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AVITRADER WEEKLY AVIATION HEADLINES

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WORLD NEWS

BA 787s operational approval for Electronic Logbooks

British Airways received operational approval from the UK Civil Aviation Authority for use of Boeing's Electronic Logbook (ELB) on their 787 fleet. Developed in partnership with Ultramain Systems, Inc., ELB enables unprecedented levels of communication between flight crew, cabin crew and ground-based maintenance and engineering staff, which translates into better passenger service and greater airline cost savings.

U.S Regional Airline Association executive leadership shake up

The Regional Airline Association (RAA), an industry trade organization representing 29 North American regional airlines and nearly 200 associate members, announced that Roger Cohen has resigned as President, effective immediately. The RAA Board of Directors will form a search committee for the selection of a new President. The board has appointed Faye Malarkey Black to serve as RAA's interim President.

STG Aerospace receives STC approvals for next generation systems

STG Aerospace announced that it has received STC approvals from the Federal Aviation Administration (FAA) and the European Aviation Safety Agency (EASA) for its next generation, photoluminescent, emergency floor-path marking system. safTglo® SuperSeal UltraLite™ (SSUL) is now FAA and EASA approved for Airbus 320 and EASA approved for Boeing 747, 757 and 737 airplanes. Nigel Duncan, CEO of STG Aerospace, commented: "Obtaining these STC approvals for safTglo® SSUL is excellent news for us and for the airlines. As an innovator of light in the aircraft passenger cabin, STG is expanding the boundaries of lighting technology to help OEMs, airlines and MROs meet new challenges. "

Taiwanese aviation authority has suspended 29 TransAsia ATR pilots.

Photo: ATR

TransAsia faces pilot training dilemma

While Korean Air 'nutter' is jailed

The Taiwanese aviation authority has suspended 29 TransAsia Airways pilots a week after one of their planes crashed into a river. The airline has reportedly acknowledged the results were not acceptable and promised to improve the training of its pilots following the crash of Flight 235.

Civil Aviation Authority (CAA) in Taiwan said 10 of TransAsia's 49 ATR pilots had failed oral proficiency tests on handling the aircraft during engine failure. A further 19 pilots did not take the test, due to sickness or because they were not in Taiwan and were suspended until they could take the test. "The result is not acceptable for us," TransAsia CEO Peter Chen told a news conference. "We will definitely strengthen their training."

> "The result is not acceptable for us. We will definitely strengthen their training."
>
> *Peter Chen, TransAsia CEO*

One of the Pratt & Whitney engines on TransAsia Flight 235 went idle just 37 seconds after taking off, investigators have revealed. Taiwan's Aviation Safety Council believes the pilots may have then shut off the plane's other engine to attempt to restart both but did not have time before it crashed in Taipei.

Officials in Taiwan and other aviation experts have said evidence presented so far raises questions over whether the pilots may have accidentally cut power to the wrong engine.

The airline has offered U$470,000

Continued on page 3

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...continued from page 1

in compensation to the family of each victim. Taiwanese media reports that all the families so far had rejected the offer. Rescuers have now recovered the remains of the last missing passenger. 53 passengers and five crew were on board. Fifteen passengers survived.

Meanwhile courtroom drama has been unfolding in Seoul, South Korea. The court ruled that Korean Air executive Cho Hyun-ah had illegally altered the course of a plane. In December last year Cho, who is also the daughter of the airline chairman, ordered an international flight back to the gate at New York's JFK airport after becoming dissatisfied that her macadamia nuts were served in a bag instead of on a plate in first class. The A380 returned to JKF after Cho reacted with volcanic rage and ordered the cabin attended to be removed from duty.

Cho has been sentenced to a year in prison.

A Korean Air A380 returned to JFK after a nut rage. Photo: Airbus

AIRCRAFT & ENGINE NEWS

Dassault Aviation's new Falcon 8X takes to the air

Dassault Aviation's new flagship, the ultra-long range Falcon 8X, successfully completed its first flight a little more than one month after rollout. Aircraft 8X s/n 01 lifted off from Dassault Aviation's Mérignac plant near Bordeaux at 2:00 PM. The aircraft leveled off at 5,000 ft (1,500 m) and raised its landing gear before beginning flight handling maneuvers and system tests at 15,000 ft (4,500 m). It later climbed to FL400 (12,000 m) accelerating to Mach 0.80. The aircraft subsequently descended to 5,000 ft for approach and landing at 3:45 PM. Falcon 8X s/n 02 and 03 are scheduled to take to the air in the coming months. Each will take part in the flight test program that is expected to last around 500 flight hours. Serial number three will leave midyear for the Dassault Aviation completion facility in Little Rock, Arkansas, where it will be fitted with a complete interior and undergo a stringent system test campaign.

Luxair sign firm purchase agreement for up to five Q400 NextGen aircraft

Luxair signs order for five Q400 NG aircraft *Photo: Bombardier*

LUXAIR Société Luxembourgeoise de Navigation Aérienne S.A. ("Luxair"), the national airline of the Grand Duchy of Luxembourg, signed a firm purchase agreement for three Q400 NextGen aircraft and options on an additional two Q400 NextGen aircraft. Based on the list price of the Q400 NextGen aircraft, the firm order is valued at approximately US$100.3m and could increase to US$169.5m should Luxair exercise all its options.

Boeing, Transavia announce order for up to 20 Next-Generation 737-800s

Boeing and Transavia Company, a wholly owned subsidiary of the Air France KLM Group, announced an order for 17 Next-Generation 737-800s, including options for three additional airplanes. The order, valued at US$1.6bn at current list prices, was previously booked and attributed to an unidentified customer on the Boeing Orders & Deliveries website. The order will significantly support the growth of Transavia's operations from France and the Netherlands. The airline currently has a combined all-Boeing fleet of 45 Next-Generation 737s. Transavia Company has six bases, with Amsterdam's Schiphol Airport and Paris-Orly Airport as its main hubs, serving 110 destinations in Europe and North Africa. Passenger numbers reached 10 million in 2014.

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AIRCRAFT & ENGINE NEWS

GoJet Airlines to add CRJ900 aircraft to fleet

GoJet Airlines, a wholly owned subsidiary of Trans States Holdings, has entered into an agreement with Delta Air Lines to operate seven Bombardier CRJ900 aircraft under the Delta Connection regional service brand. Deliveries are slated to begin in June of 2015 and continue through October. The addition of these CRJ900 aircraft continues Delta's domestic fleet optimization plan focused on reducing 50-seat regional jets while improving the overall customer experience. GoJet Airlines currently operates a fleet of 47 two-class CRJ700 aircraft, of which 22 are in service for Delta. GoJet has provided regional service for Delta under the Delta Connection brand since 2011.

Volaris to lease two new Airbus A321-200s from Air Lease Corporation

Air Lease Corporation announced long-term lease agreements with Volaris, the ultra-low-cost airline serving Mexico and the United States, for two new Airbus A321-200 aircraft with Sharklets and powered by IAE V2533-A5 engines. Both aircraft are from ALC's order book with Airbus and scheduled for delivery in spring 2015.

American Airlines signs firm order for 24 CRJ900 NextGen aircraft

American Airlines has signed a firm order for 24 CRJ900 NextGen regional jets. This order was announced on December 30th, 2014 and followed American exercising 24 of 40 previously booked CRJ900 NextGen aircraft options. The options were originally acquired as part of American's large regional jet order announced in December 2013. As previously announced by Bombardier, based on the list price for the CRJ900 NextGen aircraft, the firm order is valued at approximately US$1.14bn.

Nepal Airlines fleet renewal underway with delivery of first A320

Nepal Airlines takes delivery of first A320 *Photo: Airbus*

Nepal's national flag carrier, Nepal Airlines Corporation (NAC) has taken delivery of the first Airbus A320 aircraft sporting a new striking company livery and equipped with Sharklet fuel-saving wing tip devices as the airline moves to an all Airbus jet fleet. With its home base in Kathmandu, the A320 was chosen for NAC's single aisle fleet for its unrivaled economics, performance and capability demanded by high-altitude airports. The aircraft has Required Navigation Performance (RNP) capability built-in, which enables the aircraft to fly precisely along predefined routes using state-of-the-art on-board navigation systems.

ATSG completes 767 Freighter lease to Cargojet

Air Transport Services Group released news that its Cargo Aircraft Management (CAM) subsidiary has completed a new six-year lease of a Boeing 767-300 freighter to Cargojet of Canada. This freighter is in addition to four other Boeing 767 freighters that CAM has leased to Cargojet, including two added in 2014. Together with agreements with DHL for the lease of two more 767 freighters starting next month, CAM expects to have 27 of its 45 Boeing 767 freighters under lease to third parties by the end of March 2015. The remaining aircraft are leased to CAM's airline affiliates to operate on behalf of other customers.

Embraer delivers first E-Jet to American Airlines

Embraer delivered the first of 60 firm order E175 jets to American Airlines under the con-

AIRCRAFT & ENGINE NEWS

tract signed between the two companies in December 2013. The contract also included options for another 90 E175s, taking the total order potential to 150 aircraft. American Airlines selected Compass Airlines, a wholly owned subsidiary of Trans States Holdings, to operate the first 20 E175 aircraft under the American Eagle brand. The E175s will be configured with 12 First Class, 20 Main Cabin Extra and 44 Main Cabin seats, for a total of 76 seats.

Waypoint Leasing signs purchase and leaseback agreement with RLC in Gulf of Mexico

Waypoint Leasing (Ireland), one of the largest independent global helicopter leasing companies, has closed on a multi-aircraft agreement with RLC, the largest privately held helicopter operator in the Gulf of Mexico. The initial transaction includes the purchase and leaseback of 10 helicopters, including the Bell 407 and Bell 206L4, supporting near-shore shelf production of natural gas in the U.S. Gulf of Mexico. This transaction brings Waypoint's portfolio to a total of 95 aircraft, valued in excess of US $1.1bn, and operating in 22 countries.

Spring Airlines receives its 50th A320

Spring Airlines receives its 50th A320 *Photo: Airbus*

Spring Airlines, an all Airbus A320 Family operator and China's first low-cost airline, has taken delivery of a new A320 at Airbus (Tianjin) Delivery Centre on lease from ICBC Financial Leasing, a leasing company owned by the Industrial and Commercial Bank of China. The newly received aircraft brings the carrier's total Airbus A320 fleet to 50. The aircraft, the 210th A320 Family aircraft assembled at the Airbus Tianjin Final Assembly Line, is powered by CFM 56 engines and is configured in an efficient lay-out with 180 economy class seats. Based in Shanghai, Spring Airlines has been an Airbus operator since July 2005.

Asiana Airlines to order 25 A321neo aircraft

South Korea's Asiana Airlines has signed a Letter of Intent (LOI) with Airbus for the purchase of 25 A321neo single aisle aircraft as part of its ongoing fleet modernization program. Seating 180 passengers in a two class layout, the new aircraft will be operated on the carrier's regional services, as well as on selected domestic routes. Asiana will make a decision on its engine of choice for the aircraft at a later date. The A321neo will join an existing fleet of A320 Family aircraft operated by Asiana Airlines and its low-cost subsidiary, Air Busan, with the A321 set to become the primary single aisle type at both units.

APEX Airlines takes delivery of one new ATR 72-600 from Air Lease Corporation

Air Lease Corporation delivered one new ATR 72-600 aircraft to APEX Airlines (Myanmar), a new customer for ALC. This aircraft is from ALC's order book with ATR. "ALC is pleased to add APEX Airlines as a new customer. This fuel-efficient ATR 72-600 will support APEX's growth in Myanmar's rapidly expanding commercial aviation industry," said Chi Yan, Vice President of Air Lease Corporation.

LCI to expand helicopter fleet with further AgustaWestland orders

LCI, the aviation leasing arm of The Libra Group, has committed to expand its helicopter fleet with firm orders for a further 11 AgustaWestland aircraft valued at US$125m (€110m). The new aircraft, which are converted from options held by the helicopter lessor, are made up of a mix of AW139, AW169 and AW189 aircraft. The aircraft will be delivered between 2015 and 2016, and take LCI's total fleet to approaching 90 aircraft. LCI's helicopters are already in service supporting deep sea oil and gas production, along with aero-medical transport and search & rescue roles.

Pratt & Whitney to provide PurePowere engines on MRJ Aircraft for Japan Airlines

Pratt & Whitney PurePower engines will provide exclusive power for 32 Mitsubishi Regional Jets (MRJ) under an agreement announced by Japan Airlines (JAL) and Mitsubishi Aircraft Corporation. PW1200G engines will power the aircraft and Pratt & Whitney will provide fleet management support services for the engines. Pratt & Whitney was previously selected as the exclusive engine provider for the MRJ. The Mitsubishi Regional Jet is a family of 70~90-seat next-generation aircraft featuring Pratt & Whitney's revolutionary PurePower engine and state-of-the-art aerodynamics to significantly reduce fuel consumption, noise and emissions, while offering top-class operational benefits, an outstanding cabin designed for heightened passenger flying comfort, and large overhead bins.

Korean Air orders five 777 Freighters

Boeing and Korean Air finalized an order for five 777 Freighters. The order, valued at more than US$1.5bn at current list prices, will add further efficiency and reliability to Korean Air's all-Boeing freighter fleet. As one of the world's largest cargo airlines, Korean Air currently operates an all-Boeing freighter fleet of 26 airplanes that includes 17 747-400 Freighters, five 747-8 Freighters and four 777 Freighters.

MRO & PRODUCTION NEWS

LMI Aerospace signs strategic agreement with Spirit AeroSystems

LMI Aerospace, a leading supplier of structural assemblies, kits and components, and provider of design engineering services to the aerospace and defense industries, has signed an agreement with Spirit AeroSystems to become a strategically aligned partner. The agreement supports a longer relationship for the two companies. "It's exciting to extend our partnering relationship with LMI. We at Spirit value their sustained commitment to high standards of quality and delivery dependability, and with our increasing production volumes, we will rely on it," said Alan Young, Chief Procurement Officer/VP Spirit Global Supply Chain. The majority of the components and assemblies covered by this agreement support the Boeing 737NG, 737MAX, 777 and 787 aircraft.

AAR now offers HALT/HASS product testing and technical support

AAR, the global aerospace and defense contractor that provides products and services to commercial and military fleets, announces it now offers accelerated reliability testing and engineering services for mission-critical products developed for aerospace/aeronautics, automotive, energy, transit/rail, industrial and medical devices at its facility in Goldsboro. Using specialized equipment, AAR performs Highly Accelerated Life Testing (HALT) and Highly Accelerated Stress Screening (HASS) to identify design weakness early in the product lifecycle. What's more, AAR test services provide advantages such as unparalleled technical support, consultation on stress profiles and flexible scheduling options. HALT/HASS testing is superior to analytical methods in identifying product weaknesses and reducing early life failures. The company plans to roll out additional engineering services, including advanced consultation on stress profiles; fixture design/build; test design and part monitoring; post-test reporting; physics of failure modeling; and design for reliability consultation.

OEMServices celebrates the opening of its new Service Center in Dubai – Jebel Ali Free Zone

Liebherr-Aerospace Dubai, Logistic Center *Photo: OEMServices*

OEMServices has celebrated the opening in Dubai of its new service center dedicated to the aerospace market. Located in Jebel Ali Free Zone (JAFZA), near Dubai (DWC and DXB) and Abu Dhabi (AUH) airports, this new center will benefit from its strategic location in the Middle East. "In the name of OEMServices, I am very proud, in front of such a prestigious audience, to celebrate the opening of this new service centre, in cooperation with one of our shareholders, Liebherr-Aerospace. This development highlights how OEMServices has been growing for a few years, in particular in the Middle East region. This modern facility is now a new step and the opportunity for OEMServices to consolidate our position in this strategic region and develop a wider range of services corresponding to the evolving needs of our customers," declared Didier Granger, President of OEMServices. The nearly 1000 m² warehouse, fully furnished and air-conditioned, will host the OEMServices operations (AOG Desk and Customer Support 24/7/365) and storage of aircraft parts. This platform will support the growth of expected airline fleets in the region, with the progressive introduction of new aircraft types during the year (Airbus A350 XWB and Boeing 787). The platform will serve as the coordination center between the original equipment manufacturer's station networks and airlines. OEMServices is a joint venture founded by four major OEMs: Diehl Aerospace, Liebherr- Aerospace, Thales and Zodiac Aerospace.

AV8 MRO acquires Hawker Landing Gear inventory

AV8 MRO has acquired a multimillion dollar inventory of Hawker Landing Gear and parts, substantially increasing their parts inventory and bringing the number of complete ship sets of landing gear for all series to 13. By entering into a formal agreement with Duncan Aviation, AV8 MRO will acquire Duncan Aviation's Hawker landing gear inventory and provide high quality landing gear exchange and overhaul options to Duncan Aviation and their customers. AV8 MRO offers three unique solutions for all Hawker landing gear needs, including the option to have the customer's landing gear sent in, overhauled and returned; an overhaul exchange; while independent of an overhaul, AV8 MRO can repair and or provide the specific parts needed to repair the landing gear. Located in Houston, TX, AV8 MRO is an FAA- and EASA-Approved Repair Station with the in-house capabilities to repair and overhaul all series of Hawker landing gear and major component parts.

Ameco Beijing provides engine PBH services for the first time

In February of 2015, Ameco signed an engine Power-by-the-Hour (PBH) contract with Shanghai Airlines, a wholly-owned subsidiary of China Eastern Airlines. Based on the contract, Ameco will provide engine overhaul, repair and other value-added services on 14 PW4000s from six Boeing 767s of Shanghai Airlines. This is the first time for Ameco to provide engine services under a PBH model. Under an engine PBH service model, the MRO suppliers will charge the airlines based on engine flight hours and other indexes. In comparison to a single charge business model, the flat rate of the PBH is beneficial for airlines to stabilize their maintenance costs and let them focus on their core business. Ameco is capable of providing PW4000 and RB211 engine overhaul. It is also developing overhaul capability on a new engine type.

C&L moves into larger aircraft market with CRJ 700

A CRJ 700 currently in C&L's hangar for heavy checks, modifications and painting marks the company's next phase of growth into the larger aircraft market. Already known throughout the aviation industry for its service to Saab 340s, Dash 8s and, more recently, CRJ 200s, C&L's US$5m expansion last year has allowed the

MRO & PRODUCTION NEWS

company to apply its solid history of safety and excellence to larger aircraft. C&L's 120,000-ft² facility, completed in 2014, tripled its previous hangar capacity and added a 17,000-ft² aircraft paint hangar capable of accommodating two CRJ 700s simultaneously. This growth, plus C&L's addition of nearly 20 skilled technicians, means that the company can service more and larger aircraft with increasing efficiency and shorter turnaround times. Several more CRJ 700s are queued for service at C&L after the current aircraft leaves the hangar.

Boeing opens propulsion systems facility in South Carolina

Boeing celebrated the opening of its new propulsion engineering and assembly facility in North Charleston. The team of engineers, manufacturing and support personnel at Propulsion South Carolina (PSC) are responsible for the design and assembly of the 737 MAX engine nacelle inlet, the design of the 737 MAX engine nacelle fan cowl, and the design and engineering integration for the 777X nacelle. PSC employees have worked in other Boeing South Carolina facilities while the new building was under construction. Propulsion South Carolina was established in May 2013 to build capability and capacity in integrated propulsion system design and assembly to support growth and enhance the performance of future airplanes. Boeing has relied on its supply chain to perform the majority of propulsion system design and assembly during the last 10 to 15 years, but is strategically bringing some of that work in-house. The 225,000 ft² (20,903 m²) facility will include state-of-the-art automated manufacturing equipment to efficiently assemble the 737 MAX engine nacelle inlets when production begins later this year. It also provides office space for engineering design, production and support staff.

STG Aerospace receives STC approvals for next generation, photoluminescent, emergency floorpath marking system

STG Aerospace has received STC approvals from the Federal Aviation Administration (FAA) and the European Aviation Safety Agency (EASA) for its next generation, photoluminescent, emergency floorpath marking system. safTglo SuperSeal UltraLite (SSUL) is now FAA and EASA approved for Airbus 320 and EASA approved for Boeing 747, 757 and 737 airplanes. STG Aerospace first launched safTglo in 1995. With its unique, patented, fully-sealed design that eliminates fluid ingress, safTglo is a low-cost, low-weight improvement over electrical emergency systems that can reduce maintenance costs by up to 80%. Hard wearing and long lasting, it requires no power source and can be easily retrofitted to almost any aircraft. Indeed, it has been approved and certified for installation on virtually every aircraft type and is the emergency floorpath system of choice for over 300 global airlines and 9,000 aircraft worldwide. SuperSeal UltraLite (SSUL) represents the next generation safTglo product and incorporates the same benefits of previous designs, but is 70% lighter – helping to reduce airline fuel costs – and 17% brighter too.

BAE Systems wins more collision warning upgrade work from Beoing 737/757 operators

BAE Systems has won business from two more European operators of Boeing 737 and Boeing 757 aircraft to upgrade existing Traffic Collision and Avoidance Systems (TCAS). The new business comes from Romania's flag carrier TAROM and Turkish-based MGA MaviGok Aviation and covers a total of 22 aircraft. Referred to as TCAS 7.1 the upgrade covers all models of the Boeing 737 from the Classic (Series 300-500) to the New Generation variants (Series 600-900) and also all models of the Boeing 757 (Series 200/300 and Boeing 757PF). TCAS 7.1 is the latest standard of this anti- collision software system and introduces two primary changes to the software logic to further improve safety in situations where two aircraft are either ascending or descending simultaneously, or to improve pilot responses when they are required to adjust vertical speed. This upgrade is a new standard that is mandatory from December 1st, 2015 for all aircraft flying in European airspace. TAROM's upgrade is for eight Boeing 737s comprising Boeing 737-300 Classics and Boeing 737-700 New Generation aircraft. These aircraft are used intensively on routes from Bucharest, across Europe, and to Africa and the Middle East. MaviGok Aviation's upgrades cover a fleet of 14 Boeing 737-800s and Boeing 757-200s that are operated by UTAIR Russia JSC, Katekavia (doing business as Azur Air) and UTAIR Ukraine as Air Operator Certificate holders on behalf of ANEX Tours to provide flights from Russia and Ukraine to holiday destinations in Europe, the Middle East and South-East Asia.

Delta TechOps now offers GE CF34-8 Aircraft Engine Maintenance Services to MRO Customers

Delta Air Lines' maintenance division and its maintenance, repair and overhaul (MRO) provider business, will now be offering six variants of the CF34-8 jet engine to its list of aircraft engines eligible for MRO services: CF34-8C5, CF34-8C5A1, CF34-8C5A2, CF34-8C5B1, CF34-8E5, CF34-8E5A1. As the best-selling regional jet engine in its class, the CF34 by General Electric has become a commercial aviation industry favorite. The CF34-8 aircraft engine can generally be found on Bombardier CRJ and Embraer regional jets. It has become the industry standard on 70 to 100 seat aircraft, and airlines have a critical need for expert CF34-8 jet engine maintenance that is performed cost-effectively with short turnaround times.

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FINANCIAL NEWS

Air Canada reports full year 2014 net income of CA$105m

Air Canada reported full year adjusted net income of CA$531m compared to adjusted net income of CA$340m in 2013, an improvement of CA$191m. EBITDAR (earnings before interest, taxes, depreciation, amortization and aircraft rent) amounted to CA$1.671bn compared to EBITDAR (excluding the impact of benefit plan amendments) of CA$815m, an increase of CA$196m from 2013. The airline reported net income of CA$105m in 2014 compared to net income of CA$10m in 2013. In the fourth quarter of 2014, Air Canada recorded operating income of CA$106m compared to operating income of CA$135m in the fourth quarter of 2013, a decrease of CA$29m. In the fourth quarter of 2013, Air Canada recorded a reduction of CA$82m in operating expenses related to benefit plan amendments, while no such adjustment was recorded in the fourth quarter of 2014. Air Canada recorded an operating margin of 3.4% compared to an operating margin (excluding the impact of benefit plan amendments) of 1.8% in the fourth quarter of 2013, an improvement of 1.6 points. For the fourth quarter of 2014, adjusted net income of CA$67m increased CA$64m from the same quarter of 2013. The airline reported fourth quarter EBITDAR of CA$319m compared to fourth quarter EBITDAR (excluding the impact of benefit plan amendments) of CA$277m in 2013, an improvement of CA$42m.

Copa Holdings reports net income of US$35.9m for fourth quarter

Copa Holdings reported net income of US$35.9m for 4Q14 as compared to net income of US$113.2m in 4Q13. Excluding special items, which for 4Q14 includes a non-cash loss of US$89.1m associated with the mark-to-market of fuel hedge contracts, and a US$0.4m loss related to devaluation of the Venezuelan Bolivar, Copa Holdings would have reported adjusted net income of US$125.3m compared to adjusted net income of US$141.8m or adjusted EPS of US$3.20 in 4Q13. Net income for full year 2014 reached US$371.4m compared to US$427.5m for full year 2013.

After seven profitable years Norwegian reports negative result for 2014

Norwegian's 2014 results are characterized by strong revenue and capacity growth as well as major investments for future expansion. Fuel hedging for 2015 for the amount of NOK459m (US$59.7m) was a considerable cost in 2014. Consequently, major costs for 2015 have already been covered. The company reported a net loss of NOK-1,050m (US$136.5m) compared to net profit of NOK322m (US$41.7m) in 2013. The company's total revenue was NOK19.5bn (US$2.5bn) – an increase of 25% compared to 2013. The production growth (ASK) increased by 35%, while the load factor remained high at 81%, up three percentage points from the year before. Norwegian carried 24 million passengers in 2014, an increase of 16% from previous year. The company's total turnover in the fourth quarter was NOK4.6bn (US$0.60bn), an increase of 22% from the same quarter previous year. The net loss was NOK-958m (US$124.5m) compared to net profit of NOK194m (US$25.2m) the year before. The airline carried 5.65 million passengers during the fourth quarter, which represents a passenger growth of eight percent. The capacity growth (ASK) was 21% and the load factor increased by one percentage point to 81%.

MTU Aero Engines achieves record performance in 2014

MTU Aero Engines has once again beaten its previous records. In the financial year 2014, revenues grew by 10% to a new all-time high of €3,913.9m (US$4,461.8m) (2013: €3,574.1m (US$4,074.5m)). MTU's operating profit rose from €377.4m (US$430.2m) in 2013 to €382.7m (US$436.3m). Earnings after tax amounted to €253.3m (US$288.8m) (2013: €238.6m (US$272.0m)).

The commercial engine business recorded the highest revenue growth in 2014, from €1,891.3m (US$2,156.1m) in 2013 to €2,116.8m (US$2,413.2m), an increase of 12%. The main sources of these revenues were the V2500 engine for the A320, the GP7000 for the Airbus A380, and the GEnx for the Boeing 787 Dreamliner and 747-8. Revenues in the military engine business increased by 6% to €531.5m (US$605.9m) (2013: €500.7m (US$570.8m)), with the key revenue driver being the EJ200 Eurofighter engine. Revenues in the commercial maintenance business rose by 7% to €1,298.9m (US$1,480.4m) (2013: €1,213.7m (US$1,383.6m). The key revenue driver in this case was the V2500. MTU's total order backlog amounted to €11,176.5m (US$12,741.2) at the end of 2014 (2013: €9,374.6m (US$10,687m), which corresponds to a production workload of around three years. "The order backlog in the OEM operating segment rose to a new record high of nearly €6.8bn (US$7.75bn)," commented Reiner Winkler, CEO of MTU Aero Engines AG. "The PW1000G family and the V2500 engines are the main contributors to orders and to future growth." The PW1000G family will be deployed in the Airbus A320neo, the Bombardier CSeries, the new generation of Embraer E-Jets, the Mitsubishi Regional Jet and the Irkut MS-21.

Bombardier Aerospace reports fourth quarter and year end results

Bombardier Aerospace's revenues amounted to US$3.3bn for the three-month period ended December 31st, 2014, compared to US$2.9bn for the same period last fiscal year, an increase of 15.8%. For the year, revenues totalled US$10.5bn, compared to US$9.4bn last fiscal year, an increase of 11.9%. Negative EBIT totalled US$1.3bn, or (39.2)% of revenues, for the fourth quarter, compared to EBIT of US$93m, or 3.2% for the same period last fiscal year. For the year, negative EBIT totalled US$995m, or (9.5)%, compared to EBIT of US$418m, or 4.5%, last fiscal year. For the fourth quarter, EBIT before special items totalled US$54m, or 1.6% of revenues, compared to US$94m, or 3.3%, for the same period last fiscal year. For the year, EBIT before special items totalled US$437m, or 4.2%, compared to US$388m, or 4.1%, last fiscal year.

Free cash flow amounted to US$29m (including net additions in PP&E and intangible assets of US$449m) for the fourth quarter ended December 31st, 2014, compared to US$87m (including net additions in PP&E and intangible assets of US$591m) for the same period last fiscal year. For the year, free cash flow usage amounted to US$1.1bn (including net additions in PP&E and intangible assets of US$1.9bn), compared to a usage of US$1.2bn last fiscal year (including net additions in PP&E and intangible assets of US$2.2bn).

Bombardier Aerospace delivered a total of 101 aircraft during the fourth quarter ended December 31, 2014, compared to 83 for the same period last fiscal year, and received 67 net orders, compared to 252, for the same period last fiscal year. The group delivered 290 aircraft for the year, compared to 238 last fiscal year. The net orders reached 282, compared to 388 last fiscal year. Its backlog reached a level of US$36.6bn as at December 31st, 2014, compared to US$37.3bn as at December 31st, 2013.

PASSENGER STATISTICS - JANUARY

• **American Airlines Group's** total traffic for the month was down 2.8% versus January 2014. Total capacity was down 0.2% versus January 2014. Total passenger load factor was 78.2% for the month of January, down 2.1 points versus January 2014.

• **Southwest Airlines** reported that traffic in January 2015 increased 8.6% from January 2014, while capacity increased 10.2% from the January 2014 level. The January 2015 load factor was 75.1% compared with 76.3% in January 2014.

• **UAL's** January 2015 consolidated traffic increased 1.1% and consolidated capacity increased 1.4% versus January 2014. UAL's January 2015 consolidated load factor decreased 0.2 points compared to January 2014 to 80.7%.

• In January, **Finnair's** overall capacity grew by 2.6% and traffic grew by 1.2% year-on-year. Passenger load factor was 76.5%, down 1.1 point compared to the previous year.

Rolls-Royce awarded production and support contracts valued up to US$442m for F-35B LiftSystem

Rolls-Royce awarded contracts for F-35B Liftsystem *Photo: Rolls-Royce*

Rolls-Royce has been awarded three contracts totalling up to US$442m to produce and support LiftSystems for F-35B Lightning II aircraft, including price reductions from prior contracts. The new contracts cover Low Rate Initial Production of 17 LiftSystems for F-35B aircraft, plus support, for two contract periods (LRIP 7-8), and were agreed between Rolls-Royce and Pratt & Whitney, the propulsion provider for the F-35 program. The LRIP 8 contract reflects a reduction in average price per LiftSystem since LRIP 6, as Rolls-Royce continues to demonstrate success in cost reduction efforts for the F-35 Lightning II program. LRIP7 also includes delivery of the 50th LiftFan for installation in an F-35B, as the LiftSystem continues to mature in production. The 50th LiftFan meets all Initial Operational Capability (IOC) requirements for the US Marine Corps.

MILITARY AND DEFENCE

German Air Force takes delivery of A400M Full Flight Simulator

The German Air Force (GAF) has taken delivery of a Full Flight Simulator (FFS) for the A400M aircraft provided by Airbus Defence and Space. The training device entered service at Wunstorf Air Base, where the GAF A400M fleet will be based, on January 8th and will be used to train about 60 GAF crews during its first three years in operation. Developed by Airbus Defence and Space and manufactured by Thales, it is a full replica of the A400M cockpit. As provider of a wide scope of training products and services to air forces, Airbus Defence and Space will deliver to the GAF additional training devices consisting of: a Flat Panel – Flat Training Device (FP–FTD), which is a cockpit partial simulator to train pilots prior to the FFS training; a Cargo Hold Trainer (CHT), which is a full 1:1 scale replica of the A400M cargo hold used to train loadmasters with real loading and unloading tasks, as well as to train parachutists; and a Cockpit Maintenance Operations Simulator (CMOS) which replicates the aircraft in 3D images and provides maintenance procedure simulations. These training devices are due for delivery by mid-2015.

OTHER NEWS

C&L Aerospace has been appointed an authorized installation center for **Blue Sky Network** satellite tracking and communication systems. C&L will offer the full line of Blue Sky's aviation network equipment and complete installations at its Bangor, Maine, facility. Blue Sky Network offers satellite tracking and communication systems for the aviation industry. Their web portal, New Sky Router, is a complete, cloud-based solution for tracking global assets, allowing users to manage their fleet without investing in or maintaining additional hardware and software. C&L is currently installing two Blue Sky Network products on an aircraft scheduled to leave the hangar this month.

British Airways received operational approval from the **UK Civil Aviation Authority** for use of Boeing's Electronic Logbook (ELB) on their 787 Dreamliner fleet. Developed in partnership with Ultramain Systems, ELB enables unprecedented levels of communication between flight crew, cabin crew and ground-based maintenance and engineering staff, which translates into better passenger service and greater airline cost savings. ELB runs on the airplane's Electronic Flight Bag and on-board server system to collect airplane flight data and crew-observed fault input, sharing that information with ground-based technicians and

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OTHER NEWS

maintenance systems while the airplane is still en route. Ground crews, along with needed parts and documentation, can be stationed at the gate to perform needed maintenance as soon as the airplane lands. This enables the airline to maximize maintenance process efficiency and minimize passenger delays. "Electronic Logbook will allow faster and more detailed communication between our crews and ground teams, which will benefit our customers", said Steve Frewin, British Airways Engineering 787 Fleet Chief. "We worked closely with Boeing and used our shared expertise and knowledge of the 787's full technology capabilities in order to receive this approval from the CAA. This development represents our commitment to investment in technology to further improve our customers' flying experiences."

Norwegian continues its cooperation with several big tour operators by entering new agreements with **TUI**, Thomas Cook and Nazar. The agreements mean that Norwegian will fly charter passengers to several destinations in the Mediterranean. The agreements are worth over NOK400m (US$52.00m) and include almost 2,000 flights. From London Gatwick, Norwegian will fly passengers to destinations in Spain, Greece, Italy, Cyprus and Portugal. From Sweden, Norway and Finland, Norwegian will fly travelers to destinations in Spain, Greece, Cyprus and Turkey.

Gogo, a leading global aero communications service provider, announced that its commercial aviation operation has earned AS9100 aerospace quality certification. AS9100 is the internationally recognized Quality Management System standard for the aviation, space and defense industries. The certification satisfies a major requirement that must be satisfied in order for Gogo's technologies to become a line-fit option with aircraft manufacturers. Gogo has held this certification for its business aviation operation for several years.

INDUSTRY PEOPLE

• **Timothy Wahlberg**, former CEO of Evergreen Helicopters and former Chairman of Helicopter Association International (HAI), joins Morten Beyer & Agnew ("mba") to lead its expanding helicopter division. Mr. Wahlberg will be responsible for valuation and investment analysis for the firm's global clientele.

• CHC Group, the parent company of CHC Helicopter, has appointed **Karl Fessenden** Chief Executive Officer and a member of the Board of Directors effective Feb. 9th, replacing **William Amelio**, who will be leaving the company. Mr. Fessenden joins CHC from GE, where over his 20-year career at the company he successfully led multiple global service business units, at GE Energy and GE Aviation.

• **Vincent Bourguet** has been named the Chief Executive Officer of SLCA, the Aircelle (Safran) affiliate specialized in the design and manufacturing of complex aerostructures – with expertise in composites. Bourguet comes to SLCA from the Sagem Company, where he was Head of the Airborne Control Units' Center of Industrial Expertise in manufacturing and supply chain.

• Bombardier reported that Mr. **Laurent Beaudoin** is retiring as Chairman of the Board of Directors after more than 50 years at the helm of the Corporation. He will remain on the Board with the honorary title of Chairman Emeritus. Mr. **Pierre Beaudoin** is appointed Executive Chairman, while Mr. **Alain Bellemare** becomes President and Chief Executive Officer and a member of the Board of Directors. These appointments will all be effective February 13, 2015.

Recommended Events

Routes Asia
March 15, 2015 – March 17, 2015
InterContinental Kunming

Operating Lease Masterclass (Advanced) 2015
March 23, 2015 – March 24, 2015
Park Plaza, County Hall London

Routes Europe
April 12, 2015 – April 14, 2015
Aberdeen Exhibition & Conference Centre

MRO Americas 2015
April 14, 2015 – April 16, 2015
Miami Beach Convention Center

EASA & Continuing Airworthiness Seminar 2015
April 20, 2015 – April 20, 2015
The Spencer, Dublin

Click here for more aviation events

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editor@avitrader.com

THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-112	Doric	CFM56-5B6/3	3589	2008	Mar 2015	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49.69.24755942
A319-112	Doric	CFM56-5B6/3	3818	2009	Mar 2015	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49.69.24755942
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	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
A321	GA Telesis	CFM56-5B2/P	434		Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
A321-100	GA Telesis	CFM56-5B2	494	1993	Q1/2015	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
A321-100	GA Telesis	CFM56-5B2	515	1995	Q1/2015	Sale	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	Q1/2015	Sale / Lease	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	Jan 2015	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-400	Safair Operations	Combi	26961		Mar15 ACMI/Wet lease/Sale		C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
B737-500	World Star Aviation Services	CFM56-3B1	26297	1994	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
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
B737-800	ORIX Aviation	CFM56-7B24	34182	2006	Q4/2015	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
B757-200	World Star Aviation Services	RB211-535-E4	24544	1990	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
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
B767-300ER	ORIX Aviation	PW4060	25285		Q1/2015	Lease	Cian Coakley	cian.coakley@orix.ie	+353 877760451
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	501-D22			Now - Wet Lease / ACMI		C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
MD82	GA Telesis	JT8D-200	53027	1990	Now	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
MD82	GA Telesis	JT8D-200	49991	1990	Now	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
MD82	GA Telesis	JT8D-200	53025	1990	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		145049	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis		145052	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis		145054	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis		145056	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis		145057	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis		145045	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis		145063	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis		145071	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis		145067	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.	Matthew White	matthew.white@aersale.com	+353 1475 3005
(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
(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

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Commerical Engines (cont.)

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				
(1) CFM56-5A3	Now - Sale / Lease	World Star Aviation Services	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
(1) CFM56-3B1	Now - Sale / Lease				
(1) CFM56-3C1	Now - Sale / Lease				
(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
(1) CFM56-3C1	Now - Sale	ORIX Aviation	D. Cunnigham		+353 871774524
(1) CFM56-3C1	Now - Sale		Mike Visconti	mike@avvenireservices.comn	+1 305 753-6106
(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				
(4) CFM56-3B1/C1	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**
(5) 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.				
(2) JT9D7R4	Now - Sale / Lease	Phoenix Aer Capital	Bob Gallagher	REG@PACLLC.AERO	+1 727-376-9292

Engines available for sale or lease?

To list your equipment in AviTrader´s weekly marketplace please contact Jenny Falk.
Email: jenny.falk@avitrader.com Phone: +49 (0)8761 346007

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
(2) PW2037	Q2/15 - Sale	Wing Capital	Ben Jacques	bjacques@wngcapital.com	+353 766025252
(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
			or Tom Leimkuhler	tom.leimkuhler@magellangroup.net	+1 (704) 504 9204 x256
(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
(1) PW4056-3	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(2) PW4060-3	Now - Sale / Lease	AerSale. Inc.	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) PW4060C-1C	Now - Sale / Lease	IAI	Michal Bulvik	mbulvik@iai.co.il	+972-3-9353612
(1) PW4060	Q1/2015 - Lease	ORIX Aviation	Cian Coakley	cian.coakley@orix.ie	+353 877760451
(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	Feb 15 - Sale / Lease				
(2) RB211-535E4 /12B	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760 884250
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				
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,	Now - Sale/Lease/Exch.	Aeroturbine	Rodney Lee	ralee@aeroturbine.com	+1 972-813-1176
GTCP131-9A, (2) RE220RJ, GTCP331-350C, APS3200					