

# AviTRADER WEEKLY AVIATION HEADLINES

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## WORLD NEWS

### American adds Premium Economy service

American Airlines will be introducing Premium Economy on its international widebody fleet. Premium Economy will be available in late 2016, and will offer a new class of service directly behind Business Class. American's first plane with Premium Economy seating will be its Boeing 787-9, which is expected to enter service in late 2016. American will also add Premium Economy to all Boeing 777-300ERs, 777-200ERs, 787-8s and Airbus A330s over the next three years. The Boeing 767-300s will not be retrofitted with Premium Economy as those aircraft are scheduled for retirement in the coming years.

### Adria Airways in IFE revamp

Slovenia's largest airline (1.13m passengers carried in 2014) has expanded, rebranded and transformed its traditional paper inflight magazine concept to create OnAir Magazine and OnAir Entertainment, twin content platforms available at the airline's website and onboard its aircraft. The inflight entertainment is part of a larger digital re-brand and creative content marketing strategy. The digital entertainment experience continues onboard Adria's fleet of 11 Airbus 319 and Bombardier CRJ aircraft, where OnAir Entertainment replicates and expands upon the website concept.

### EDM wins All Nippon Airways contract

UK based provider of training simulators announced a contract by All Nippon Airways (ANA) to supply a B777 Door Trainer. EDM will manufacture the Door Trainer before shipping and installing it at ANA's crew training centre in Tokyo. The Door Trainer will be used extensively to train by ANA's cabin crew to be trained in the proficient use of the B777 exit door under all normal, abnormal and emergency conditions.



Environmental concerns have delayed expansion at Heathrow.

Photo: Heathrow Airports Limited

## UK runway decision hold up Heathrow's third runway still in limbo

The British Government has delayed the decision on whether or not to expand London's Heathrow Airport. The UK Prime Minister, David Cameron had previously indicated that the decision would be made by the end of 2015, but now the UK Government requires further work on environmental impacts which will conclude in the summer of 2016.

There is widespread disappointment and anger that the UK Government has not yet accepted the unanimous decision by the Airports Commission that building a new runway at Heathrow Airport is the best solution. However, Heathrow

is still the front-runner – the Government acknowledged the clear need for one new runway in the south-east by 2030.

This also means that Gatwick Airport too is still in the race. Gatwick

million passengers a year is a tremendous achievement and sets a global benchmark for a single runway airport."

The Confederation of British Industry (CBI) an independent employers'

organisation responded and said delaying this decision on an issue of critical importance to the future prosperity of the

UK was disappointing.

Carolyn Fairbairn, CBI Director-General said: "We urgently need to increase our runway capacity to spur trade growth, investment and job

**"The case for aviation expansion is clear – but it's vitally important we get the decision right so that it will benefit generations to come."**

*UK Secretary of State for Transport Patrick McLoughlin*

is the world's busiest single runway operation. The south-London airport recently broke the 40 million passengers a year mark for the first time and is rapidly approaching full capacity. Stewart Wingate, Gatwick CEO, said: "To reach 40

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creation. Just eight new routes to emerging markets could boost our exports by up to £1 billion a year.

"But by 2025 - the earliest a new runway would be built - London's airports could already be operating at full capacity and the longer we wait the further we fall behind the likes of Amsterdam and Paris. If we don't have a new runway up and running by 2030 the cost to the UK will be as much as £5.3 billion a year in lost trade to the BRICs alone.

"It is of course essential that environmental conditions are met. But the Airports Commis-

sion spent three years analysing impartial evidence, at a cost of £20 million, and the National Infrastructure Commission was set up just two months ago to take an evidence-based approach to our needs. We cannot fall into the habit of simply commissioning new evidence, instead of the Government taking the tough decisions needed at the end of the process," Fairbairn continued.

The UK Secretary of State for Transport Patrick McLoughlin defended the decision and said: "The case for aviation expansion is clear - but it's vitally important



No decision yet on Heathrow's much needed third runway. Photo: Heathrow Airports Limited

we get the decision right so that it will benefit generations to come. We will undertake more work on environmental impacts, including air quality, noise and carbon."

## AIRCRAFT & ENGINE NEWS

### Braathens Aviation orders 4 additional ATR 72-600s

ATR and Stockholm-based Braathens Aviation have signed an agreement for the purchase of four additional ATR 72-600s. This announcement represents the conversion into firm orders of four options from a previous deal inked at the Paris Air Show in June 2015. On that occasion, ATR and Braathens Aviation had inked a deal for five firm ATR 72-600s and ten options. The aircraft will be operated by the group's subsidiary airline Braathens Regional. Braathens Aviation will progressively introduce its ATR '600s' fleet until the end of next year. The arrival of these nine brand-new ATRs, configured with 72 seats and mainly operated in flights to and from the Stockholm-Bromma airport, responds to the aim of Braathens Aviation to upgrade and optimize its regional aircraft fleet. These new ATR 72-600s will partially replace aging Saab 2000s and, in a second step, ATR 72-500s, thus adding seat capacity and introducing the latest standards of comfort and navigation tools in its overall fleet. The aircraft are also equipped with PW127M engines, which are certified to operate with biofuel, thus

### Jet2.com finalizes order for three additional Next Generation 737-800s



Jet2.com finalizes order for three NG 737-800s

Photo: Boeing

Boeing and UK Leisure Airline Jet2.com have finalized an order for three Next-Generation 737-800s. Jet2.com previously ordered 27 Next-Generation 737-800s in September 2015 and operates an all-Boeing fleet of more than 60 airplanes. Jet2.com is a subsidiary of Dart Group PLC, a UK Aim listed Leisure Travel and Distribution & Logistics Group. The Company commenced commercial aircraft operations in 1983 and passenger flights to sun destinations from Leeds Bradford Airport in 2003.

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## AIRCRAFT & ENGINE NEWS

further enhancing the environmental-friendliness of the ATR '600s' and giving Braathens the opportunity to provide an even greener service to passengers.

### Embraer Executive Jets delivers first Phenom 100E in China

Embraer Executive Jets has announced the delivery of the first Phenom 100E in China. The aircraft will be operated by Wanfeng Aviation Co., a subsidiary of Wanfeng Auto Holding Group. Based in Zhejiang province, Wanfeng Auto Holding Group is a large private joint-stock enterprise with businesses in automotive parts, machinery and financial investments, as well as alternative energy and materials.

### Air Lease Corporation announces lease placement of two new Boeing 787-9 aircraft with El Al

Air Lease Corporation has signed an agreement to lease two new Boeing 787-9 Dreamliner aircraft to El Al. Both aircraft are on long-term lease from ALC's order book with Boeing and are scheduled to deliver to Israel's flag carrier airline in the third quarter and early fourth quarter of 2017. These new Boeing 787-9 Dreamliner aircraft will replace older Boeing 747-400s in El Al's fleet and will be the first two 787s for the airline.

### Skyworld Aviation arranges the sale of an ATR 72-202 to Summit Air

Skyworld Aviation has arranged the sale of an ATR 72-202, serial number 444 to Summit Air of Canada. The aircraft was delivered on November 25th, 2015 and was flown to Toulouse to undergo a full cargo conversion, including the installation of a large cargo door prior to it entering into operation with Summit. The aircraft was previously registered as T7-COB and last operated by Royal Air Maroc Express.

### GECAS and Virgin America sign lease agreement for 10 Airbus A321neo aircraft

GE Capital Aviation Services (GECAS), the commercial aircraft leasing and financing arm of GE, has signed an agreement with Virgin America to lease 10 new Airbus A321neo aircraft powered by CFM's LEAP-1A engines to expand the carrier's fleet. The first aircraft is scheduled for delivery in Q1 2017 and the remainder will deliver in 2017 and 2018. All 10 aircraft are part of GECAS' existing order book with Airbus.

### EVA Air signs lease agreements for four new B787-9s and two B787-10s with ALC



EVA Air signs for four new B787-9s and two B787-10s

Photo: ALC

EVA Air (Taiwan) and Air Lease Corporation (ALC) signed long-term lease agreements for four new B787-9s and two new B787-10s. These aircraft are from ALC's Dreamliner order book with Boeing and will deliver from mid-2018 through early 2020. These placements will bring the number of new Boeing widebody aircraft that EVA Air will lease from ALC to ten, including four B777-300ERs already contracted.

### China Postal Airlines signs purchase agreement for 10 Next-Generation 737 Boeing Converted Freighters



China Postal Airlines signs for 10 NG 737 Boeing Converted Freighters

Photo: Boeing

China Postal Airlines has signed an agreement for 10 Next-Generation 737 Boeing Converted Freighters (BCFs), pending a program launch. The 737-800 is the first Next-Generation 737 that Boeing will offer for conversion. Through the 737 BCF program, Boeing will support customers in the narrow-body freighter market, a segment of the freighter market growing quickly around the world. China Postal Airlines joins Hangzhou-based YTO Airlines as a launch customer for the Boeing BCF program. China Postal's agreement with Boeing – which also includes the purchase of seven Boeing 757-200s that the airline plans to convert into freighters – marks the largest purchase order in the airline's history. The China air express market is forecast to be among the fastest growing segments of the world air cargo market. According to the Boeing World Air Cargo Forecast, world air cargo traffic will grow 4.7% per year over the next 20 years, with domestic China and intra-Asia markets expanding 6.7% and 6.5% per year, respectively.

## AIRCRAFT & ENGINE NEWS

### Air Lease Corporation signs lease agreement for one Boeing 737-800 with Far Eastern Air Transport

Air Lease Corporation has signed a long-term lease agreement with Far Eastern Air Transport (FEAT), an international airline based in Taipei, Taiwan, for one Boeing 737-800. The aircraft is presently on lease to a European carrier from early 2012 and will deliver to FEAT in June 2016. This is ALC's second 737 lease placement with FEAT, the first being a new 737-800 delivering in the second quarter of 2016, which was announced earlier this year.

### Zetta Jet expands fleet with purchase of one Global 6000 Business Jet

Zetta Jet has purchased a Global 6000 ultra-long-range aircraft with options for four additional Global 6000 business jets. If all options are exercised, the transactions are valued at approximately US\$318m, based on 2015 list prices for standard-equipped aircraft. The aircraft will operate out of the company's Asian hub in Singapore and will join Zetta Jet's current fleet of four Global aircraft, which also includes a brand-new Global 5000 purchased in the fourth quarter of 2015.

### Bombardier welcomes Arab Wings and Iraq Gate to family of CRJ Series aircraft customers

Amman, Jordan-based Arab Wings, and its joint venture partner Iraq Gate of Arasat, Baghdad, are now new CRJ Series aircraft owners and operators. Iraq Gate commenced service in March 2015 with its first CRJ200 aircraft, adding two more in recent months. Iraq Gate will initially operate the aircraft,

which were acquired by Arab Wings from a third party, on several domestic routes from Baghdad. Other domestic and international flights within and from Iraq are scheduled to follow. Arab Wings' fleet currently includes three Bombardier Challenger 604 aircraft and one Global 5000 aircraft that the airline utilizes to meet clients' travel needs in the region and worldwide.

### PEMCO redelivers 3rd B737 Freighter to Kahala Aviation

PEMCO World Air Services (PEMCO) has announced the redelivery of a B737-300F aircraft (MSN 27459) to Ireland-based Kahala Aviation. The freighter, converted at PEMCO's headquarters in Tampa, Fla., has now entered service. This conversion marks PEMCO's third redelivery of a B737-300 to Kahala since 2008. A fourth aircraft (MSN 27460) is also scheduled for redelivery during Q4 of 2015.

### China Southern Airlines to purchase 80 Boeing 737s

Boeing has reported that China Southern Airlines has announced a commitment to purchase 80 737s. The commitment includes a combination of 30 Next-Generation 737s and 50 737 MAX airplanes, valued at US\$8.38 billion at current list prices. The order will be posted on Boeing's Orders & Deliveries website once all contingencies are cleared.

### Turkish Airlines signs agreement for P&W's geared turbofan engines to power 92 firm A321neo aircraft

Turkish Airlines has signed a definitive agreement for Pratt & Whitney's PurePower PW1100G-JM engines to power its order of 92 firm A321neo aircraft,

the largest engine order in Turkish Airline's history. The order was originally announced during the 2015 Paris Air Show as a Memorandum of Understanding with 72 firm and 20 option aircraft. Deliveries are scheduled to begin in 2018. The deal is also the largest engine order in 2015 for Pratt & Whitney, representing a year of pivotal milestones as it leads the industry into a new age in aviation history.

### Delta Air Lines to add up to 20 Embraer 190 and 20 new Boeing 737-900ER jets

Delta Air Lines will add up to 20 Embraer 190 and 20 new Boeing 737-900ER jets acquired through a new agreement with Boeing. The agreement is part of the airline's continued strategy to improve its efficiency by adding additional 737-900ERs and upgrading its mainline fleet with the near 100-seat, twin-engine E190 jets while reducing the use of small regional aircraft. The order, announced on December 16th, offers Delta more compelling economics over a previously cancelled order that also included Boeing-held E190s. Expected to begin flying in early 2017, Embraer's unique cabin design in the E190 includes two-by-two seating throughout the Main Cabin, one-by-two in First Class, and large overhead bins and oversized windows. The additional Boeing 737-900ERs will bring the total in Delta's fleet to 120 by 2019.

### GECAS completes purchase-and-leaseback transaction for two Airbus A350s with Finnair

GE Capital Aviation Services (GECAS), the commercial aircraft leasing and financing arm of GE, today announced it completed a purchase-and-leaseback transaction involving two new Airbus A350-900 XWB aircraft with Finnair. The aircraft delivered in October and December and are part of Finnair's long-haul fleet renewal program.



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## MRO & PRODUCTION NEWS

### Goodyear wins Boeing 777X aircraft production supply contract

The Goodyear Tire & Rubber Company (GT) has been selected by Boeing to provide main nose and landing gear tires for its new 777X aircraft, which is scheduled for delivery in 2019. Building on the success of the Boeing 777 and 787 Dreamliner, the Boeing 777X will be the largest and most-efficient twin-engine jet in the world, unmatched in every aspect of performance, according to Boeing officials. Goodyear will supply its Flight Radial tire for the Boeing 777X. The Goodyear Flight Radial, Goodyear's most advanced aviation product, incorporates Goodyear Featherweight Alloy Core Bead Technology, the latest in Goodyear lightweight radial aircraft technology. It also contains a variety of other features, including strong, rigid tread belts with enhanced rubber that offer dimensional stability, longer service life and increased cut resistance.

### Norwegian Group expands cooperation with Lufthansa Technik

The Norwegian Group has extended the Total Base Maintenance Support TBS contract with Lufthansa Technik for its Boeing 737-800 fleet ahead of time. The MRO contract covering Boeing 787 wheels and brakes has also been expanded. Norwegian and Lufthansa Technik signed the first contract for a TBS covering the airline's Boeing 737-800 fleet already in 2012. Initially running over a period of five years, the airline has recently expanded and extended the contract. Beyond the existing fleet, the new contract also covers the future 737-800 fleet of the entire Norwegian Group. In addition to Norwegian Air Shuttle, this also includes Norwegian Air International, Norwegian Air UK and Norwegian Air Norway AS. For the first time, Lufthansa Technik will also perform end-of-lease checks, initially on eleven aircraft. As a Messier-Bugatti-Dowty Recommended Repair Center (RRC) for Boeing 787 wheels and brakes, Lufthansa Technik is also responsible for the wheels and brakes of Norwegian's Boeing 787 Dreamliner fleet. The corresponding agreement has also been extended and the volume doubled. Under contract at Lufthansa Technik since 2013, Norwegian currently has eight 787-800 aircraft in operation. From 2016 the airline will also start operating the Dreamliner's -900 version.

### N3 Engine Overhaul Services will start to overhaul A350 XWB engines in 2016

N3 Engine Overhaul Services (N3), the joint enterprise of Lufthansa Technik AG and Rolls-Royce plc.

### Vector Aerospace certified for Airbus Helicopters H130/EC130 tail rotor gearbox repair and overhaul



Vector Aerospace maintenance on H130 Tail Rotor Gearbox in Richmond BC  
Photo: Vector Aerospace

Vector Aerospace, a global independent provider of aviation maintenance, repair and overhaul (MRO) services, added the Airbus Helicopters H130 (formerly EC130 T2) and EC130 B4 tail rotor gearbox (TGB) to its existing range of rotorcraft repair and overhaul (R&O) capabilities. Vector will offer this expanded support for the H130/EC130 from its facilities in Langley and Richmond, BC, Canada, which already offer operators worldwide a range of services for Airbus Helicopters models including the H125/AS350, AS355, H130/EC130, BO105, H135/EC135 and AS332. Vector's service offerings for the H130/EC130 family include D-level structural repairs, dynamic component repair (DCR), including main and tail rotor gearboxes, plus scheduled maintenance including 12-year inspections. Vector is also an authorized Turbomeca Arriel 2 repair center, supporting operators in North America.

### SkyWork Airlines signs two-year contract with 328 Support Services



SkyWork Airlines signs two-year contract with 328 Support Services

Photo: 328 Support Services

328 Support Services GmbH has signed a two-year agreement for AOG support with SkyWork Airlines based in Bern, Switzerland. The arrangement will support the regional carrier's five Dornier 328 turboprops. The contract follows the successful completion of maintenance work undertaken on a SkyWork 328 turboprop at the company's Oberpfaffenhofen facility near Munich. The work was completed by 328's engineers in four weeks, leaving the hangar at the end of October 2015.

## MRO & PRODUCTION NEWS

for servicing and repairing large aircraft engines, will begin overhauling the latest Rolls-Royce engine, the Trent XWB, which powers the Airbus A350 XWB, from autumn 2016. Parent companies Lufthansa Technik and Rolls-Royce reached this agreement based on Deutsche Lufthansa AG's autumn 2013 decision to order 25 Airbus A350-900 aircraft. Deutsche Lufthansa is expected to take its first A350 into service in the second half of 2016 and will allow Lufthansa Technik to take care of its entire A350 fleet in all aspects of aircraft maintenance and spare part supply. In this extensive servicing concept, N3 Engine Overhaul Services is responsible for the maintenance and repair of the Rolls-Royce Trent XWB engines. N3 thus is expanding its product portfolio with a fourth Trent engine type. Now employing a staff of over 600, N3 currently overhauls around 100 civil large aero engines per year from the Rolls-Royce Trent 500, Trent 700 and Trent 900 series.

### Premier Aviation reports long-term heavy maintenance contract with Republic Airways Holdings

Premier Aviation Overhaul Center has signed a long-term agreement with Republic Airways Holdings for the provision of airframe heavy maintenance on Republic Airways' fleet of E-170 and E-175 aircraft. Republic Airways Holdings is the owner of Republic Airlines and Shuttle America. The airline currently operates a fleet of Embraer 170s, Embraer 175s, and Bombardier Q400s. Premier Aviation is Canada's largest independently-owned Aviation MRO service provider with facilities in both Canada and the U.S. The agreement has an initial term of two years, with options to extend, and will include a line of 47 E-175 heavy maintenance visits in the first year, and a partial line of E-170 aircraft that is scheduled for completion between February and June, 2016. Coming into effect on January 6th, 2016, the contract guarantees Republic long-term hangar capacity at Premier's Rome, New York facility. The Rome facility is located at the Griffiss International Airport (the former Griffiss Air Force base) and has 379,000 ft<sup>2</sup> of production capacity and multiple lines of aircraft maintenance. The agreement increases Premier's revenue growth and expands the company's customer base.

### Alcoa to supply multi-material fastening systems for every Boeing platform

Alcoa, a leader in lightweight metals, has signed long-term supply contracts with Boeing valued at over US\$2.5bn. Alcoa will supply multi-material fastening systems for every Boeing platform in its largest fastener deal ever. Alcoa will also supply

ready-to-install titanium seat track assemblies for the entire 787 Dreamliner family. Under one contract, Alcoa Fastening Systems & Rings will supply advanced titanium, stainless steel, alloy steel, aluminum and nickel-based superalloy fastening systems for every Boeing platform, including the 777X—Boeing's newest commercial airplane—the 737 MAX—scheduled for first delivery in 2017—and the 787 Dreamliner. Alcoa will produce these fastening systems at seven of its global manufacturing facilities. Alcoa also announced a second agreement under which it is the sole supplier of ready-to-install titanium seat track assemblies for all three members of the 787 Dreamliner family of airplanes. RTI International Metals (RTI)—now known as Alcoa Titanium & Engineered Products (ATEP)—has provided seat tracks for the 787-9 and 787-8 variants under a contract signed in 2007. This contract, as amended by RTI and Boeing immediately prior to the acquisition, reinforces ATEP's position on those variants and adds seat tracks for the 787-10. Seat tracks are critical structural assemblies that mount to the floor of the airplane, secure passenger seats and reinforce the structure of the fuselage. Titanium seat tracks are stronger, weigh less, and offer superior corrosion resistance compared with traditional materials. Alcoa is supplying the seat tracks, from raw material to finished part, by utilizing its titanium ingot melting and billetizing, extrusion, machining, processing and assembly capabilities gained through the RTI acquisition.

## FINANCIAL NEWS

### Avcorp Industries receives regulatory approvals for acquisition of Hitco Carbon Composites

Avcorp Industries has received all regulatory approvals related to the acquisition of the US-based composite aerostructures division of Hitco Carbon Composites, a subsidiary of Frankfurt-listed SGL Carbon SE. Closing conditions, as set out in the definitive agreement for the acquisition, are in the process of being satisfied as the Company works towards completion of the acquisition. The Avcorp Group designs and builds major airframe structures for some of the world's leading aircraft companies, including BAE Systems, Boeing and Bombardier.

### Boeing Board raises share repurchase authorization to US\$14bn; increases dividend 20%

The Boeing board of directors has raised the company's authorization for its share repurchase program to US\$14bn and declared that the company's quarterly dividend will increase 20% to \$1.09 per share. The new US\$14bn repurchase authorization replaces the US\$12bn authorization approved last December, of which US\$5.25bn remained. Share

repurchases for 2015 have been completed for a year-end total of US\$6.75bn. Repurchase activity is expected to resume in January 2016. The timing and volume of repurchases are at the discretion of Boeing management, however it is expected that repurchases under the new share authorization will be made over the next two to three years.

### mba provides maintenance cash flow forecast for CLAS US\$713m ABS deal

Morten Beyer & Agnew (mba) has provided Castlelake, L.P. with Maintenance Cash Flow Forecast and General Market Analysis for their Aircraft Securitization Trust ("CLAS 2015-1") consisting of fifty-four aircraft and six engines (the "Portfolio"), subject to twenty-three operators, spanning eighteen different countries. CLAS 2015-1 was made public last week totaling US\$713m in asset backed debt. The Portfolio contained wide-body, narrow-body, regional, turboprop, and spare engine assets manufactured by Airbus, Boeing, ATR, Bombardier, Embraer, CFM, and Pratt & Whitney.

### HEICO Corporation reports record net income for fourth quarter of fiscal 2015

HEICO CORPORATION has reported that net income increased 19% to US\$38.3m in the fourth quarter of fiscal 2015, up from US\$32.1m in the fourth quarter of fiscal 2014. Net income in the fourth quarter of fiscal 2014 includes a benefit of approximately US\$1.7m, from a net reduction in accrued contingent consideration and impairment losses related to a prior year acquisition. For the full fiscal year ended October 31st, 2015, net income increased 10% to US\$133.4m, up from US\$121.3m in the fiscal year ended October 31st, 2014. Operating income increased 28% to US\$69.0m in the fourth quarter of fiscal 2015, up from US\$53.7m in the fourth quarter of fiscal 2014 and increased 13% to US\$229.7m in the fiscal year ended October 31, 2015, up from US\$203.4m in the fiscal year ended October 31, 2014. Net sales increased 12% to US\$328.7m in the fourth quarter of fiscal 2015, up from US\$292.2m in the fourth quarter of fiscal 2014. Net sales increased 5% to US\$1,188.6m in the fiscal year ended October 31st, 2015, up from US\$1,132.3m in the fiscal year ended October 31, 2014.

### SAS posts positive income for financial year 2014/2015

SAS's operating income was SEK2,225m (153) for the fiscal year 2014/2015 and income before tax and nonrecurring items totaled SEK1,174m (-697). Income before tax amounted to SEK1,417m (-918) and income after tax was SEK956m (-719). The tax expense was SEK-461m (199) and included impairment of deferred tax assets in Blue1 of SEK-83m following the sale of the company in November 2015. The tax expense was also impacted by non-deductible expenses pertaining to the impairment

## FINANCIAL NEWS

of shares. The exchange-rate trend had a positive impact on revenue of SEK963m and a negative effect on operating expenses of SEK-2,456m, which included positive effects from currency derivatives of SEK809m. Accordingly, the exchange-rate trend had a negative impact on operating income of SEK-1,493m for the period. Revenue for SAS amounted to SEK39,650m (38,006). Adjusted for currency effects, revenue rose 1.7% year-on-year. Currency-adjusted passenger revenue increased 3.5%, primarily due to a higher yield. However, charter revenue was 16.8% lower year-on-year, which was attributable to lower volumes.

## MILITARY AND DEFENCE

### EPI and Malaysia Ministry of Defence sign TP400 support contract

EPI (Europrop International) and the Malaysia Ministry of Defence have signed a Letter of Acceptance (LOA) for a two-year contract for the support of TP400 turboprop engines powering the four Airbus A400M military transports ordered by the Royal Malaysian Air Force (RMAF). This is the first export support contract for the TP400. According to the terms of this contract, EPI will provide technical support services and spare parts management for a total of 18 TP400 engines. A team of three technicians will provide local support at the main operating base in Subang provided through GTA (Global Turbine Asia), a Malaysian Safran subsidiary.

### Airbus Helicopters delivers first two H145Ms to German Armed Forces

Airbus Helicopters has delivered the first two light-weight military multi-role H145M helicopters (LUH SOF) to the German Armed Forces (Bundeswehr). The helicopters will be used by the Kommando Spezialkräfte (KSK), the German Army's Special Forces, in Laupheim. The Bundeswehr, which is the launch customer for the H145M, has ordered 15 of these helicopters. The H145M is the military version of the civil H145 that entered service in the summer of 2014 and recently reached the milestone of 10,000 flying hours in customer operations. With a maximum take-off weight of 3.7 tons, the H145M can be used for a wide range of military operations including utility, reconnaissance, search and rescue, armed scout, and medical evacuation.

## OTHER NEWS

**Juneyao Airlines**, one of the fastest-growing regional airlines in China operating out of Shanghai,

China, has selected **Thales's** avionics suite for its new Airbus A320 Family fleet. The contract signed with Thales will equip an initial 17 Airbus single-aisle aircraft with the Thales Flight Management System (FMS), the navigation solution of choice for Airbus aircraft in China, alongside the THALES/ACSS T3CAS surveillance platform. The new fleet will also feature the Low Range Radio Altimeter (LRRR) and Emergency Location Transmitters (ELT).

**Delta Air Lines** and **KLM Royal Dutch Airlines** will launch a codeshare agreement with India's **Jet Airways** that will now provide new convenient travel options for customers flying from Europe and the United States via Amsterdam Airport Schiphol to India and beyond. Effective March 27<sup>th</sup>, 2016 and subject to government approvals, Delta and KLM customers flying from Europe and the United States to Amsterdam's Schiphol Airport will be able to connect to Jet Airways' new daily flights to New Delhi and Mumbai, with onward destinations that include Hyderabad, Bengaluru, Chennai, Ahmedabad, Kochi, Goa, Kolkata and Amritsar in India; Dhaka, Bangladesh; Kathmandu, Nepal; and Colombo, Sri Lanka.

**Air Astana**, the flag carrier of Kazakhstan, has reported that it has officially been removed from a list of airlines that have faced operating restrictions in the EU. In July 2009 all carriers of Kazakhstan were banned from operating to Europe while Air Astana was the only exception. The **EU's Air Safety Committee** had recognized that Air Astana's safety standards were fully compliant with the international standards and establish a system for safe flights, but had imposed a cap on the airline's existing number of services to the EU at the time. Those restrictions were lifted in February 2014, enabling the airline to expand its European route network. Earlier this year Paris was added to its European route network, joining London Heathrow, Frankfurt and Amsterdam. The EU Safety List, published at the beginning of December, coincides with the EC's adoption of its new Aviation Strategy for Europe. The list is essential to guarantee the highest level of air safety for European citizens, which is an absolute priority of the Commission. It complements the new authorization scheme for third-country operators, which started being phased in from June 2015. It will further boost air safety while cutting red-tape, the Commission stated.

**V Air**, a Taiwan-based LCC, entered the Japan market by launching its first Taipei-Nagoya service on December 15<sup>th</sup>. The inaugural flight ZV202 departed from Taipei Taoyuan International Airport, carrying 162 passengers, with an 85% load factor. The Taipei-Nagoya route is the fourth scheduled service of V Air, marking a new milestone on the carrier's one-year anniversary. V Air is offering 4 flights a week initially.

**EDM**, a leading provider of training simulators to

the civil aviation and defense sectors, has been awarded a contract by **All Nippon Airways (ANA)** to supply a B777 Door Trainer. EDM will manufacture the Door Trainer at its Manchester, UK headquarters before shipping and installing it at ANA's crew training centre in Ota-ku, Tokyo. Once onsite the Door Trainer will be used by ANA's cabin crew for training in the proficient use of the B777 exit door under all normal, abnormal and emergency conditions. The B777 Door Trainer will comprise a fully-functional main door and attendant seat, as well as features such as door mode selector, integrated door training malfunctions, gust lock, manual slide inflation handle, door assist handles, simulated audio sounds and exit lighting. The Door Trainer will be controlled via an intuitive, easy-to-use Instructor Operator Station.

**Global Eagle Entertainment (GEE)**, a worldwide provider of aircraft connectivity systems, operations solutions and media content to the travel industry, has announced a milestone deal with **Shareco** to launch GEE's AIRCONNECT inflight connectivity solution aboard ten aircraft operated by the **HNA Group of China**. Shareco will lead the commercial and operational planning for the program. GEE will provide its Airconnect inflight connectivity solution aboard five 737NG aircraft operated by **Hainan Airlines** and five A320 aircraft operated by Beijing Capital Airlines, both of which are part of the HNA Group. Using the Airconnect connectivity platform, together GEE and Shareco will provide passengers on both airlines with a broad range of customized inflight entertainment and connectivity services, including onboard internet access, online shopping and payment, live television, interactive games, on-demand music, movies, TV shows, and destination city services such as connecting gate information, weather, and flight tracking. GEE will also manage the STC certification process and provide ongoing IFEC technical support on behalf of Shareco and the HNA Group. Hainan Airlines and Beijing Capital Airlines passengers can expect to begin enjoying the advanced inflight entertainment and connectivity services in Q3 2016.

**Morpho (Safran)**, through its subsidiary **Morpho Detection**, has received a contract from Spain national airport operator **Aena, S.A.** to supply and service 290 Itemiser 4DX detectors. Following competitive operational testing closely supported by local partner **Alava Ingenieros**, Itemiser 4DX was selected to meet the requirements of new EU legislation for enhanced screening of passengers at more than 20 airports throughout Spain. Building on 15 years of Itemiser systems reliably protecting travelers at leading global aviation hubs, Itemiser 4DX quickly detects and identifies threats on skin, clothing, carried items, bags, vehicles and other surfaces. Currently approved for passenger and cargo screening throughout **European Civil Aviation Conference's (ECAC)** 44 member nations, approximately 900 Itemiser 4DXs have been shipped to airports throughout Europe. More than 23,000



## OTHER NEWS

Morpho threat detectors have been supplied to airports, air cargo facilities, law enforcement agencies and secure locations worldwide.

**Commsoft** has released that moreJet has signed a five-concurrent users, five-year contract for the use of OASES. Founded in 2013 and based in Hampshire, moreJet offers turnkey solutions from initial aircraft acquisition through to the complete management and aftercare of large business jets. The company will be using OASES initially in support of its CAMO approval application with the UK CAA, and subsequently for its planned ongoing CAMO activities across a variety of aircraft types, including Boeing's 737 'Classic' and Airbus aircraft in corporate aviation use. Commsoft's flagship product, OASES, is a MRO IT system which offers an industry-leading technical sophistication, whilst being intuitively user-friendly. To allow for scalability, OASES is structured in a modular format and moreJet has selected the Core, Airworthiness and Planning modules which will be hosted on Commsoft's OASES Cloud service.

**Jeppesen**, a part of **Boeing Commercial Aviation Services**, has teamed with **Emirates**, the Dubai-based international airline, to optimize crew planning operations. Emirates has now fully entered Jeppesen Crew Rostering services into its operations, which was introduced to improve efficiency and lower costs related to crew management functions, while respecting crew preferences. Jeppesen Crew Rostering is a component of a family of crew management solutions that optimize operations and increase efficiency for airlines. Jeppesen Crew Rostering takes into account numerous factors to create efficient roster assignments, including crew preferences, and all relevant constraints on duty time, rest time, days off, time zones and other factors.

## INDUSTRY PEOPLE

- **Craig Landry**, currently Vice President, Marketing at Air Canada, has been appointed President of the Air Canada Leisure Group. In his new position, Mr. Landry will be responsible for the integrated leisure group, which consists of the Air Canada Vacations tour operator business and the leisure airline Air Canada rouge.

- Boeing has elected **Heidi B. Capozzi**, a corporate senior vice president, and named her to replace **Tony Parasida** as the com-



## Recommended Events

### Aircraft Asset Management 2016

15-16 February 2016  
Cliftons, Singapore

### Air Cargo India 2016

23-25 February 2016  
Grand Hyatt, Mumbai

### Operating Lease Masterclass 2016

14-16 March 2016  
The California Club, Los Angeles

### EASA & Continuing Airworthiness Seminar 2016

18th April 2016  
Radisson Blu Hotel, Dublin

[Click here for more aviation events](#)

pany's human resources leader effective March 1<sup>st</sup>, 2016. Parasida, Senior Vice President Human Resources and Administration, has announced his intention to retire this spring after a 38-year Boeing career.



Tony Wood

- Rolls-Royce's President Aerospace **Tony Wood**, who has been with Rolls Royce for 15 years, will be leaving the company, though has agreed to stay on into 2016 to help with the transition. From January 1<sup>st</sup>, Rolls-Royce's principal activities will be consolidated into five principal businesses: civil aerospace, defense aerospace, marine, nuclear and power systems. The restructuring will see the merger of civil large engines (CLE) with civil small and medium engines' (CSME) businesses into a single civil aerospace entity which will be headed up by Rolls-Royce's current CLE president, **Eric Schulz**, under the title of President of Civil Aerospace. **Colin Smith**, presently the Company's group director of engineering & technology has been named as Group President, which will take effect from the January 1<sup>st</sup>, while **Chris Barkey**, who is the current director of CLE of engineering, will be taking over the position vacated by Smith. As another part of the management reshuffle, Rolls-Royce will name a new COO in 2016.

# AviTRADER

AviTrader Publications Corp.

Suite 305, South Tower  
5811 Cooney Road  
Richmond, BC  
Canada V6X 3M1

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## THE AIRCRAFT AND ENGINE MARKETPLACE

### Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	ORIX Aviation	V2522-A5	2501	2005	Q3/2017	Lease	James Sammon	james.sammon@orix.ie	+353 871381042
A320	Magellan Aviation Group	CFM56-5A1	333	1992	Dec 2015	Sale	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
A320-200	ORIX Aviation	V2527-A5	2680	2006	Q4/2017	Lease	Cian Coakley	cian.coakley@orix.ie	+353 877760451
A320-200	ORIX Aviation	V2527-A5	4603	2011	Q2/2017	Lease	Daniel Cunningham	daniel.cunningham@orix.ie	+353 871774524
A320-200	ORIX Aviation	V2527-A5	2642	2006	Q4/2016	Sale / Lease	Daniel Cunningham	daniel.cunningham@orix.ie	+353 871774524
A320-233	FPG Amentum	V2527-A5	3543	2008	Jun 2016	Sale / Lease	Jack Hynes	marketing@fpg-amentum.aero	+353 16398125
A320-233	FPG Amentum	V2527-A5	3524	2008	May 2016	Sale / Lease	Jack Hynes	marketing@fpg-amentum.aero	+353 16398125
A321-211	Bristol Associates	CFM56-5B3/3	5681	2013	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
A321-211	Bristol Associates	CFM56-5B3/3	5733	2013	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
A321-211	Bristol Associates	CFM56-5B3/3	5779	2013	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
A321-211	Bristol Associates	CFM56-5B3/3	5919	2013	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
A330-223	FPG Amentum	PW4168A	943	2008	Mar 2016	Sale / Lease	Jack Hynes	marketing@fpg-amentum.aero	+353 16398125
A330-223	FPG Amentum	PW4168A	962	2008	Mar 2016	Sale / Lease	Jack Hynes	marketing@fpg-amentum.aero	+353 16398125
A330-223	FPG Amentum	PW4168A	979	2009	Oct 2016	Sale / Lease	Jack Hynes	marketing@fpg-amentum.aero	+353 16398125
A340-300	ORIX Aviation	CFM56-5C4	273	1999	Now	Sale	Cian Coakley	cian.coakley@orix.ie	+353 877760451
B737-300	European Capital Corp.	CFM56-3B2	24634	1990	Now	ACMI/Wet Lease	Iacovos Yiakoumi	commercial@europeancapitalcorp.com	+35722873250
B737-300F	ORIX Aviation	CFM56-3B2	24710	1990	Q3/2015	Sale	Cian Coakley	cian.coakley@orix.ie	+353 877760451
B737-400	World Star Aviation Services	CFM56-3C1	24796		Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-400	Aersale	CFM56-3C1	26285		Dec 2015	Sale / Lease	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238
B737-400	Safair Operations	Combi	East Africa	Now	ACMI only		C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
B737-86J	Aersale	CFM56-7B26	30881		Q1/2016	Sale / Lease	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238
B747-400	GA Telesis	CF6-80C2B1F	28960	1998	Now	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B757-200	Castlelake	RB211-535E4	23566	1986	Mar 2016	Sale	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B757-200	Castlelake	RB211-535E4	23567	1986	Dec 2015	Sale	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B757-200	Castlelake	RB211-535E4	23568	1986	Apr 2016	Sale	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B757-200	mba aircraft solutions	RB211-535E4B	24580	1990	Now	Sale / Lease	Jacob Agnew	jagnew@mbaas.aero	+1 703 276 3202
B757-222	Bristol Associates	PW2037	25157	1991	Q1/2016	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B757-222	Bristol Associates	PW2037	25322	1991	Q1/2016	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B757-222	Bristol Associates	PW2037	25396	1992	Q1/2016	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B757-222	Bristol Associates	PW2037	25398	1992	Q1/2016	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B757-222	Bristol Associates	PW2037	25698	1991	Q1/2016	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B767-200ER	mba aircraft solutions	JT9D-7R4E	23180	1984	Now	Sale / Lease	Jacob Agnew	jagnew@mbaas.aero	+1 703 276 3202
B767-375ER	Jetran, LLC.		25865	1992	Now	Sale / Lease	Leo Nadeau	lnadeau@jetran.aero	+1 (512) 294-6727
DC8	Aersale	No engines	46094	1969	Now	Sale	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238
L100-30	Safair Operations		East Africa	Now	ACMI only		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
ATR72-500	Bristol Associates	PW127M	950		Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ATR72-500	Bristol Associates	PW127M	951		Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ATR72-500	Bristol Associates	PW127M	952		Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ATR72-500	Bristol Associates	PW127M	980		Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ATR72-500	Bristol Associates	PW127M	983		Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
DASH8-102	Magellan Aviation Group	PW121	113	1988	Now	Sale / Lease	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
DASH8-311	Magellan Aviation Group	PW123	266	1991	Now	Sale / Lease	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
E170	Magellan Aviation Group	CF34-8E5	59	2003	Dec 2015	Sale / Lease	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202



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## Engines available for sale or lease?

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Email: jenny.falk@avitrader.com Phone: +49 (0)8761 346007



### Regional Jet / Turboprop Aircraft (cont.)

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
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	AE3007-A1	145410	2001	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135LR	Bristol Associates	AE3007-A1	145413	2001	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135LR	Bristol Associates	AE3007-A1	145504	2001	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-145LR	Bristol Associates	AE3007-A1/3	145208	1999	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-145LR	Bristol Associates	AE3007-A1/3	145239	2000	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-145LR	Bristol Associates	AE3007-A1/3	145302	2000	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-145ER	GA Telesis		145035	1998	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
ERJ-145ER	GA Telesis		145029	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
<b>AE3007 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) AE3007A1	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
<b>CF34 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3B1	Now - Lease				
CF34-3A	Now - Sale / Lease				
(1) CF34-3A1	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF34-8C5/B1	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
(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
<b>CF6 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
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.	Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(1) CF6-80C2B6F	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) CF6-80C2A5	Oct 2015 - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) CF6-80C2B7F	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) CF6-80C2B6F	Now - Sale/Lease/Exch.	TES Aviation Group	Bechan Carpenter	Bechan.carpenter@tesaviation.com	+44 7795 636 034
(1) CF6-80C2B1F	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(1) CF6-80C2B7F	Now - Sale / Lease				
(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) CF6-80C2B6F	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(4) CF6-80C2B1F	Now - Sale/Lease/Exch.				
(2) CF6-80C2B7F	Now - Sale / Lease				
(2) CF6-80C2B7F	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 (617)828-3569
<b>CFM56 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
CFM56-3C1 (SV)	Now - Sale / Lease	TrueAero, LLC	Brent Corrie	bcorrie@trueaero.com	+1 561-310-3242
(1) CFM56-5C4/P	Now - Sale / Lease				
(1) CFM56-3C1	Now - Sale	European Capital Corporation	Iacovos Yiakoumi	commercial@europeancapitalcorp.com	+35722873250
(1) CFM56-3B2					
(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) CFM56-5B4P	Now - Sale / Lease	Royal Aero	Frank Rustmeier	frank@royalaero.com	+49 (0)8025 99360



## THE AIRCRAFT AND ENGINE MARKETPLACE

### Commerical Engines (cont.)

CFM56 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CFM56-5A1	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(8) CFM56-5C3F	Now - Sale		Kevin Milligan	kmilligan@gatelesis.com	+1-954-958-1912
(1) CFM56-5B	Now - Sale / Lease		Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CFM56-7B27/3B1F	Oct 15 - Sale/Lease/Exch.	AerSale. Inc.	Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(1) CFM56-5A1	Now - Sale/Lease/Exch.				
(1) CFM56-3C1	Now - Sale / Lease				
(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-5C4	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CFM56-5C4	Now - Sale	Orix Aviation	James Sammon	james.sammon@orix.ie	+353 871381042
(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.				
(1) CFM56-3C1	Now - Sale/Lease/Exch.	TES Aviation Group	Bechan Carpenter	Bechan.carpenter@tesaviation.com	+ 44 7795 636 034
(1) CFM56-3B2	Now - Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(1) CFM56-5B2/P	Jan 2016 - Sale / Lease	Castlake	Neil McCrossan	neil.mccrossan@castlake.com	+44-207-190-6119
(1) CFM56-5C3/F	Jan 2016 - Sale / Lease				
(1) CFM56-5B	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werner aero.com	+1-703-402-7430
(1) CFM56-7B	Now - Sale/Lease/Exch.				
(2) CFM56-7B24 (Non-TI)	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5B4/P	Now - Lease				
(2) CFM56-7B24/3	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) CFM56-3B1	Now - Sale / Lease	Jetran, LLC.	Leo Nadeau	lnadeau@jetran.aero	+1 (512) 294-6727
(1) CFM56-3C1	Now - Sale / Lease				
<b>GENx Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
GENx-1B74/75	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
<b>JT8D and JT9D Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) JT8D-200	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) JT8D-9A	Now - Sale	Rising Sun Aviation	Fred Van Acker	f.vanacker@risingsunaviation.com	+1 214-906-5635
(1) JT8D-17	Now - Sale				
(2) JT9D-7R4D	Now - Sale / Lease	Hartford Aviation Group	Anique Gorman	agorman@hartfordaviation.com	+1 914-235-2014
<b>PW Small Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) PW121 (Dash 8)	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) PW123B/D/E	Now - Sale / Lease				
(1) PW124B	Now - Sale / Lease				
(1) PW121 (ATR)	Now - Sale / Lease				
(1) PW127E/F/M	Now - Sale / Lease				
(1) PW150A	Now - Sale / Lease				
(2) JT9D7R4	Now - Sale / Lease	Phoenix Aer Capital	Bob Gallagher	REG@PACLLC.AERO	+1 727-376-9292
(2) PW121 (ATR)	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	ddesaulniers@willislease.com	+1 415 516 4837
(2) PW121-8	Now - Sale/Lease/Exch.				
(1) PW123	Now - Sale/Lease/Exch.				
(1) PW127	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(2) PW127F	Now - Sale/Lease/Exch.				
(2) PW124B	Now - Sale/Lease/Exch.				
(3) PW123	Now - Sale / Lease	Castlake	Neil McCrossan	NEIL.MCCROSSAN@CASTLELAKE.COM	+44 (0) 207 190 6119
PW127F	Now - Sale/Lease/Exch.	Logix.Aero	JC Morin	jcmorin@logix.aero	+33 647 824 262
PW127M	Now - Sale/Lease/Exch.				
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease				
PW123B	Now - Lease				
PW124B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW127M	Now - Lease				
PW150A	Now - Lease				
PW150 GRB	Now - Lease				
<b>PW2000 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) PW2037	Now - Sale / Lease	Castlake	Neil McCrossan	NEIL.MCCROSSAN@CASTLELAKE.COM	+44 (0) 207 190 6119
(2) PW2037	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(3) PW2037	Now - Sale / Exchange	AeroTurbine	Elizabeth Peters	epeters@aeroturbine.com	+1 (214) 263-1173



## THE AIRCRAFT AND ENGINE MARKETPLACE

### Commerical Engines (cont.)

PW4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(4) PW4056-1	Now - Sale/Lease/Exch.	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) PW4056-3	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) PW4060/62-3	Now - Sale / Lease				
(2) PW4056-3	Now - Sale / Exchange	AeroTurbine	Elizabeth Peters	epeters@aeroturbine.com	+1 (214) 263-1173
(1) PW4060C-1C	Now - Sale / Lease	IAI	Michael Michaeli	MMICHAEL@IAI.CO.IL	+972-52-3663068
(1) PW4062-3	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(1) PW4168A	Now - Lease				
(3) PW4056/60/62	Now - Sale / Lease	Hartford Aviation Group	Anique Gorman	agorman@hartfordaviation.com	+1 914-235-2014
(1) PW4060-3	Now - Sale / Lease	AerSale. Inc.	Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) PW4158-3	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) PW4062-3	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) PW4056-3	Now - Sale / Lease		Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(1) PW4168	Now - Lease	TES Aviation Group	Bechan Carpenter	Bechan.carpenter@tesaviation.com	+ 44 7795 636 034
(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) RB211-535E4B	Now - Sale	mba aircraft solutions	Jacob Agnew	inadegau@mbaas.aero	+1 703 276 3202
(1) RB211-535E4	Now - Sale / Lease	Jetran, LLC.	Leo Nadeau	lnadeau@jetran.aero	+1 (512) 294-6727
(1) RB211-535E4	Now - Sale / Lease	Castlake	Neil McCrossan	NEIL.MCCROSSAN@CASTLELAKE.COM	+44 (0) 207 190 6119
(1) RB211-535E4	Nov 15 - Sale / Lease	AerSale. Inc.	Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) RB211-524	Now - Sale / Lease				
(2) RB211-535E4	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(2) RB211-535E4B	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) RB211-535E4 /12B	Now - Sale/Lease/Exch.	TES Aviation Group	Bechan Carpenter	Bechan.carpenter@tesaviation.com	+ 44 7795 636 034
(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
(3) Trent 800	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) Trent 800	Now - Sale / Lease	AerSale. Inc.	Matthew White	matthew.white@aersale.com	+353 1475 3005
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.	AeroTurbine	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 - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
(1) V2527-A5 w/QEC	Now - Sale/Lease/Exch.				
(1) V2530-A5	Now - Sale / Lease	Royal Aero	Frank Rustmeier	frank@royalaero.com	+49 (0)8025 99360
(2) V2527-A5	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(1) V2500-A1	Now - Sale	Rising Sun Aviation	Fred Van Acker	f.vanacker@risingsunaviation.com	+1 214-906-5635
(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				
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
APU GTCP 331-500B	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
APU131-9B, APU 331-500B	Now - Sale/Lease/Exch.	Logix.Aero	JC Morin	jcmorin@logix.aero	+33 647 824 262
(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				
CFM56-5B/5C/7B and V2500-A5 engine stands	Now - Lease	Tradewinds Engine Serv.	Brad Pleimann	bpleimann@tesllc.aero	+1 954 421 2510
737-800 NOSE LANDING GEAR PN 162A1100-5, OH - Now Sale		Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
PW901A, PW901C	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
(1) CF34-8C - LPT Module	Now - Sale				
GTCP131-9B, PW901, (2) GTCP36-300,	Now - Sale/Lease/Exch.	Aeroturbine	Rodney Lee	rlee@eroturbine.com	+1 972-813-1176
GTCP131-9A, (2) RE220RJ, GTCP331-350C, APS3200					