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### **WORLD NEWS**

# Shanghai Pudong achieves record cargo tonnage

Shanghai Pudong International Airport Cargo Terminal (PACTL) has achieved tonnage growth of 13.84 % year-onyear, reaching a figure of 147,267 tonnes of freight in November. PACTL has thus reached the strongest monthly result in the company's history. PACTL's domestic cargo volume grew by 12.99% year-on-year to 9,744 tonnes in November while its international cargo volumes rose by 13.90% to 137,523 tonnes. Imports increased by 17.49% to 56,187 tonnes, while exports showed a growth of 11.70%, reaching a figure of 91,080 tonnes in November. "We were able to continue the strong performance of the previous months which was mainly supported by an ongoing increase of our operational efficiency and the positive development of our customer's business. We were thus able to further increase our market share," says Lutz Grzegorz, Vice President of PACTL. 47.8% of the air cargo handled at Shanghai Pudong International Airport in the first ten months of 2014 was processed by PACTL.

### BA first to maintain its own A380 evacuation slides

British Airways Interiors Engineering in Blackwood, South Wales will now overhaul slides for the airline's eight A380s. Overhaul services will include inflation systems checks, component repairs and replacements, as well as slide testing and repacking. The British Airways Interiors team of technicians will also certify the slides for up to three years. To achieve this new qualification British Airways' technicians underwent a thorough training programme at the slide maintenance manufacturer, UTC Aerospace Systems' training and maintenance facility in Phoenix, Arizona. A team of 10 British Airways technicians are already trained, with plans for more to follow.



45 million customers will travel on board U.S. airlines over the holiday period

Photo: Emirates

# Up, up and away

# Airlines prepared for record number of travellers

Airlines for America (A4A), the industry trade organisation for the leading U.S. airlines, released its 2014-2015 Winter Holiday Air Travel Forecast, projecting 45 million customers will fly on U.S. airlines during the 19-day period from December 17 through to

January 4, an increase approximately 2% or 47.000 daily travellers. Last year, 44 million customers were estimated to have travelled by air.

"We expect 45 million customers will travel on board U.S. airlines over the holiday period, and airlines are adding seats to the marketplace to accommodate the increase in demand," said John Heimlich. Vice President and Chief Economist for Airlines for America. "As more customers take to the skies this holiday season, travellers will continue to benefit from the significant investments U.S. airlines are making - to the

"Airlines continue to invest heavily in airport infrastructure and there is not a single project that is not being realised through existing funding resources."

Sharon Pinkerton, A4A Senior Vice President, Legislative and Regulatory Policy

tune of more than \$1 billion per month - into amenities at the airport and in the skies that further enhance the travel experience."

To accommodate the increased demand for air travel, airlines are

adding seats to the market, principally through the use of larger aircraft. Planes are projected to be 80% to 90% full over the winter holiday period, and the busiest travel day was Friday, December 19. The lightest travel days are expected to be December 24, 25,

> 31 and Thursday, January 1. Passenger volumes are expected range from 2 million to 2.5 million during the 19-day period, an in-

crease of approximately 10% over the average day in 2014.

Sharon Pinkerton, A4A Senior Vice President, Legislative and Regula-

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**Engine Leasing** 

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tory Policy said: "Airlines continue to invest heavily in airport infrastructure and there is not a single project that is not being realised through existing funding resources," said Pinkerton. "Since 2008, the 29 largest airports alone have started or completed over \$52 billion of capital projects, with significant airline support. We believe airports have adequate resources to fund necessary projects instead of raising taxes on airline customers, who contribute to airport revenues with every ticket they buy."

Across to Dubai Emirates carried over 80,000 people on December 19 alone on over 240 flights, according to the airline's latest booking figures. This represents an increase of almost 23% over last year. The busiest day for Dubai airline was December 19, although high passenger traffic is expected starting from 16 to 21 December. This year, Emirates top destinations out of Dubai include London, Bangkok, Mumbai, Singapore, Paris and Karachi.

In London, Heathrow airport processed 116,000 passengers on December 19 alone, making it one of the busiest days on record.



Emirates carried over 80,000 people on December 19

Photo: Emirates

# AIRCRAFT & ENGINE NEWS

### Canada Jetlines and Boeing sign purchase agreement for up to twenty one 737 MAX aircraft

Canada Jetlines (Jetlines) signed a definitive purchase agreement with Boeing to acquire up to twenty one Boeing 737 MAX aircraft for delivery commencing in 2021. The Agreement includes five firm orders, purchase rights for an additional sixteen 737 MAX aircraft, and some conversion rights to the 737-8 MAX aircraft. "This Agreement with Boeing is a major milestone for Jetlines," said Jim Scott, CEO of Jetlines. "We are thrilled to be partnering with Boeing. The agreement provides Jetlines access to leading-edge aircraft technology in the future."

### Finnair's first A350 XWB takes shape

The first A350-900 for Finnair is taking shape in the Roger Béteille Final Assembly Line (FAL) in Toulouse, France. Finnair will be the first European airline to fly the A350 XWB and the third operator in the world. Scheduled for delivery in autumn 2015 the aircraft is now in the fuselage section joining phase. Following this, the aircraft will move to wing junction, cabin installation and first power-on, all achieved in one single station. Once these phases are completed, the aircraft will undergo system tests, cabin completion, painting and engine installation before starting the delivery process, including flight testing. Finnair has a total of 19 A350 XWB on order. The aircraft will be deployed on Finnair's long-haul routes to Asia and America.

### FLY Leasing grows fleet to 127 aircraft with delivery of three Boeing 737-800s

Growing its fleet to 127 aircraft, FLY Leasing, a global lessor of modern commercial jet aircraft, announced it has delivered the last of three Boeing 737-800 aircraft to a leading Asian airline. The three new aircraft are on 10-year leases. "FLY has acquired 22 newer aircraft this year, while divesting of older models, which is transforming our fleet and driving strong growth in our lease revenues," said Colm Barrington, CEO of FLY. "For two consecutive years, FLY has grown its fleet by 15% or more, while at the same time returning capital to shareholders with its attractive quarterly dividend. With a strong balance sheet and a nimble strategy that allows us to act quickly to take advantage of opportunities in the market, FLY is in an excellent position to continue delivering both strong growth and income to its shareholders."

### Air Lease Corporation signs lease agreement with KALSTAR Aviation for one new ATR 72-600

Air Lease Corporation announced a long-term lease agreement for an additional new ATR 72-600 with KALSTAR Aviation (Indonesia), delivering from its order book with ATR in the second half of 2015. The aircraft will join two other ATR 72-600 aircraft already operated by the airline, also on long-term leases from ALC.

### Finnair signs MOU with German Operating Aircraft Leasing for sale and leaseback of three Embraer 190 aircraft

Finnair has signed a Memorandum of Understanding (MoU) with GOAL German Operating Aircraft Leasing GmbH & Co. KG for the sale and leaseback of three Embraer 190 aircraft. The transaction is expected to be closed by the end of March 2015. The value of the transaction is approximately 55 million euros at current market value and when closed, the transaction is not expected to have a significant impact on Finnair's 2015 operating result. The aircraft included in the arrangement are currently operated by Finnair's associated company, Flybe Finland. The aircraft lease agreements between Finnair and GOAL expire on average after 8 years. After the transaction is closed, Finnair will sublease the aircraft to Flybe Finland. The proceeds from the transaction will be used to finance Finnair fleet investments in the coming years. Finnair has ordered 19 Airbus A350 XWB aircraft.

### AeroCentury announces aircraft purchase

AeroCentury, an independent aircraft leasing company, announced the purchase from and leaseback to Adria Airways of two Bombardier CRJ900 aircraft. "These are our first CRJ900s," said



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# **AIRCRAFT & ENGINE NEWS**

Neal D. Crispin, President of AeroCentury. "Adria Airways, a Star Alliance member, is the national carrier of Slovenia and offers scheduled flights to twenty-two destinations throughout Europe. We are pleased to be adding a new aircraft type and a new customer at the same time."

# BOC Aviation finalizes order for two additional 737-800s

BOC Aviation has finalized an order for two additional 737-800s, valued at US\$186m at current list prices. The order is a part of the Singapore-based leasing company's effort to grow its portfolio of fuel-efficient airplanes. "Building on our order of 80 737 aircraft earlier this year, these two additional Next-Generation 737s enable us to respond to demand from airline customers which are expanding or replacing older fleets," said Robert Martin, BOC Aviation Managing Director and Chief Executive Officer. "The 737 is known for its operational and fuel efficiency and BOC Aviation expects continued healthy demand for the Next Generation 737 and 737 MAX."

### Avianca takes delivery of first 787 Dreamliner

Avianca took delivery of the first 787 Dreamliner for the Latin American carrier, helping the airline stay at the forefront of technology in the region. "The addition of the first Boeing 787-8 to Avianca's fleet is a milestone for commercial aviation and for our airline, which strives to bring the most advanced aviation technology to our passengers," said Avianca President and CEO Fabio Villegas Ramirez.

# Waypoint Leasing closes 31 aircraft acquisition from First Reserve

Waypoint Leasing (Ireland), a leading global helicopter leasing company, has closed the acquisition of a portfolio of 31 in-demand, new technology aircraft from First Reserve, the largest global private equity and infrastructure investment firm exclusively focused on energy. The portfolio includes 18 AgustaWestland AW139s, 11 Sikorsky S-92s and two Sikorsky S76C++ aircraft models. All aircraft are subject to long-term lease agreements with the CHC Group Ltd. (HELI), in support of global oil and gas and search and rescue operations. Through this acquisition, Waypoint increases its current fleet to 85 aircraft and total assets in excess of US\$1.1bn. The aircraft are on lease and generating revenue with 11 customers operating in 20 countries around the world in oil and gas, emergency medical service, search and rescue, firefighting, governmental support and other operations. Additionally, Waypoint has firm and option orders with aircraft manufac-

### AirAsia X places firm order for 55 A330neo aircraft



AirAsia X orders 55 A330neo aircraft

Photo: Airbus

AirAsia X, the long-haul affiliate of Asia's largest low-cost airline, has placed a firm order with Airbus for 55 A330neo aircraft. This is the largest single order to date for the best-selling A330 Family and reaffirms AirAsia X's position as the biggest A330 airline customer worldwide, having now ordered a total of 91 aircraft. The announcement covers the firming up of a Memorandum of Understanding (MOU) for 50 A330neos signed during the Farnborough Air Show in July 2014, plus an additional five aircraft. Deliveries of the newly-ordered aircraft will begin in 2018. Rolls-Royce has been selected by AirAsia X to power 10 Airbus A330ceo and 55 Airbus A330neo aircraft with engines and long-term TotalCare® support worth \$6.2bn.

### Alliance Air introduces first ATR 72-600



Alliance Air introduces first ATR 72-600 into its fleet

Photo: Alliance Air

Air India's fully-owned regional Subsidiary Airline Allied Services Limited under Brand Name "Alliance Air" introduced its first new ATR 72-600 aircraft into its fleet. The aircraft, leased from Singapore-based leasing firm Avation, is the first out of five that the airline will receive between now and July next year. This brand new ATR 76-600 is configured with 70-seats, and will bring additional capacity to passengers flying on the regional network of the airline across the country. Thanks to their new "Armonia cabin", the ATR 72-600s will also present to passengers the highest and most modern standards of comfort. Alliance Air currently has 4 ATR 42-320s among its fleet of regional aircraft. The outstanding performance of the ATR 72-600s make it the only 70-seat aircraft able to operate at each airport currently served by the airline. It also offers the lowest fuel-burn and seat-mile cost in its sector. The aircraft is fitted with Pratt & Whitney 127M engines, and features a full-glass cockpit with the most modern navigation aid tools.

## **AIRCRAFT & ENGINE NEWS**

turers for additional helicopters valued at more than US\$1bn at list prices, to be delivered over the next five years.

# Finnair completes sale of three Embraer 170 aircraft

On May 5th 2014, Finnair Aircraft Finance Oy, Finnair's fleet management subsidiary, signed a Memorandum of Understanding on the sale of three Embraer 170 aircraft to affiliates of Infinity Aviation Capital, a US-based aircraft leasing company. The transactions have now been finalised, and their total value was approximately US\$40m. The sale of the three aircraft does not have significant impact on Finnair's 2014 result. The transactions are a part of Finnair's aim to focus on its core business. After the sale, Finnair Aircraft Finance owns only aircraft operated by Finnair or its affiliated company Flybe Finland.

# Skyworks Leasing successfully completes multiple asset management transactions

SkyWorks Leasing has completed a lease extension of one B747-400 (s/n 24381) to United Airlines, on behalf of a U.S-based investor. In the preceding 12-month period, SkyWorks have also negotiated and arranged the following transactions on behalf of the same investor: long term lease extensions to United Airlines of one RR-powered B757-200 (s/n 27293) and one B767-300ER (s/n 29237); the lease return from United Airlines and subsequent sale to United Airlines of two PW-powered B757-200 airframes (s/n's 26685 and 26686), and the sale of the four related PW2037 engines to AAR Parts Trading, in two separate transactions.

# Hawaiian Airlines and Airbus sign purchase agreement for delivery of six A330-800neo aircraft

Hawaiian Airlines announced a definitive purchase agreement with Airbus, finalizing the Memorandum of Understanding announced earlier this year to acquire six new A330-800neo aircraft starting in 2019. The agreement replaces Hawaiian's previous order for six A350-800s. The transaction includes rights to purchase an additional six aircraft as part of the carrier's path to growth and increased efficiency. The A330-800neo widebody, powered by the recently launched Rolls Royce Trent 7000 engine, is similar in size to Hawaiian's A330-200 which seats 294 passengers in a two class configuration (First and Coach), and will incorporate aerodynamic enhancements that will increase range by up to 400-nautical miles and reduce fuel consumption by 14 percent per seat. The aircraft is the right-sized solution for the carrier's future growth strategy.

### GE Aviation ships 2,000th GE90 engine to Boeing for 777 aircraft

GE Aviation has shipped its 2,000th GE90 engine to Boeing for the 777 aircraft, a significant milestone in this influential engine program. "The GE90 engine along with the Boeing 777 aircraft helped revolutionize the twin-engine aircraft concept in commercial aviation," said Bill Millhaem, General Manager of the GE90/GE9X Program at GE Aviation. "Prior to its introduction, twinengine aircraft were not



GE Aviation shipped 2000th GE90 engine to Boeing

Photo: GE Aviation

viewed as a viable option for long-haul travel. Yet the proven performance and reliability of the GE90-powered Boeing 777 aircraft altered this mindset and made the engine-aircraft combination among the most successful long-range, wide body offering in service today." Close to 70 operators utilize GE90-powered Boeing 777 aircraft, with the 2,000th engine powering a Boeing 777-300ER aircraft. More than 500 GE90 engines are on the order book, which continues to increase. The GE90 engine family powers the Boeing all 777 models and is the exclusive powerplant on the 777-300ER, -200LR, and Freighter aircraft. Of the 2000 GE90 engine delivered to date, more than 400 were the earlier GE90-94B model and almost 1600 were the GE90-115B engine, which is the world's most powerful jet engine. The family has accumulated more than 45 million flight hours and 7 million cycles since entering service in 1995.

### **Etihad Airways receives first Airbus A380**



The first A380 for Etihad

Photo: Airbus

Etihad Airways, one of the world's leading airlines, welcomed the first of its ten new Airbus A380 aircraft. Etihad Airways is the thirteenth airline to operate the A380, and the aircraft is the 150th A380 delivered by Airbus. The delivery is set to boost capacity on several of Etihad's most in-demand routes, taking the airline to new heights as it continues to redefine the flying experience. Setting new benchmarks in on-board product, service, hospitality and style, Etihad Airways has invested in enhancing the passenger experience through the acquisition of Airbus' game changing A380. The A380 not only offers airlines increased capacity, long-haul range, fuel efficiency and improved performance, but also immense flexibility in cabin choices, as yet again demonstrated by Etihad Airways.

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## **MRO & PRODUCTION NEWS**

### New landing gear cooperation between Lufthansa Technik and SPPCA

SPP Canada Aircraft (SPPCA), a global provider of landing gear systems for commercial aircraft, has formed a business alliance for Product Support Services with Lufthansa Technik AG and Hawker Pacific Aerospace. Lufthansa Technik and its subsidiary, Hawker Pacific Aerospace, are two of the world's leading providers of landing gear maintenance and technical support services. All three parties have consolidated their partnership in a General Terms Agreement, after signing a Memorandum of Understanding in 2013. The agreement will allow customers to benefit from SPPCA's design and manufacturing know-how and Lufthansa Technik's MRO expertise as they provide aftermarket support services to SPPCA's landing gear components. "We look forward to providing excellent MRO solutions for SPPCA's landing gears and to supporting SPPCA with the quality, value and commitment to service that are critical to their success in this competitive market," says Andreas Tielmann, Vice President Aircraft Systems at Lufthansa Technik AG.

# HAITEC VIP Maintenance receives LBA approval

HAITEC Aircraft Maintenance GmbH was recently granted its Maintenance Organization Approval from Germany's Civil Aviation Authority (Luftfahrt-Bundesamt LBA) for its VIP Maintenance Division. VIP Maintenance commenced operations on November 20th, 2014, in its 4,300 m<sup>2</sup> hangar dedicated to VIP customers at the Airport Erfurt-Weimar, welcoming the first Gulfstream G550 owned by Silk Way Airlines, based in Baku, Azerbaijan. Currently, HAITEC VIP Maintenance, an EASA-Part 145 organization, has approvals for Gulfstream G550 and the Airbus 320 family and, besides Standard Line and Base Maintenance, will concentrate on cabin refurbishment and interior design applications. "Since 2008, HAITEC has been providing Line and Base Maintenance for almost all types of Boeing and Airbus aircraft, as well as the MD-11 and Gulfstream GV-SP. We have approvals from Russia, Qatar, the United Arab Emirates (UAE), Bermuda and Azerbaijan, and are in preparation for obtaining further approvals. Concurrently, our workforce planning is in full swing as we want to grow our VIP team in Erfurt to about 100 professionals by the end of 2017," says Michael Bock, CEO of HAITEC Aircraft Maintenance GmbH. The new VIP facilities in Erfurt are part of a grand investment of €30m to significantly increase HAITEC'S competitiveness and aircraft maintenance capacities over the course of the next three years.

# British Airways becomes first airline to maintain own A380 evacuation slides

British Airways has become the first airline to be

### **Embraer's Legacy 500 receives EASA certification**

Embraer's Legacy 500 executive jet was granted certification by the European Aviation Safety Agency (EASA) during a ceremony at its headquarters, in Cologne, Germany. This approval enables entry into service of the aircraft in the Member States of the European Union as well as in EASA associated countries. "EASA's certification is a very important achievement for the Legacy 500, which is introducing advanced technologies and superior comfort in the midsize class," said Marco Túlio Pellegrini. President and CEO of Embraer Ex-



Embraer Legacy 500 receives EASA certification

Photo: Embraer

ecutive Jets. "The approval of this revolutionary aircraft is a testament to our commitment to deliver true innovation to the market." The Legacy 500 has met or exceeded all performance expectations, having also received certification from Brazil's ANAC (Agência Nacional de Aviação Civil) in August and from the FAA (Federal Aviation Administration) in October. The Legacy 500 is now able to begin operations in Europe, Brazil, the United States, and in countries that require EASA or FAA certification. The first Legacy 500 was delivered to a Brazilian customer on October 10th.

given approval to overhaul its own A380 evacuation slides. British Airways Interiors Engineering in Blackwood, South Wales will now overhaul slides for the airline's eight A380s. Overhaul services will include inflation systems checks, component repairs and replacements, as well as slide testing and repacking. The British Airways Interiors team of technicians will also certify the slides for up to three years. To achieve this new qualification British Airways' technicians underwent a thorough training programme at the slide maintenance manufacturer, UTC Aerospace Systems' training and maintenance facility in Phoenix, Arizona. A team of 10 British Airways technicians are already trained, with plans for more to follow.

# Boeing selects GE Aviation for 777X common core avionics systems

GE Aviation has been selected by The Boeing Company to provide the Common Core System (CCS) and the Enhanced Airborne Flight Recorder (EAFR) for the Boeing 777X aircraft. Selecting the GE common core system and enhanced airborne flight recorder enables Boeing to bring the latest generation of proven capabilities from the 787 to the 777X. The 777X has 300 orders and commitments from customers Lufthansa, Etihad, Qatar, Emirates, ANA and Cathay Pacific. The latest systems technology for the 777X will touch two major GE Aviation facilities including the common core system and the enhanced airborne flight recorder from Grand Rapids, Michigan and the remote data concentrators from Cheltenham, United Kingdom. The CCS is often referred to as the "central nervous system and brain" of the airplane and hosts the aircraft's avionics and utilities functions, eliminating several boxes and reducing hundreds of pounds of wire. GE's CCS on both the 787 and 777X share common components and technologies and can be scaled up or down depending on customer needs. The CCS open system architecture significantly reduces the cost of modifying software so that the developer may only be required to test and certify functions that have been altered.

# MTU Maintenance signs exclusive total engine care contract with Air Costa

MTU Maintenance, one of the leading engine maintenance providers worldwide, has added another airline to its continuously growing customer list: Air Costa, India's newest airline has chosen MTU for the exclusive maintenance of its CF34-8/-10 engines operating its Embraer E170 and E190 fleet. Apart from engine maintenance, MTU will support Air Costa with LRU management and spare engines; Air Costa is thereby benefitting from the company's Total Engine Care program (TEC). The contract will run for 10 years and has a value of €25m. Air Costa is MTU's first customer from India and the first Indian E-Jet operator. Air Costa's engines will be overhauled at MTU Maintenance Berlin Brandenburg, an Authorized CF34 Service Provider and MTU's centre of excellence for industrial gas turbines. Since 2002, the company has maintained over 1,000 CF34 engines, both on- and off-wing, for over 100 customers worldwide. The shop currently has the capacity for over 200 shop visits per year.

# Boeing breaks ground in St. Louis for new composites center

Boeing began construction in St. Louis of a new 367,000-ft<sup>2</sup> facility in which it will build parts for the newest member of its 777 commercial airplanes family, the 777X. Approximately 700 new jobs will be created for the 777X work. Construction should be complete in 2016, with work on 777X wing and empennage parts starting in 2017. The facility is an expansion of Boeing's current tooling center at the site and will contain six autoclaves. "As we move forward with construction of our new center, we will significantly enhance our aerospace composite capability in St. Louis, positioning us for today's opportunities, and tomorrow's," said Bob Ciesla, Vice President, Boeing Military Aircraft Cross-Enterprise Design/Build. "This is a tremendous opportunity for Boeing St. Louis and the entire region, which

## **MRO & PRODUCTION NEWS**

enables us to bridge to the future as a site with both commercial and defense capabilities." Boeing's St. Louis site, which marked its 75th anniversary this year, is renowned for military aircraft production. More than 12,000 fighter jets have been built there and the site is headquarters for the Boeing Defense, Space & Security business unit. As of Dec.1, the company had about 15,000 employees in Missouri. Earlier this year, Boeing selected its Everett, Wash. site as the location for a new composite wing center for the 777X program. In this wing center, Boeing will perform fabrication and assembly of the 777X's composite wing. Additionally, Boeing will perform final assembly of the 777X in Everett.

# Boeing selects GE Aviation for 777X Common Core Avionics Systems

GE Aviation has been selected by Boeing to provide the Common Core System (CCS) and the Enhanced Airborne Flight Recorder (EAFR) for the Boeing 777X aircraft, as well as the Electrical Load Management System (ELMS), the Backup Generator and the Backup Converter. Selecting the GE common core system and enhanced airborne flight recorder enables Boeing to bring the latest generation of proven capabilities from the 787 to the 777X. The 777X has 300 orders and commitments from customers Lufthansa, Etihad, Qatar, Emirates, ANA and Cathav Pacific, The latest systems technology for the 777X will touch two major GE Aviation facilities including the common core system and the enhanced airborne flight recorder from Grand Rapids, Michigan and the remote data concentrators from Cheltenham, United Kingdom.

The advanced ELMS for the Boeing 777X will utilize the Boeing 777 ELMS design elements, to reduce aircraft maintenance time and cost, improving reliability and availability of aircraft power. With the ELMS, backup generator and backup converter for the 777X, GE will utilize their Electric Power Integration Center in Cheltenham, UK and their Electrical

Power Integrated Systems Center in Dayton, Ohio where they will employ state of the art dynamic software modeling, simulation and analysis to predict how the system and its individual components will perform, including full system testing within a copper-bird environment.

# Rockwell Collins to provide flight displays, integrated surveillance and select flight control systems for 777X

Rockwell Collins has been awarded a contract by Boeing to provide its next-generation, large-format flight displays, integrated surveillance system and select flight control systems as standard equipment on the Boeing 777X. This contract is in addition to Rockwell Collins' previously announced award to provide the Flight Control Module for the 777X Integrated Flight Control Electronics fly-by-wire system. Together, these awards rival the content that Rockwell Collins provides Boeing for the 787 Dreamliner and triples the amount of supplier-furnished equipment that it has on the 777X when compared to previous generations of the airplane. In addition, Rockwell Collins' Head-up Guidance System (HGS) will be available for the first time on a 777 airplane. The HGS, which is standard on the Boeing 787 Dreamliner and an airline-selectable system on the 737 MAX, projects an image onto a glass combiner mounted in front of pilots' eyes that displays essential flight information while they simultaneously look outside the flight deck, scanning for traffic or flying an approach.

# AFI KLM E&M includes 787 nacelles in maintenance offering

Air France signed an agreement with UTC Aerospace Systems (UTAS) to provide rotable provisioning (on lease and exchange) and MRO (maintenance, repair & overhaul) services on Boeing 787 nacelle Dreamliner components designed and manufactured by UTC Aerospace System's Aerostructures business unit. The agreement negotiated with UTAS paves the way for AFI KLM E&M to implement MRO ser-

vices for these products based on optimized processes, complex repairs and specific tooling. As a result, AFI KLM E&M is developing capabilities to handle shop or on-wing repairs to the component parts of the engine nacelles comprised of the thrust reversers, air intakes, fan cowls, exhausts, center bodies of both Rolls-Royce Trent 1000 and General Electric GEnx engines. The agreement also includes access to a dedicated stock of spares that allows AFI KLM E&M to offer leasing or routine replacement services to its clients.

# Marshall complements engineering, MRO and cabin upgrade capabilities with creation of aircraft refinishing facility

Marshall Aerospace and Defence Group has developed a dedicated aircraft refinishing facility aircraft for Boeing 747-400, 777 and Airbus A330-sized aircraft at its site in Cambridge, United Kingdom. The new aircraft refinishing facility, which opens its doors for business in early 2015, is located within a secure hangar at the Cambridge site, making it one of the largest in Europe able to handle special projects. This, combined with access to the Marshallowned Cambridge International Airport which has a 1,965m runway and boasts Category 7 Fire and Air Traffic Control status, makes it the ideal choice for commercial, VIP, corporate and military customers alike. Air Livery, the long-established and wellknown aircraft refinishing company, will be operating the facility on behalf of Marshall, making it Air Livery's sixth paint facility in the UK. Air Livery has extensive expertise in aircraft refinishing and interior repair and refurbishment.

### Pratt & Whitney signs PurePower Geared Turbofan engine partnering agreement with Kawasaki Heavy Industries

Pratt & Whitney and Kawasaki Heavy Industries signed a risk and revenue-sharing collaboration agreement for KHI to provide key hardware modules for Pratt & Whitney's PurePower Geared Turbofan (GTF) engines. Pratt & Whitney currently has



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10 worldwide GTF collaboration partners, many of which work across multiple GTF engine variants to be installed on various aircraft platforms for Pratt & Whitney customers. These aircraft programs are directed by Mitsubishi Aircraft Corporation, Bombardier Aerospace, Airbus, Irkut and Embraer. "Our collaboration on the GTF started in 2007 when our great partner, Mitsubishi Heavy Industries, selected the PW1200G Geared Turbofan engine for their Mitsubishi Regional Jet and soon after joined the program as a partner. Since then we have continued to seek risk-sharing relationships with GTF program participants," said Bernard I. Zimmerman, Vice President, Group Strategy & Development for Pratt & Whitney. Zimmerman's team is responsible for establishing and managing these risk and revenuesharing collaborations with various Pratt & Whitney "partners".

# Rolls-Royce commits to Derby as production hub for the Trent XWB

Rolls-Royce announced that Derby will be the production centre for the Trent XWB. The Trent XWB is the most efficient large aero engine with more than 1,500 engines sold to 40 customers to date. It is the sole power plant available for the Airbus A350 XWB. Rolls-Royce has invested around £30m expanding its Derby Assembly & Test Facility and installing new equipment, in order to meet customer demand for the engine. Over the next three to four years, Trent XWB production will grow to over 300 engines a year – the equivalent of one every working day – and will stay at that level for several years. The majority of these engines will be built in Derby. The engine is expected to be in service for many years, creating an annuity of aftermarket services that will generate revenues for decades to come. Almost ten years ago, Rolls-Royce made its commitment to Airbus that it would develop a new engine for its latest wide-body aircraft. Work on the engine began in 2006 and it is ready to power the first A350 XWB aircraft to be delivered to launch customer Qatar Airways later this month.

### Lufthansa Technik announces closer co-operation with Rolls-Royce in engine maintenance

Rolls-Royce and Lufthansa Technik AG are to explore closer co-operation in the technical care of mature engines. It follows a year-long pilot project intended to reduce the maintenance costs of mature Trent 500 engines which power the Airbus A340-500/600 aircraft. Rolls-Royce's expertise as the engine manufacturer and Lufthansa Technik's experience as one of the world's largest engine maintenance providers were combined in a pilot project. The question the pilot project pursued was: How can Trent 500 maintenance costs be reduced through the mature phase of the life-cycle? This work plays a significant

### Norwegian submits formal complaint about differential treatment to the EU and ESA



Norwegian files official complaint to EU and EASA

Photo: Norwegian

Norwegian wants equal conditions of competition in the Scandinavian aviation market and has therefore submitted a formal complaint regarding unlawful differential treatment in favour of SAS to the European Commission and ESA (EFTA Surveillance Authority). Discriminatory conditions and licencing practises prevent Norwegian from obtaining access to traffic rights on the same terms as SAS: in addition the differential treatment generates significant additional costs for SAS' competitors in Scandinavia.

Norwegian has for the past five years and on numerous occasions applied for and requested equal treatment and conditions to no avail. Every time, the rejections by the Scandinavian national aviation authorities have been justified by SAS' historically defined conditions and that its majority owners are the governments of Norway, Sweden and Denmark. The issue at hand revolves around a joint Air Operator Certificate (AOC) that SAS benefits from and that Norwegian is denied access to on equal terms. Norwegian has until now not filed a formal complaint to European authorities, hoping and trusting that Scandinavian aviation authorities would create an equal set of rules for all the companies operating in the same market. The European Aviation Safety Agency (EASA) has also criticized the special treatment and concluded that the preferential treatment is in breach of European law. Still it has prevailed. A major competitive disadvantage for Norwegian compared to SAS is its limited access to traffic rights - or the ability to open new routes. The joint Scandinavian AOC, which only SAS benefits from, gives access to traffic rights both within the EU and EFTA (Norway), an advantage not available to Norwegian as Norway is not a part of the EU. If Norwegian had the same traffic rights, it would be able to operate, for instance, flights between Helsinki and Dubai, London and Tel Aviv and Barcelona and Tel Aviv. Norwegian recently applied to the authorities to get access to these routes, but was denied because the airline does not hold an EU AOC.

element of ensuring Rolls-Royce has the capabilities to introduce TotalCare Flex, a concept to address the service needs of customers with mature-phase engines, including the Trent 500. Joint efforts on several Trent 500 engines made it clear that tangible reductions in costs were achievable through systematic changes in workscope, improved use of used material, and optimized processes in the workshops. Encouraged by the successful pilot project and great interest on the side of customers, the two project partners have agreed to explore options for longer-term cooperation, which may expand to include other engine types.

### FINANCIAL NEWS

# Finnair Board of Directors approves performance share plan for 2015-2017

Finnair Board of Directors has approved as a part of an existing long-term incentive arrangement a performance share plan, covering years 2015–2017, for the key personnel of the Finnair Group. The share plan is a part of Finnair's long-term sharebased incentive arrangement that Finnair Board of Directors approved in 2013, and which consists of annually commencing individual plans. The purpose of the share plan is to encourage the management to work to increase long-term shareholder value and also to commit the management to the company. The participants have the opportunity to earn Finnair shares as a long-term incentive reward if the performance targets set by the Board of Directors are achieved. The performance criteria applied to the 2015-2017 plan is ROCE (Return on Capital Employed) and TSR (total shareholder return). The number of employees eligible to participate in the plan is approximately 60 persons. If the targets set for the plan for years 2015-2017 are met, the estimated total value of the shares to be paid on the basis of this plan would be €1.6m, corresponding to approximately 630,000 Finnair shares based on current share price (gross before the payroll tax withholding). If the maximum targets are met, the estimated total value of shares to be paid would be approximately €3.2m, corresponding to approximately 1,270,000 Finnair shares (gross before the payroll tax withholding). The potential reward shares will be delivered to members of Finnair's Executive Board in three share tranches and for other participants in two tranches during the three or two years following the performance period, i.e.

## **FINANCIAL NEWS**

in years 2018–2020. The maximum value of shares delivered to an individual participant based on the share plan in any given year may not exceed 60 % of the employee's annual base salary.

# Abu Dhabi Commercial Bank provides financing for Etihad Airways' first A380-800

Etihad Airways, the UAE's national carrier, has received financing from Abu Dhabi Commercial Bank (ADCB) for its first Airbus A380-800 aircraft, which was showcased to the public for the first time on December 18th, at Abu Dhabi International Airport. ADCB is providing financing for one A380-800 aircraft following a competitive global request for proposal. The A380 is the first of a fleet of ten A380s on order from Etihad Airways to enter service. During the past ten years, Etihad Airways has raised more than US\$8 billion from 68 financial institutions to fund the purchase of aircraft and engines. Furthermore, Etihad has selected Abu Dhabi-based FGB and The National Commercial Bank (NCB) of Saudi Arabia to provide financing for the purchase of a number of its Boeing 787-9 Dreamliner aircraft. The financing from FGB and NCB is provided through Sharia-compliant facilities following a request for proposal issued in May this year, which saw high levels of interest from global banks and leasing companies.

# AAR reports second quarter fiscal year 2015 results

AAR reported second quarter fiscal year 2015 consolidated sales of US\$490.0m and net income of US\$15.2m. For the second quarter of the prior fiscal year, the Company reported sales of US\$540.7m and net income of US\$20.0m. Within the Aviation Services segment, sales decreased 11.1% to US\$377.7m. Supply chain sales to commercial and defense customers experienced double-digit growth but this was offset by lower sales of the Company's airlift and MRO services, although MRO facility utilization ramped up during the quarter. Comparability of financial performance for this quarter was also negatively impacted by the sale of two aircraft in the prior year period. Within the Technology Products segment, sales declined by 3.2%. Commercial and military cargo sales experienced double-digit growth offset by lower sales of mobility products.

# Boeing Board increases share repurchase authorization to US\$12bn

The Boeing board of directors increased the company's authorization for its share repurchase plan to US\$12bn and declared that the company's regular quarterly dividend will increase by 25% to 91 cents per share. "Strong operating performance

# Airbus Helicopters delivers first NH90 and first two HAD-E Tigers to the Spanish Ministry of Defense



Airbus Helicopters delivers the first NH90 and the first two HAD-E Tigers to the Spanish Ministry of Defense *Photo: Airbus Helicopters* 

Airbus Helicopters has completed official delivery of the first two Tiger helicopters in the new HAD-E version and the first NH90 GSPA tactical transport helicopter destined for the Spanish Army Airmobile Force (FAMET). These three helicopters were assembled in the Spanish plant in Albacete, which successfully carried out the industrial phase, airworthiness certification and technical acceptance. "Our close relationship with the Spanish Army and the different departments of the

Directorate-General of Armament and Equipment (DGAM) has been crucial to ensuring the success of these two high-tech programs" says Francisco Vergé, CEO of Airbus Helicopters España.

across our business continues to generate significant cash flow and financial strength for Boeing," said Jim McNerney, Boeing Chairman and Chief Executive. "That strength, coupled with the solid growth outlook for commercial aviation and Boeing's unmatched product and services portfolio, provides us with the foundation to continue our balanced cash deployment strategy, investing in our core programs while increasing shareholder value." The US\$12bn repurchase authorization approved today replaces the authorization approved in 2013 of which approximately \$4.8B was remaining. Repurchase activity for 2014 is now complete at \$6B and is expected to resume in January 2015. The timing and volume of repurchases are at the discretion of Boeing management, however it is currently expected that the share repurchases will be made over the next two to three years. Repurchases may be made on the open market or in privately negotiated transactions. Boeing's new dividend represents an 88 percent increase over the past two years.

# MILITARY AND DEFENCE

# Rockwell Collins awarded US\$420m ARC-210 radio contract

Rockwell Collins has received a US\$420m, four-year contract from the Naval Air Systems Command (NAVAIR) for continued deliveries of the ARC-210 advanced airborne software defined radio (SDR) system. Installed on more than 180 different aircraft platforms in 45 countries, the ARC-210 is considered the world's standard for airborne radios. This contract will ensure that U.S. and international military aircraft will continue to be fitted with this highly capable and reliable radio. The ARC-210 SDR provides Joint Precision Approach and Landing System (JPALS) UHF data link, SATCOM Integrated Waveform and Combat Net Radio capabilities and is certified with Tactical Secure Voice 2, making it the only modernized, qualified airborne software defined radio with such capability.

# OTHER NEWS

United Airlines will operate additional flights to Shanghai and Chengdu, China, from the airline's premier trans-Pacific gateway hub in San Francisco during the peak summer travel season. The current daily service between San Francisco and Shanghai will increase to two flights daily from May 6th to Oct. 24th, 2015, and the three-timesweekly service between San Francisco and Chengdu will increase to daily service from June 4th to Sept. 1st, 2015, both routes subject to government approval. United will operate the flights with Boeing 777-200 aircraft featuring a total of 269 seats. The new summer-season service will operate in addition to United's current daily year-round flights between San Francisco and Shanghai.

Global Eagle Entertainment, a worldwide leading provider of content, connectivity and digital media solutions to airlines, has been selected by WestJet to manage its inflight content services. WestJet is currently overhauling its existing inflight entertainment (IFE) system and replacing it with a wireless IFE solution. Global Eagle Entertainment (GEE) will provide a broad array of content that can be accessed by passengers using their personal electronic devices or tablets rented from the airline. Through this long-term agreement, GEE will provide a selection of current movies and television, including a wide catalog of engaging and entertaining programs, beginning in the first quarter of 2015.

Virgin America and China Eastern announce a codeshare agreement on December 16th to offer seamless booking and travel from Shanghai, China to multiple destinations across the United States. The new agreement will see China Eastern place its two-digit flight code (MU) on a range of Virgin America routes from Los Angeles and San Francisco – including West Coast flights to Boston, Chicago, Dallas Love Field, Fort Lauderdale, Las Vegas,

# **OTHER NEWS**

Newark, New York (JFK), Seattle, San Diego and Washington Dulles (IAD). This will open a world of choice and convenience for travel between Asia, China, and the United States, offering a one-stop booking process and one-stop check-in, including seamless boarding passes and baggage handling for the entire journey.

Taiwan-based **V** Air is off the ground for the first time with its maiden service from Taipei to Bangkok. The carrier's first flight, ZV005, took off from Taiwan Taoyuan International Airport at 6:40 a.m. with a nearly full load of passengers. The route will be operated daily, using an Airbus A321 aircraft. V Air brings everyday low fares to the Taiwan market. The airline will operate a brand new fleet of Airbus A320 and A321 aircraft in an all economy configuration and focus on markets in NE Asia and SE Asia – within a 4hour flight of Taiwan.

Alaska Airlines flight attendants approved a new five-year contract. Included in the new contract are quality of life enhancements and pay increases that rank Alaska's 3,400 flight attendants among the highest paid in the industry at every pay step. Under the Railway Labor Act, which governs collective bargaining agreements in the airline industry, contracts do not expire, they only become amendable. The previous agreement became amendable on May 1st, 2012 and the new contract will become amendable again on Dec. 17th, 2019.

### **INDUSTRY PEOPLE**

- William S. Ayer, former chairman and chief executive officer of Alaska Airlines and Alaska Air Group has been elected to its Board of Directors. He will serve on Honeywell's Corporate Governance and Responsibility and Management Development and Compensation Committees. Ayer was appointed CEO of Alaska Air Group in 2002 and became Chairman of the Board in 2003. He retired from the company at the end of 2013. Alaska Air Group, through its subsidiaries, provides passengers and cargo air transportation services in the United States.
- Per Wennberg, nominated to Finnair's Shareholders' Nomination Board by Skagen funds, has decided to resign from the Board following the decision of Skagen funds to sell their shareholding in Finnair. Skagen funds was one of the three largest shareholders of Finnair. According to the rules of the Shareholders' Nomination Board, the shareholder eligible to appoint the succeeding member



Click here for more aviation events

to Mr. Wennberg, is the fourth largest share-holder of Finnair PLC as of the first weekday in September 2014 based on the registered holdings in Finnair's shareholder register. The fourth largest shareholder was Ilmarinen, who has nominated Managing Director Harri Sailas to the Shareholders' Nomination Board. The other members of the Board are Eero Heliövaara, Director General of the Government Ownership Steering Department, Prime Minister's Office (Chairman); Robin Backman, Portfolio Manager, KEVA; and Klaus Heinemann, Chairman of Finnair's Board of Directors.

• Tom Williams, presently Executive Vice President Programmes at Airbus, will succeed Günter Butschek as Airbus Chief Operating Officer (COO) and will become a member of the Group Executive Committee of Airbus Group. Butschek has decided to leave the Group at the end of 2014 in order to pursue other career opportunities. Didier Evrard, currently Head of the A350 XWB programme, will succeed Williams and in this new function will become a member of the Executive Committee of Airbus. He remains A350 XWB programme director until his successor is appointed. Klaus Richter, Chief Procurement Officer of Airbus and Airbus Group, has been promoted to become a member of the Group Executive Committee of Airbus Group. In addition, he will become the national representative for Airbus in Germany.

# **AVITRADER**

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

Publisher Peter Jorssen Tel: +1 604 318 5207

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

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

For inquiries and comments, please email: editor@avitrader.com



### **Commercial Jet Aircraft**

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-112	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	CFM56-5B6/3	3831	2009	Q2/2015	Lease	Daniel Cunningham	daniel.cunningham@orix.ie	+353 871774524
A320-200	ORIX Aviation	V2527-A5	2651	2006	Q1/2016	Lease	Daniel Cunningham	daniel.cunningham@orix.ie	+353 871774524
A321	GA Telesis	CFM56-5B2/P	434		Nov 2014	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
A330-223	Amentum Capital	PW4168A	970	2008	Now	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
A330-223	Amentum Capital	PW4168A	943	2008	Mar 2015	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
A330-223	Amentum Capital	PW4168A	962	2008	Mar 2015	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
A330-223	Amentum Capital	PW4168A	979	2009	Oct 2015	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
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		Now ACMI/	Wet lease/Sale	C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
B737-400	Safair Operations	Pax			Now ACMI/	Wet lease	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
B737-800	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
B747-400ERF	Amentum Capital	CF6-80C2B5F	37303	2009	Now	Sale / Lease	Stephanie Sanford	marketing@amentum-capital.com	+353 16310333
B747-438	Jet Midwest Inc.	RB211-524G	25544	1992	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B747-438	Jet Midwest Inc.	RB211-524G	25546	1992	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B747-438	Jet Midwest Inc.	RB211-524G	25151	1991	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B757-200	World Star Aviation Services	RB211-535-E4	24544	1990	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B757-200	GA Telesis	PW2000	25156	1990	Now	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B757-223	Jet Midwest Inc.	RB211-535E4			Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B757-200PCF	AerSale	535E4-37/B	23767	1987	Oct 2014	Sale / Lease	Craig Wright	craig.wright@aersale.com	+1 (305) 764 3238
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	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	Castlelake	CF6-80C2B2	23902	1988	Q1/Q2	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	Castlelake	CF6-80C2B2	26847	1993	Q1/Q2	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	Castlelake	CF6-80C2B2	24764	1990	Q1/Q2	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	Castlelake	CF6-80C2B2	24765	1990	Q1/Q2	Sale / Lease	Joe Giarritano	joe.giarritano@castlelake.com	+1 612 851 3032
B767-200ER	GA Telesis	CF6-80A	22329	1987	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B767-200ER	GA Telesis	CF6-80A	22324	1986	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B767-200ER	GA Telesis	CF6-80A	22328	1986	Now	Sale / Lease	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B767-222	Jet Asia Aiways Co. Ltd.	JT9D-7R4D	21868		Now	ACMI, Wet L.	Kevin Lee	klee@flyjetasia.com	+1 310 944 0327
B767-246	Jet Asia Aiways Co. Ltd.	JT9D-7R4D	23214		Now	ACMI, Wet L.	Kevin Lee	klee@flyjetasia.com	+1 310 944 0327
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				Lease / ACMI	C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
MD-82	GA Telesis		49919		Now	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
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# ATR 72's for sale / lease

Pax / freight options, -200 / 212 / 500 models info@skyworld.co.uk Tel. + 44 1753 832088 www.skyworld.co.uk



## Regional Jet / Turboprop Aircraft

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		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
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

Commerical Engines	0-1-71	0			-
Multiple Types  Multiple Engines GE / CFM / RB211	Sale / Lease Now - Sale / Lease	Company GECAS Engine Leasing	Contact	Email	Phone
			Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
AE3007 Engines	Sale / Lease	Company Magallan Aviation Crown	Contact	Email	Phone
(2) AE3007A1	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi / Ray Marquess	ray.marquess@magellangroup.net	+1 (704) 504-9204
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	Oct 14 - Sale / Lease				
(1) CF34-8C5/B1	Now - Sale / Lease	Magellan Aviation Group	Ray Marquess	ray.marquess@magellangroup.net	+1 (704) 504-9204
(1) CF34-8C5	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 617 828-3569
(1) CF34-8C5	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	ddesaulniers@willislease.com	+1 415 516 4837
(1) CF34-10E6	Now - Lease				
(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
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		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) CF6-80C2B7F	Now - Sale / Lease		Steven Boecker	steven.boecker@aersale.com	+1 305 815-9855
(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 - Lease	AeroTurbine	Elizabeth Peters	epeters@aeroturbine.com	+1 786 925 8517
(2) CF6-80C2B6F	Now - Sale / Exchange				
(3) CF6-80C2B6F	Now - Lease				
(1) CF6-80C2B6 PMC	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(2) CF6-80C2B7F	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 (617)828-3569
CFM56 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CFM56-5A3	Now - Sale	Aeronautics Fund	Jerome Guichard	jg@afd.aero	+33 6 88 92 28 54
CFM56-5A1 (SV)	Now - Sale / Lease	TrueAero, LLC	Brent Corrie	bcorrie@trueaero.com	+1 561-310-3242
CFM56-3C1 (SV)	Now - Sale / Lease			-	
(1) CFM56-7B27	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 617 828-3569
(1) CFM56-5B1/P	Now - Lease	-		-	















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# **Commerical Engines** (cont.)

Commerical Engines (cont.)					
CFM56 Engines (cont.)	Sale / Lease	Company	Contact	Email	Phone
(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	f	+49 (0)8025 99360
	Now - Sale / Lease	r toyal / tero	Trank Rustincici	frank@royalaero.com	143 (0)0023 33300
(1) CFM56-5A3					
(2) CFM56-5B4P	Now - Sale / Lease				
(1) CFM56-5C4	Now - Sale / Lease				
(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	•		3	
(1) CFM56-7B27/3B1F	Dec 14 - Sale/Lease/Exch.	AarSala Inc	Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
, ,		Aeroale. Inc.	Alan Kende	Alan.Renoe@aersale.com	+333 679 393 334
(1) CFM56-3B1	Now - Lease				
(1) CFM56-3C1	Now - Lease				
(3) CFM56-5C4	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504-9204
(4) CFM56-3B1/C1	Now - Sale / Lease		Tom Leimkuhler	tom.leimkuhler@magellangroup.net	+1 (704) 504-9204
(6) CFM56-3C1	Now - Sale/Lease/Exch.	Lufthansa Technik Airmotive Irel.	Alan Phelan	engines@Itai.ie	+353-87-2786738
(1) CFM56-3B2	Now - Sale/Lease/Exch.			g	
	Now - Sale / Lease	Castlelake	Noil McCrosson	noil macroscon@coatloleka.com	+44-207-190-6119
(3) CFM56-7B		Castlelake	Neil McCrossan	neil.mccrossan@castlelake.com	+44-207-190-6119
(2)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.		•	<del></del>	
CFM56-5B(s)	Now - Sale/Lease/Exch.				
( )					
CFM56-7B(s)	Now - Sale/Lease/Exch.				
(1) 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				
(1) CFM56-7B24E	Now - Lease				
(1) CFM56-5A3	Now - Lease				
, ,					
(2) CFM56-5C4/P	Now - Lease				
(1) CFM56-7B24/3	Now - Lease				
(6) CFM56-3C1	Now - Sale / Exchange	AeroTurbine	Elizabeth Peters	epeters@aeroturbine.com	+1 786 925 8517
(1) CFM56-5C3/G	Now - Sale / Exchange				
(1) CFM56-5A1	Now - Lease				
(2) CFM56-3C1	Now - Lease				
, ,	Now - Lease				
(1) CFM56-3B1					
(1) CFM56-5A3	Now - Lease				
(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				
		TEO Asiation Occurs	1 10//-14 - 1 4	l	. 44 (0) 7700004050
(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
(1) JT8D-217C/219	Now - Sale / Lease	Azure Resources	Jeff Young	jeff@azureres.com	+1-954-249-7935
(6) JT8D-200	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) JT8D-219 or -217	Now - Sale / Lease	Jet Midwest			+1 310 652 0296
- <del>``</del>			Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	_
JT9D Engines	Sale / Lease	Company	Contact	Email	Phone
(1) JT9D-7R4D overhauled	Now - Sale / Lease	Jet Midwest	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
(34) JT9D-7R4D	Now - Sale / Lease				
(2) JT9D7R4	Now - Sale / Lease	Phoenix Aer Capital	Bob Gallagher	REG@PACLLC.AERO	+1 727-376-9292
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
, ,			David Desaulilleis	adeadainiera@wiiiiaiedae.com	1 710 010 400/
(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
(various) PW127B	Now - Sale / Lease	Jet Midwest	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
(1) PW150A	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
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Comn	nerical	Engine	S (cont.)

PW Small Engines (cont.)	Sale / Lease	Company	Contact	Email	Phone
PW127E/F/M and PW150A	Now - Sale / Lease	Magellan Aviation Group	Ray Marquess	ray.marquess@magellangroup.net	+1 (704) 504-9204
PW121, PW123, PW124B, PW125B,	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504-9204
PW100s (all models)	Now - Sale / Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
(5) PW150A	Now - Lease				
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
(2) PW2037	Now - Sale / Exchange	AeroTurbine	Elizabeth Peters	epeters@aeroturbine.com	+1 786 925 8517
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
(4) PW4056/60/62	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi / T. Leimkuhler	tom.leimkuhler@magellangroup.net	+1 (704) 504-9204
(1) PW4056-3	Now - Sale / Lease	Apollo Aviation Group	Erik Castillo	erikc@apollo.aero	+1 (305) 579-2340
(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
(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	Now 14 - Sale / Lease	, ior care. Inc.	mataren rrinto	att.row.m.no@aoroalo.so	7000 1110 0000
(2) RB211-535E4B	Now - Sale / Lease	GA Telesis	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
(1) RB211-535E4	Now - Sale / Lease	Fortress Investment Group	Tom McFarland	Aviation@fortress.com	+1 305-520-2349
(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
Tay Engines	Sale / Lease	Company	Contact	Email	Phone
(multiple) Tay 650-15	Now - Sale / Lease	Jet Midwest	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
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	77	7 1111 200	a.00@	1 (110) 100 1100
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		,g	,,	
(1) V2527-A5	Q4/2014 - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(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	g		,	
(1) 1200110					
Aircraft and Engine Parts, Co	omponents and M	lisc. Equipment			
Description	mpononto una n	Company	Contact	Email	Phone
	Now - Sale	TrueAero, LLC	Raul Miro/Dave Walters		+1 772-925-8026
A320 Fresh Part-out	Now - Sale	Huchero, ELO	radi Willo/Dave Walters	saics@itucacro.com	11112-323-0020
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		REG@PACLLC.AERO	+1 727-376-9292
· · · · · · · · · · · · · · · · · · ·		·	Bob Gallagher		
APU 3800298-1-2 (B767) GTCP131-9A (P/N 3800708-1)	Now - Sale / Lease	Jet Midwest	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296 +1 201-661-6819
,	Now - Sale / Lease	Werner Aero Services	Christopher Farrell	cfarrell@werneraero.com	T1 ZU1-001-0819
GTCP36-300A (P/N 3800278-4)	Now - Sale / Lease	Tooleys 1.5 1.6	Doe d Dising	haleiman Otas II.	.40511010515
1 V2500 QEC kit, p/n 745k9001-46	Now - Sale	Tradewinds Engine Serv.	Brad Pleimann	bpleimann@tesllc.aero	+1 954 421 2510
CFM56-7B Evol. LPT mod. Ass. 338-092-319-0					
CFM56-5B/5C/7B and V2500-A5 engine stands					
737-800 NOSE LANDING GEAR PN 162A1100	•	Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
(1) PW901A	Now - Lease	LHT AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
GTCP131-9B, PW901, (2) GTCP36-300,	Now - Sale/Lease/Exch.	Aeroturbine	Mark Napier	mnapier@aeroturbine.com	+1 972-813-1186
GTCP131-9A, (2) RE220RJ, GTCP331-350C, A	PS3200				