is proprietary and sole source.

Etihad Airways' 33.3% investment in Darwin Airline approved by Switzerland's aviation regulator

Etihad Airways, the national airline of the United Arab Emirates, welcomed the decision of Switzerland's Federal Office of Civil Aviation (FOCA) to approve the airline's 33.3% investment in the Swiss regional carrier Darwin Airline. Since January, 2014, Lugano-based Darwin Airline has operated as Etihad Regional under a brand and partnership agreement with Etihad Airways. FOCA's approval of the Etihad Airways investment now enables the two companies to leverage fully the benefits of their partnership, including codesharing on each other's flights within and beyond Europe. James Hogan, President and Chief Executive Officer of Etihad Airways, said the investment was in line with the growing trend of consolidation in the airline industry, to ensure the continuation of viable, reliable and stable air services, and to maximise flight connectivity.

MILITARY AND DEFENCE

US Army selects GE for engine controls technology development

The U.S. Army selected GE Aviation to perform conceptual design and trade analysis on the Rotorcraft Advanced Engine Integrated Controls System (RAEICS) program. The 24-month project will develop a conceptual design of an advanced engine control system to enable innovative, high-performance propulsion capabilities for Future Vertical Lift (FVL) platforms. RAEICS will assess innovative engine controls technologies and architectures, and explore approaches to optimally integrate the advanced engine controls system with vehicle systems and subsystems. GE will participate in the RAEICS program with Sikorsky Aircraft Corporation. GE continues to support JMR/FVL development efforts through multiple programs to include the Future Affordable Turbine Engine (FATE) program. GE is investing in the FATE program to ensure advanced engine technology is ready when required for FVL. FATE Inlet particle separator, compressor, combustor and turbine component tests are ongoing or completed. At the same time, hardware is being manufactured and assembled for engine testing. FATE is aimed at demonstrating a 5,000-10,000 shp-class turboshaft with an 80% increase in power-to-weight ratio, 35% reduction in specific fuel consumption, 45% lower production and maintenance costs, 20% lower development cost and 20% longer design life. GE completed its FATE detailed design review in November, 2013.

Mexico becomes launch customer for new Airbus C295W

Mexico becomes launch customer for new Airbus C295W *Photo: Airbus Defence and Space*

The Mexican Navy (Semar) has become the launch customer of the latest version of the Airbus C295 medium transport aircraft – the new C295W equipped with winglets. Thanks to the winglets, the C295W will be able to transport more payload to a longer distance with around a 4% fuel savings, even in hot and high conditions. The Mexican Navy has specified the winglets for two C295s, for which the order was already announced, and winglets will be standard for all new C295s ordered from now on. "The advantage of the winglets in hot and high conditions means that the development of the C295W is a key step for our highly successful light and medium transport family. And it is a particular pleasure to deliver this first aircraft to Mexico, which already has the biggest Airbus Defence and Space transport fleet in Latin America," said Antonio Rodríguez Barberán, Head of Commercial for Airbus Defence and Space in Latin America.

OTHER NEWS

Global aviation educator **Airways Aviation** is opening its latest Aviation Theory School in Baghdad later this month, paving the way for aspiring Iraqi pilots to launch their flying careers. The new Iraqi school, equipped with modern teaching facilities, including a flight simulator, is located in the education precinct close to the University of Baghdad and will offer several courses developed by Airways Aviation in collaboration with the aviation industry to equip prospective students to take their first steps towards becoming a pilot. Airways Aviation provides industry access, pathways and opportunities to undertake complete flight training within the one organisation; progressing from introductory aviation theory to qualifying as a commercial airline pilot. Airways Aviation also offers advanced flight training and European and Australian license conversions. Students at Airways Aviation build an important bank of

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OTHER NEWS

knowledge and develop the skills, confidence and understanding required to progress to full flight training in modern training aircraft at one of the Airways Aviation Pilot Training Academies in Europe or Australia. Initially, there will be two courses on offer in Iraq that are targeted at school leavers and career changers with no previous flying or aviation experience or knowledge. All courses will be delivered by qualified teachers and instructors.

New Direct flights to Milan and Venice from Abu Dhabi International Airport on Alitalia *Photo: Abu Dhabi International Airport*

Abu Dhabi International Airport announced the launch of two new **Alitalia** routes to the UAE's capital city. The national airline of Italy, 49% owned by the UAE's national airline Etihad Airways, has inaugurated flights between Abu Dhabi and the Northern Italian cities of both Milan and Venice. Both flights arrived at Abu Dhabi International Airport in the morning of March 30th and were greeted by the traditional water cannon salute. The new services complement Alitalia's existing Abu Dhabi to Rome route as well as Etihad Airways' popular flights to both Rome and Milan. Alitalia's Abu Dhabi to Milan service will be operated by a 293 seat Boeing 777 aircraft and the new route to Venice will be flown with a 250 seat Airbus A330.

London Oxford Airport reports a steady increase in Business Aviation activity over the last twelve months. For the period February 2014 to February 2015 the airport reports a growth of 7.5 % year on year in commercial business aviation flights (those flown by AOC operators). In particular it notes a peak growth for the period September 2014 to February 2015, with monthly movements peaking at an average of 20% over the six-month period, with September showing an overall growth of 28%. The increase in activity has been generated by more flights originating from the USA, Canada and CIS countries, with aircraft arriving regularly from Slovakia, Czech Republic, Poland and Hungary. These expanding markets serve to complement London Oxford's established Western European activity and the trend is expected to continue in line with the anticipated rise in the growth of the business economy. London Oxford Airport has seen growth over the last year in the type of aircrafts with Cessna Citation up to Bombardier Global Express, amongst others taking advantage of the airports opening hours, customs and immigration service, and competitive pricing. The overall increase has been driven by visitor aircraft choosing London Oxford Airport owing to its convenient location, and easy access to West London.

Vietnam Airlines began operating from Heathrow Terminal 4, on Tuesday 31st *Photo: Heathrow Airports*

Delta Air Lines and **Grupo Aeromexico** have filed an application with the U.S. Department of Transportation seeking antitrust immunity for a new joint venture on flights between the United States and Mexico. This joint venture is subject to standard regulatory requirements, including the approval of the Federal Economic Competition Commission, among others. The application marks a significant step in the creation of a US$1.5bn joint venture that, if approved, will allow Delta and Aeromexico to operate more effectively on routes between the U.S. and Mexico for the benefit of its customers. Also, Delta and Aeromexico will seek to expand opportunities to collocate and invest in airport facilities by improving gates and lounges. Additionally the airlines will increase joint sales and marketing initiatives.

Vietnam Airlines has begun its direct service to Heathrow Terminal 4 and operates four weekly services to Hanoi and Ho Chi Minh City from the UK's hub. With a new fleet of 787-9 Dreamliners arriving in the summer, the airline will operate five weekly services to Hanoi and Ho Chi Minh City. The route frequency will be further increased to a daily service as Vietnam Airlines benefits from the strong transfer traffic and premium passenger demand that Heathrow attracts. Because Heathrow is full,

OTHER NEWS

slot availability for long-haul routes is rare. The agreement with Vietnam Airlines took seven years to come to fruition, and Heathrow currently has a queue of thirty airlines waiting for slots. Although some airlines have attempted to operate from point-to-point airports, many more have instead opted to base their operations at hubs abroad. Last year alone, the UK lost over 5 million passengers to rival hubs, whilst a further 2.5 million passengers travelled from Heathrow via the UK's European competitors due to the lack of long-haul connectivity caused by capacity constraints at Heathrow. With Vietnam identified by the government as one of the top twenty growth markets for UK businesses, this new route shows how Heathrow expansion is the best solution for the UK economy, creating up to £211bn (US$325bn) in GDP and 180,000 new jobs.

Recommended Events

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INDUSTRY PEOPLE

Jaan Albrecht

• **Jaan Albrecht**, who has been the CEO of Austrian Airlines since November 2011, has accepted a position at SunExpress, a joint venture of Lufthansa and Turkish Airlines, and will serve as its CEO starting June 1, 2015. This was decided today at the Supervisory Board meeting of SunExpress. Albrecht will remain CEO of Austrian Airlines until the end of May 2015. The Supervisory Board will make a decision on Albrecht's successor at a later date. **Paul Schwaiger**, the current Managing Director of SunExpress, will leave the company due to the expiration of his contract. In order to ensure a smooth handover and a seamless transition, Paul Schwaiger will actively shape the change in the airline's management and continue to support Jaan Albrecht until the middle of July 2015.

Vito Culmone

• WestJet President and CEO **Gregg Saretsky** announced the resignation of **Vito Culmone**, Chief Financial Officer and Executive Vice-President, Finance, effective May 29th, 2015. Vito will be joining another Calgary-based organization in a similar capacity.

• Avtrade's commitment to developing and strengthening customer relationships and service continues across the Asia region; with increased CAAC approved Singapore-based inventory and the utilization of local component repair services. Avtrade announced the appointment of **Toby Smith** as the new Regional Account Manager based in Singapore. Toby joined the Sales department in the UK in 2008 as a Sales Administrator and progressed to Team Leader, gaining valuable knowledge and experience within the aviation sales environment. Toby advanced his career by relocating to Avtrade's Singapore office in the role of Regional Sales Manager, Asia. Responsible for building the customer base and increasing sales, Toby has been instrumental in the development of the Singapore sales team and has now been appointed as Regional Account Manager with overall responsibility for North and South Asia.

• **Jon Horne** is bringing his depth of experience and knowledge to help London Southend Airport continue on its successful trajectory and develop new business opportunities. Jon first started working in the aviation industry in 1973 as an Air Traffic Control Assistant and has remained within the industry ever since. Rising through the ranks, Singapore-born Horne was the Chief Executive of Cardiff International Airport prior to joining the Stobart Group's London Southend operation.

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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A300B4-200F	Rising Sun Aviation	None	141	1981	Now	Sale	Fred Van Acker	f.vanacker@risingsunaviation.com	+1 214-906-5635
A300B4-200F	Rising Sun Aviation	None	149	1981	Now	Sale	Fred Van Acker	f.vanacker@risingsunaviation.com	+1 214-906-5635
A319-133	Amentum Capital	V2527M-A5	3705	2008	Now	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
A320-200	ORIX Aviation	V2527-A5	2651	2006	Q1/2016	Sale / Lease	Daniel Cunningham	daniel.cunningham@orix.ie	+353 871774524
A320-200	ORIX Aviation	CFM56-5B4	2810	2006	Q2/2016	Lease	Daniel Cunningham	daniel.cunningham@orix.ie	+353 871774524
A320-200	GA Telesis	V2500-A1	53	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
A320-200	GA Telesis	V2500-A1	54	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
A320-200	GA Telesis	V2500-A1	64	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
A330-223	Amentum Capital	PW4168A	970	2008	Now	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
A330-223	Amentum Capital	PW4168A	943	2008	Mar 2015	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
A330-223	Amentum Capital	PW4168A	962	2008	Mar 2015	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
A330-223	Amentum Capital	PW4168A	979	2009	Oct 2015	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
A340-200	GA Telesis	CFM56-5C3/F	14			Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
A340-200	GA Telesis	CFM56-5C3/F	22			Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B737-300	Phoenix Aer Capital	CFM56-3	24532		Now	Sale	Bob Gallagher	r.gallagher@aircraftsystemsgroup.com	+1 727-376-0292
B737-300	Phoenix Aer Capital	CFM56-3	24666		Now	Sale	Bob Gallagher	r.gallagher@aircraftsystemsgroup.com	+1 727-376-0292
B737-300F	ORIX Aviation	CFM56-3B2	24711	1990	Apr 2015	Sale	Cian Coakley	cian.coakley@orix.ie	+353 877760451
B737-400	Wing Capital	CFM56-3C1	26066		Jan 2015	Sale / Lease	Ben Jacques	bjacques@wngcapital.com	+353 766025252
B737-400	World Star Aviation Services	CFM56-3C1	24706	1991	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-400	World Star Aviation Services	CFM56-3C1	28550	1997	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-400	World Star Aviation Services	CFM56-3C1	24796		Jun 2015	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-400	Safair Operations	Combi	East Africa		May 2015	ACMI only	C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
B737-700	ORIX Aviation	CFM56-7B20/3	34693	2007	Q1/2016	Lease	Cian Coakley	cian.coakley@orix.ie	+353 877760451
B737-700	ORIX Aviation	CFM56-7B20/3	35132	2007	Q1/2016	Lease	Cian Coakley	cian.coakley@orix.ie	+353 877760451
B737-700	ORIX Aviation	CFM56-7B22/3	35084	2008	Q2/2016	Lease	Cian Coakley	cian.coakley@orix.ie	+353 877760451
B737-800	ORIX Aviation	CFM56-7B24	34182	2006	Q4/2015	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 877760451
B737-800 (5)	Wing Capital	CFM56-7B26	various		7-12/2015	Lease	Ben Jacques	bjacques@wngcapital.com	+353 766025252
B747-400	GA Telesis	PW4056	28754	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B747-400	GA Telesis	airframe only	24993	1991	Q1/2015	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B747-400	GA Telesis	airframe only	27093	1992	Q1/2015	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B747-400ERF	Amentum Capital	CF6-80C2B5F	37303	2009	Now	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
B747-400SF	Wing Capital	P&W	24998		Now	Sale / Lease	Ben Jacques	bjacques@wngcapital.com	+353 766025252
B767-200ER	Castlelake	CF6-80C2B2	23900	1987	Feb 2015	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	Castlelake	CF6-80C2B2	23901	1987	Q1/Q2 2015	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	Castlelake	CF6-80C2B2	23902	1988	Q1/Q2 2015	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	Castlelake	CF6-80C2B2	26847	1993	Q1/Q2 2015	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	Castlelake	CF6-80C2B2	24764	1990	Q1/Q2 2015	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	Castlelake	CF6-80C2B2	24765	1990	Q1/Q2 2015	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
DC10-30F	Bristol Associates	CF6-50C2	47925	1974	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
DC10-30F	Bristol Associates	CF6-50C2	47929	1975	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
L100-30	Safair Operations		East Africa		April 2015	ACMI only	C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
MD82	GA Telesis	JT8D-200	53155	1990	Now	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ100	GA Telesis		7250		Now	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
CRJ100	GA Telesis		7273		Now	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-135ER	Bristol Associates		145176	1999	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135ER	Bristol Associates		145186	1999	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135ER	Bristol Associates		145192	1999	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135LR	Bristol Associates		145332	2000	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135LR	Bristol Associates		145334	2000	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135LR	Bristol Associates		145323	2000	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000

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Regional Jet / Turboprop Aircraft (cont.)

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
ERJ-145ER	GA Telesis			1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis			1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis			1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321

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
AE3007 Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
(2) AE3007A1	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
CF34 Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
(1) CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
(2) CF34-10E5	Now - Lease				
(1) CF34-3B / 3B1	Now - Lease				
(1) CF34-3A	Now - Sale / Lease				
(1) CF34-3B1	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(2) CF34-3A1	Now - Sale / Lease				
(1) CF34-8C5/B1	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CF34-8C5	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 617 828-3569
(1) CF34-10E6	Now - Lease	Willis Lease	David Desaulniers	ddesaulniers@willislease.com	+1 415 516 4837
(1) CF34-8E5A1	Now - Lease	AeroCentury	Frank Pegueros	frank.pegueros@aerocentury.com	+1 650 340 1888
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
CF6 Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
(2) CF6-80C2A5	Now - Sale / Lease	Apollo Aviation Group	Erik Castillo	erikc@apollo.aero	+1 (305) 579-2340
(1) CF6-80C2B4	Now - Sale / Lease				
(1) CF6-80C2B1F	Now - Sale / Lease				
(1) CF6-80C2BXF	Now - Sale / Lease				
(2) CF6-80C2A2	Now - Sale / Lease				
(1) CF6-50C2	Now - Sale / Lease	Taking Aviation Forward, LLC	Konrad J Walter	konrad@TakingAviationForward.com	+1 954-445-8127
(1) CF6-50	Now - Sale / Lease	Phoenix Aer Capital	Bob Gallagher	REG@PACLLC.AERO	+1 727-376-9292
(1) CF6-80C2B7F	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(1) CF6-80C2B6F	Now - Lease				
CF6-50E2 (multiple)	Now - Sale / Lease	Commercial Aircraft Services	Brian Cooper	brian@casi.aero	+1 208-899-1915
(1) CF6-80C2B1F	Now - Sale / Lease	AerSale. Inc.	Steven Boecker	steven.boecker@aersale.com	+1 305 815-9855
(1) CF6-80C2B6F	Now - Sale / Lease		Steven Boecker	steven.boecker@aersale.com	+1 305 815-9855
(1) CF6-80C2B7F	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(3) CFM56-3C1	Now - Sale / Lease	Wing Capital	Ben Jacques	bjacques@wngcapital.com	+353 766025252
(2) CF6-80C2BXF	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760884250
(1) CF6-80C2B1F	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(1) CF6-80C2B6F	Now - Sale / Lease				
(1) CF6-80C2B1F	Now - Sale / Exchange	AeroTurbine	Elizabeth Peters	epeters@aeroturbine.com	+1 (214) 263-1173
(1) CF6-80C2B6F	Now - Sale / Exchange		or		
(2) CF6-80C2B6F	Now - Lease		Andrew McCain	amccain@aeroturbine.com	+1 (786) 879-0830
(1) CF6-80C2B6 PMC	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF6-80C2B4	Now - Sale / Lease				
(1) CF6-80C2B7F	Now - Sale / Lease				
(2) CF6-80C2B7F	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 (617)828-3569
CFM56 Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
CFM56-3C1 (SV)	Now - Sale / Lease	TrueAero, LLC	Brent Corrie	bcorrie@trueaero.com	+1 561-310-3242
(1) CFM56-5C4/P	Now - Sale / Lease				
(2) CFM56-5A3	Now - Sale	Aeronautics Fund	Jerome Guichard	jg@afd.aero	+33 6 88 92 28 54
(1) CFM56-7B27	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 617 828-3569
(1) CFM56-5B1/P	Now - Lease				

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Commerical Engines (cont.)

CFM56 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CFM56-3C1	Now - Sale / Lease	Royal Aero	Frank Rustmeier	frank@royalaero.com	+49 (0)8025 99360
(1) CFM56-5A3	Now - Sale / Lease				
(2) CFM56-5B4P	Now - Sale / Lease				
(1) CFM56-5C4	Now - Sale / Lease				
(3) CFM56-5A1	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(4) CFM56-5B	Q2/2015 - Sale / Lease				
(1) CFM56-3C1	Now - Sale	ORIX Aviation	D. Cunnigham		+353 871774524
(1) CFM56-3B2	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(1) CFM56-3C1	Now - Sale / Lease				
(1) CFM56-7B27/3B1F	Now - Sale/Lease/Exch.	AerSale. Inc.	Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(1) CFM56-5A3	Now - Lease				
(1) CFM56-3C1	Now - Lease				
(1) CFM56-3C1	Now - Sale	Rising Sun Aviation	Fred Van Acker	f.vanacker@risingsunaviation.com	+1 214-906-5635
(1) CFM56-5C4	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(6) CFM56-3C1	Now - Sale/Lease/Exch.	Lufthansa Technik Airmotive Irel.	Alan Phelan	engines@ltai.ie	+353-87-2786738
(1) CFM56-3B2	Now - Sale/Lease/Exch.				
(2) CFM56-7B	Now - Sale / Lease	Castlelake	Neil McCrossan	neil.mccrossan@castlelake.com	+44-207-190-6119
(1)CFM56-5C3F	Now - Sale / Lease				
(1) CFM56-5B	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werneraero.com	+1-703-402-7430
(1) CFM56-7B	Now - Sale/Lease/Exch.				
CFM56-3(s)	Now - Sale/Lease/Exch.	SES	Ivan Graydon	marketing@ses.ie	+ 353 61 70 6463
CFM56-5A(s)	Now - Sale/Lease/Exch.				
CFM56-5B(s)	Now - Sale/Lease/Exch.				
CFM56-7B(s)	Now - Sale/Lease/Exch.				
(2) CFM56-7B24 (Non-TI)	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(2) CFM56-5B4/3	Now - Lease				
(1) CFM56-5B4/P	Now - Lease				
(2) CFM56-7B24/3	Now - Lease				
(1) CFM56-5A3	Now - Lease				
(1) CFM56-5C4/P	Now - Lease				
(3) CFM56-3C1	Now - Sale / Exchange	AeroTurbine	Elizabeth Peters	epeters@aeroturbine.com	+1 (214) 263-1173
(2) CFM56-5A1F	Now - Lease		or		
(2) CFM56-3C1	Now - Lease		Andrew McCain	amccain@aeroturbine.com	+1 (786) 879-0830
(1) CFM56-3B1	Now - Lease				
(2) CFM56-3B2	Now - Sale / Exchange				
(1) CFM56-7B22	Now - Sale / Exchange				
(1) CFM56-7B	Now - Lease				
(1) CFM56-5A3	Now - Sale / Lease	Apollo Aviation Group	Erik Castillo	erikc@apollo.aero	+1 (305) 579-2340
(3) CFM56-5C4	Now - Sale / Lease				
(2) CFM56-7B	Now - Sale / Lease				
(7) CFM56-3B2	Now - Sale / Lease				
(1) CFM56-3B1	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760884250
(1) CFM56-3C1	Now - Sale/Lease/Exch.				
(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
JT8D Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
(4) JT8D-200	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
PW Small Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
PW121	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
PW123	Now - Sale/Lease/Exch.				
PW124B	Now - Sale/Lease/Exch.				
PW125B	Now - Sale/Lease/Exch.				
PW127E/F/M	Now - Sale/Lease/Exch.				
PW150A	Now - Sale/Lease/Exch.				
PW127F	Now - Sale/Lease/Exch.	Logix.Aero	JC Morin	jcmorin@logix.aero	+33 647 824 262
PW127M	Now - Sale/Lease/Exch.				
(2) JT9D7R4	Now - Sale / Lease	Phoenix Aer Capital	Bob Gallagher	REG@PACLLC.AERO	+1 727-376-9292

Engines available for sale or lease?

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Commerical Engines (cont.)

PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(3) 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.				
(1) PW127M	Now - Sale/Lease/Exch.				
(2) PW127F	Now - Sale/Lease/Exch.				
(2) PW124B	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(1) PW121	Now - Sale / Lease	Royal Aero	Frank Rustmeier	frank@royalaero.com	+49 (0)8025 99360
(1) PW150A	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
PW2000 Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
(1) PW2037	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(1) PW2037	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(3) PW2037	Now - Sale / Exchange	AeroTurbine	Elizabeth Peters	epeters@aeroturbine.com	+1 (214) 263-1173
PW4000 Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
(5) PW4056-1	Now - Sale/Lease/Exch.	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(2) PW4060-3 ETOPS	Now - Sale/Lease/Exch.				
PW4056-3	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) PW4056-3	Now - Sale / Lease	Apollo Aviation Group	Erik Castillo	erikc@apollo.aero	+1 (305) 579-2340
(2) PW4056-3	Now - Sale / Exchange	AeroTurbine	Elizabeth Peters	epeters@aeroturbine.com	+1 (214) 263-1173
(1) PW4060-3	Dec 14 - Sale / Lease	Royal Aero	Frank Rustmeier	frank@royalaero.com	+49 (0)8025 99360
(4) PW4056	Now - Sale / Lease	Wing Capital	Ben Jacques	bjacques@wngcapital.com	+353 766025252
(1) PW4056-3	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(1) PW4060-3	Now - Sale / Lease	AerSale. Inc.	Steven Boecker	steven.boecker@aersale.com	+1 305 815-9855
(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
(3) PW4168A	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760 884250
(1) PW4168A	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(1) PW4168A	Now - Sale / Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 (617)828-3569
RB211 Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
(1) RB211-524	Now - Sale / Lease	AerSale. Inc.	Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) RB211-535E4	Now - Sale / Lease				
(2) RB211-535E4 /12B	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760 884250
(1) RB211-535E4	Now - Sale	World Star Aviation Services	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
Tay Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
Tay650-15	Now - Sale / Lease	Jetran, LLC.	Leo Nadeau	lnadeau@jetran.aero	+1 (512) 294-6727
Trent Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
(2) Trent 800	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) Trent 884	Now - Sale / Lease	Apollo Aviation Group	Erik Castillo	erikc@apollo.aero	+1 (305) 579-2340
V2500 Engines	**Sale / Lease**	**Company**	**Contact**	**Email**	**Phone**
(1) V2527-A5	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(1) V2533-A5	Now - Lease				
(1) V2527-A5	Now - Sale/Lease/Exch.		Elizabeth Peters	epeters@aeroturbine.com	+1 (214) 263-1173
(2) V2533-A5	Now - Sale/Lease/Exch.		or Andrew McCain	amccain@aeroturbine.com	+1 (786) 879-0830
1) V2533-A5 w/QEC	Now - Lease	Rolls-Royce & Partners Finance	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
(1) V2527-A5 w/QEC	Now - Lease				
V2500-A5	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) V2527	Now - Sale / Lease	TrueAero, LLC	Brent Corrie	bcorrie@trueaero.com	+1 561-310-3242
(1) V2533-A5	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werneraero.com	+1-703-402-7430
(1) V2527-A5	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 617 828-3569
(1) V2533-A5	Now - Sale / Lease				

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
A320 Fresh Part-out	Now - Sale	TrueAero, LLC	Raul Miro/Dave Walters	sales@trueaero.com	+1 772-925-8026
A320 Landing Gear with Fresh Tags	Now - Sale				
737-500 Fresh Part-out	Now - Sale				
PW4000, CFM56-3/5/7, V2500, CF34-3/8 Engine Stands and more	Now - Lease	Stands on Demand, Inc.	Yexceld Perez	yperez@standsondemand.com	+1 305-558-8973
APU131-9B, APU 331-500B	Now - Sale/Lease/Exch.	Logix.Aero	JC Morin	jcmorin@logix.aero	+33 647 824 262
APU GTCP 131-9B, GTCP 331-500B	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(1) APU GTCP331-200 and (2) APU APS 2000	Now - Sale / Lease	Phoenix Aer Capital	Bob Gallagher	REG@PACLLC.AERO	+1 727-376-9292
GTCP131-9A (P/N 3800708-1)	Now - Sale / Lease	Werner Aero Services	Christopher Farrell	cfarrell@werneraero.com	+1 201-661-6819
GTCP36-300A (P/N 3800278-4)	Now - Sale / Lease				
CFM56-7B Evol. LPT mod. Ass. 338-092-319-0	Now - Sale	Tradewinds Engine Serv.	Brad Pleimann	bpleimann@tesllc.aero	+1 954 421 2510
CFM56-5B/5C/7B and V2500-A5 engine stands	Now – Lease				
737-800 NOSE LANDING GEAR PN 162A1100-5, OH - Now Sale		Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
(1) PW901A	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
GTCP131-9B, PW901, (2) GTCP36-300, GTCP131-9A, (2) RE220RJ, GTCP331-350C, APS3200	Now - Sale/Lease/Exch.	Aeroturbine	Rodney Lee	ralee@aeroturbine.com	+1 972-813-1176