

WORLD NEWS

Cobalt launches new route from Paphos Airport to Moscow

Cobalt Air, the Cypriot airline, announced a new route from Paphos Airport to Moscow Sheremetyevo Airport as part of its Winter 2017 schedule. Flights to Moscow begin on 29 October each Thursday and Sunday. Cobalt Air continues to connect Cyprus via Larnaca and Paphos airports to major business and leisure centres on high frequency, value fare services including Athens (daily), London (daily via Stansted and Gatwick) as well as Frankfurt.

Aeromexico and Japan Airlines to codeshare

Aeromexico and Japan Airlines (JAL) agreed to launch a code-share partnership in Japan's fiscal year 2018 that combines the synergies of both airlines. This alliance will provide a wider connectivity between Mexico and Japan, and through the latter points beyond. This mutual codeshare subject to necessary approvals from authorities, will help to pursue significant cooperation in the near future, allowing to leverage each other's network, expertise and assets in benefit of their consumers.

Boeing, Air India celebrate airline's 125th delivery

Boeing and Air India celebrated the delivery of the airline's 125th airplane from Boeing. The airplane is the 27th 787-8 Dreamliner for the national carrier. Air India was an original member of the 787 Dreamliner launch group and took delivery of its first 787-8 in 2012.



Hawaii will be an important addition for Southwest.

Photo:
Southwest
Airlines

Southwest Airlines looks to Hawaii

And plans to launch ETOPS application with FAA

Southwest Airlines has shared plans to begin selling tickets in 2018 for service to Hawaii and also announced its intention to launch an application process for Federal Aviation Administration (FAA) authorisation for Extended Operations (ETOPS). Service details are to be announced at a later date.

"A day long-awaited by our customers, fans, and more than 55,000 of the world's most-loved airline employees is finally within sight—a day that will showcase your hospitality, about as far Southwest as you can go in the U.S.," Chairman and CEO Gary Kelly told thousands of Southwest employees at a com-

pany gathering in Southern California. "Hawaii is an important place for Southwest Airlines because so many people count on us to take them everywhere they want to go

"We're ready and excited to address a request we've heard for years."

Gary Kelly, CEO, Southwest Airlines

reliably and affordably. We're ready and excited to address a request we've heard for years."

At the beginning of this month, Southwest became the first airline in North America to launch scheduled service utilising Boeing 737 MAX 8 aircraft across its exist-

ing network, bringing increased levels of efficiency and range over Next Generation Boeing 737 models. The carrier announced it will embark on a process to obtain approval from the FAA for ETOP (for ETOPS), a regulatory requirement to operate between the mainland and the Hawaiian Islands. ETOPS applies to twins on routes with diversion

time more than 60 minutes at one engine inoperative speed.

"The launch of our ETOPS work begins the next chapter of Southwest Airlines. We're thrilled to bring Hawaii next year as an option to more than 115 million customers

Continued on page 3

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who already fly with us, annually," said Mike Van de Ven, Chief Operating Officer.

Southwest President Tom Nealon joined the announcement via satellite from Honolulu's famed Waikiki Beach and introduced the

Governor of Hawaii, the Hon. David Ige, who shared his welcome with Southwest employees. "The unmatched combination of our people and low fares with nothing to hide will be a game-changer in the U.S. to Hawaii market," Nealon said in accepting the Governor's invitation.

The company's aircraft and available seat miles plans for 2018 are unchanged with today's announcement.

AIRCRAFT & ENGINE NEWS

Leonardo sells another two AW139 helicopters for VIP/corporate transport in the U.K.

Leonardo has sold a further two AW139 intermediate twin-engine helicopters to customers in the UK for corporate/VIP passenger transport. Over 30 AW139s are currently operating in the U.K. One aircraft will be managed and operated by Fairoaks Airport-based Starspeed, part of Luxaviation Helicopters – the world's largest operator of VIP and VVIP helicopters. Starspeed already operates the AW169, part of the unique AW Family of helicopters that includes the AW139 and AW189. The other aircraft will be used by an undisclosed U.K.-based customer for corporate transport. Both aircraft will be delivered in the first half of 2018.

P&WC sets benchmark readiness for Pure-Power PW800 engine entry into service

The ground-breaking PurePower PW800 turbofan engine is entering the key final steps as it proceeds towards entry into service, Pratt & Whitney Canada (P&WC) announced on October 9. The PurePower PW800 recently reached the milestones of 16,600 hours and 16,800 cycles, including both ground testing and flight testing on P&WC's flying test bed and Gulfstream G500 and G600 flight test aircraft. Preparations for the engine's entry into service are in full swing, with the addition of the European Aviation Safety Agency (EASA) and the Federal Aviation Administration (FAA) Type Certifications received on August 31, 2017 and in February 2017, respectively.

Orders and deliveries – Boeing and Airbus

Airbus v Boeing: Orders and Deliveries

September 2017 YTD

| Airbus | | | Boeing | | |
|--------------|------------|------------|--------------|------------|------------|
| Type | Orders | Deliveries | Type | Orders | Deliveries |
| A320 Family | 225 | 350 | 737 | 360 | 381 |
| A330 | 8 | 45 | 747 | -3 | 8 |
| A340 | 0 | 0 | 767 | 15 | 7 |
| A350 | 40 | 50 | 777 | 43 | 58 |
| A380 | -2 | 9 | 787 | 83 | 100 |
| Total | 271 | 454 | Total | 498 | 554 |

Source: Airbus

Source: Boeing

Airbus logged 56 orders for its single-aisle and widebody jetliners in September, including key bookings for the A320neo Family and A350 XWB; while performing 55 deliveries from across the A320, A330, A350 XWB and A380 commercial aircraft product families.

In September Boeing reported a total of 72 orders including 50 737 MAX aircraft to an unspecified buyer. Deliveries were almost even at 78 aircraft.

Airbus Corporate Jets wins new ACJ319neo order

Airbus Corporate Jets (ACJ) has won a new A319neo order, from an Asian customer. The order means that new and existing customers have now placed a total of nine orders – three ACJ319neos and six ACJ320neos – for the new ACJ320 family. Customers include Acropolis Aviation, Comlux, K5 Aviation, and undisclosed clients. Deliveries of the ACJ320neo will begin at the end of 2018, while those for the ACJ319neo will start in the second quarter of 2019.

Embraer delivers 25 commercial and 20 executive jets in third-quarter 2017

During the third quarter of 2017, Embraer has delivered 25 jets to the commercial aviation market and 20 jets to the business aviation market, of which 13 were light jets and seven were large jets. On September 30, Embraer's firm order backlog totaled US\$18.8bn, above the US\$18.5bn of the previous quarter. The main highlights of this period were the sales' announcements for SkyWest, which represent a cumulative order of 45 new aircraft and which

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AIRCRAFT & ENGINE NEWS

were included in Embraer's backlog for 3Q17. In September, the company announced an order for 25 E-Jets worth US\$1.1bn, based on current list prices. All aircraft are scheduled to be delivered in 2018. At the beginning of October, the company announced a second firm order for 20 additional E-Jets, with a value of US\$914m, based on current list prices.

China Express is newest CFM56 operator

China Express Air has become the newest operator of CFM International's CFM56 engines. The airline took delivery of the first of 11 CFM56-5B-powered Airbus A320ceo aircraft; the remaining aircraft are scheduled to be delivered in 2018 and 2019. The airline is operating aircraft routes from its base in Chongqing to such destinations as Liuzhou, Haikou, Xiangyang, Bijie, and Xiamen.

AviaAM Leasing leases Airbus A321 to Yamal Airlines

AviaAM Leasing has announced the delivery of one Airbus A321-211 to its long-standing partner Yamal Airlines. The aircraft was leased to the carrier under an operating lease agreement for the term of six years. Prior to the aircraft delivery, AviaAM Leasing conducted a comprehensive set of works, including a 12-year check, cabin refurbishment and livery change. The Airbus A321-211 aircraft, being fully customized in accordance with the carrier's requirements, was delivered to Yamal on September 9.

Zenith Aviation orders two more Learjet 75 Business Jets to add to existing Learjet fleet

London-based Zenith Aviation, a private jet charter provider, has purchased two additional Learjet 75 aircraft. Zenith Aviation, whose team has been flying Learjet aircraft since 1999, acquired its first two new Learjet 75 business jets just over a year ago. The latest two Learjet 75 aircraft will be UK-based, with several airports being considered for permanent basing.

Embraer launches new Phenom 300E Business Jet

Embraer unveiled the Phenom 300E light jet, its newest business aircraft, at the 2017 NBAA-BACE in Las Vegas, Nevada. The new aircraft is designated "E" for "Enhanced" in reference to its entirely redesigned cabin and the addition of nice® HD CMS/IFE (Cabin Management System/InFlight Entertainment) by Lufthansa Technik.

WestJet unveils Canada's first Boeing 737 MAX


WestJet officially unveiled first Boeing 737 MAX

Photo: WestJet

WestJet officially unveiled its first Boeing 737 MAX 8 aircraft on October 11. The aircraft, which has been at WestJet's Calgary hangar since September 29 for inspections, training and test flights, is the first of 50 Boeing 737 Max planes scheduled to be delivered through 2027. The aircraft is expected to officially enter service on November 9, 2017, when it will operate from Calgary to Toronto. The Boeing 737 MAX is powered by CFM International's LEAP-1B engines, designed for fuel efficiency and noise reduction. Overall, the aircraft is 14% more fuel-efficient than current 737 Next-Generation aircraft and has a reduced operational noise footprint of up to 40% through quiet-engine technology.

Aircalin firms up order for two A320neos and two A330neos


New Caledonia carrier Aircalin firms up order for two A320neos and two A330neos

Photo: Airbus

Aircalin, the Noumea-based carrier in the French territory of New Caledonia, has firmed up its order for two A320neo single-aisle and two A330-900 wide-body aircraft. The A320neo powered by Pratt & Whitney engines and equipped with 168 seats will be deployed on regional routes to Australia, New Zealand and the Pacific Islands. The A330neo, powered by the latest-generation Rolls-Royce Trent 7000 engines will feature 26 seats in Business, 21 in Premium and 244 in Economy Class. Aircalin plans to deploy the aircraft on commercial services to Japan for onward connections.

AIRCRAFT & ENGINE NEWS

Originally launched in 2005, the Phenom 300 first entered the market in 2009. Leading the light-jet segment since 2012, the Phenom 300 has been the most delivered business jet since 2013 with over 400 aircraft in close to 40 countries. Deliveries of the Phenom 300E will commence in the first quarter of 2018. The Phenom 300E inherits the Embraer DNA Design, first introduced in its larger siblings, the Legacy 450 and Legacy 500 mid-size jets. The application of this design in the Phenom 300E rendered a more spacious cabin with more customization options and ease of maintainability.

Sunrise Airways accepts delivery of new Boeing 737

Sunrise Airways has accepted delivery of the latest addition to its fleet, a next-generation 168-seat Boeing 737-800, at Orlando International Airport (MCO). The jet aircraft will deploy along new Sunrise Airways routes to Orlando and Miami from the airline's hub in Port-au-Prince, Haiti. Sunrise Airways' new service to/from Orlando begins October 18, 2017, while its Miami flights launch November 14, 2017.

Boeing, Air India celebrate airline's 125th delivery

Boeing and Air India celebrated the delivery of the airline's 125th airplane from Boeing. The airplane is the 27th 787-8 Dreamliner for the national carrier. Air India was an original member of the 787 Dreamliner launch group and took delivery of its first 787-8 in 2012. In all, the airline now operates 27 787-8 Dreamliners, along with 777-200LRs (Longer Range), 777-300ER (Extended Range), and 747-400s.

MRO & PRODUCTION NEWS

Haitec and SuperJet International sign agreement for maintenance support on the SSJ100

HAITEC Aircraft Maintenance and SuperJet International (SJI) have signed a service agreement for first-class line and base maintenance on the Sukhoi Superjet 100 (SSJ100) aircraft. This new cooperation follows HAITEC's achievement of the EASA Part 145 approval for line and base maintenance on the SSJ100 regional jet from the German Federal Aviation Authority LBA (LuftfahrtBundesamt).

The agreement with SJI will enable HAITEC to access the necessary services to provide main-

GECAS extends Relationship with AirBridgeCargo Airlines



AirBridgeCargo 747-8F

Photo: GECAS

GECAS has acquired a 747-8 freighter (MSN 63378) from Boeing Capital Corporation and will continue the existing aircraft lease with AirBridgeCargo. This transaction expands GECAS' decade-long relationship with the airline, who operate an all-747 fleet including two 747-400ERFs from GECAS. "We are pleased to continue our support of AirBridgeCargo Airlines with this acquisition," said Richard Greener, GECAS' SVP & Manager Cargo, noting "the 747-8F provides approximately 20 tonnes of additional revenue freight versus the 747-400F, along with efficient GEnx-2B67 engines."

tenance activities, including spare parts, ground support equipment and tools, training, aircraft documentation and engineering support. All maintenance services to SSJ100 operators will be performed by HTC at its own facilities in Germany, initially in Erfurt and progressively in Hahn, as well as at the selected line outstations. As an approved Russian FATA 285 MRO organization, HTC has also applied for the SSJ100 approval from the Russian Aviation Authorities. Therefore, HTC would become the first Western MRO organization able to provide line and base maintenance services on a Russian manufactured aircraft in compliance with both European and Russian regulations.

TAAG signs GE's TrueChoice overhaul agreement for CFM56 engines

TAAG Angola Airlines has signed a five-year, TrueChoice overhaul agreement with GE Aviation for the maintenance, repair and overhaul of its CFM56-7B engines that power its five Boeing 737-700 aircraft. With this agreement, GE Aviation will be the service provider for all TAAG Angola's GE engines.

PPG receives EASA approval for windshield for HAWKER 800 series aircraft

PPG has received approval from the European Aviation Safety Agency (EASA) for its new-design glass-faced acrylic windshields for HAWKER® 800 series business jets, including the Hawker 750, 800, 800XP, 800 (U-125A), 850XP, 900XP and 1000 aircraft. With approval under an EASA Supplemental Type Certificate, PPG has begun selling the windshields directly to aircraft owners and operators in Europe. According to Steve Kight, PPG market director, general aviation transparencies, PPG is now able to offer European operators the benefits of its glass-faced acrylic windshields over the previous all-acrylic design.

SIA Engineering Company and Air India Engineering Services collaborate to provide MRO services in India

Mainboard-listed SIA Engineering and Air India Engineering Services, a wholly-owned subsidiary of Air India, providing maintenance, repair and overhaul services, have entered into a non-

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binding Memorandum of Understanding to establish a business collaboration to offer MRO services in India. Pursuant to the MOU, SIAEC and AIESL will collaborate to offer line maintenance and ancillary services at various airports in India as well as engineering training, inter alia. Both companies will be able to offer a wider spectrum of services and customized packages to domestic and foreign airlines operating in and out of India.

The collaboration will draw upon AIESL's extensive infrastructure and resources within India and their local knowledge and expertise in the India market, and SIAEC's comprehensive MRO service offerings and maintenance capabilities including the offerings and capabilities for new-generation aircraft.

Satair Group and Senior Aerospace SSP sign long-term distribution deal

Satair Group and Senior Aerospace SSP (SSP) have signed a long-term worldwide exclusive distribution contract for Senior Aerospace SSP's ducting and flexible joints products into the commercial aerospace market. The deal marks the first entry of Satair Group into a strategic cooperation with Senior plc, to which SSP belongs. Mr Sameer Madan CEO of Senior Aerospace SSP said: "Through this new agreement with Satair Group customers will see improvements across the board in our aftermarket service. To help achieve this, Satair Group has made a significant investment in inventory to support quick customer service as well as 24/7 AOG support from its worldwide locations."

Airbus A330-800 production well underway

As Airbus prepares for the first flight of the A330-900, production of the second member of the A330neo Family, the A330-800, is well underway with the first parts advancing at Airbus sites throughout Europe. These parts include the new increased-span wing now being equipped in Bremen (Germany) and its new composite Sharklets from KAL-ASD, the fuselage sections in Hamburg (Germany), the new titanium pylons in Toulouse (France) and the center wing box in Nantes (France). Production of the A330-800 will continue towards the start of final assembly by the end of 2017, gearing up to first flight in 2018.

Building on the success of the A330-200 with over 600 aircraft in operation, the A330-800 brings new-generation economics and comfort in addition to unprecedented range to the 250-seater aircraft market. Together with the larger 300-seater A330-900, they share

Liebherr-Aerospace Toulouse opens new manufacturing building at its Campsas site



Liebherr-Aerospace Toulouse Campsas new building

Photo: Liebherr-Aerospace

Liebherr-Aerospace Toulouse has added a new building at its site in Campsas near Toulouse. The site specializes in manufacturing mechanical precision parts for air management systems. The 3,300 m² site extension represents an investment of €6.5m and will allow the company to introduce new means of production in order to meet its customers' requirements based on the increase of aircraft delivery cadences. The site specializes in manufacturing precision aircraft parts such as rotors for turbines and compressors, and high-temperature valve bodies. These are used in on-board air conditioning systems or engine bleed air systems, which are part of the range of products which Liebherr-Aerospace Toulouse supplies to aircraft manufacturers all over the world. The Campsas plant employs 170 staff and will from now on have state-of-the-art production machinery at its disposal – including for 3D printing. The recent investments in production equipment amount to €3m. Thanks to these investments, the company will increase its production hours by 10% in 2017.

99 per cent of commonality, having the same airframe, engines and cross-crew commonality giving operators a greater flexibility to use both aircraft in their networks. All A330s are built on the same production line so orders can be fulfilled in full flexibility according to market demands. Airlines will benefit from 14% less fuel burn per seat compared to the current A330, reduced maintenance costs and A330's market-leading 99.5% operational reliability. Passengers will enjoy the award-winning all-new Airspace cabin inspired by the A350 XWB. On top of latest generation in-flight entertainment and connectivity, passengers can look forward to anew welcoming entrance area, spacious overhead bins, mood lighting and an exceptionally quiet flight.

Martin Aviation signs three-year service agreement to become StandardAero's newest PT6A Partner

StandardAero and Martin Aviation signed a three-year Authorized Service Center agreement for PT6A engine services at the 2017 NBAA-BACE event in Orlando, Florida. The agreement will provide operators of King Air, Pilatus, Cessna Caravan, Cheyenne and TBM aircraft the advantage of a one-stop solution

for both engine and airframe services. Under the agreement, StandardAero and Martin will work together to perform PT6A engine removal and installations, line maintenance, hot section inspections, engine overhauls and heavy maintenance. Certain engine services will be available at Martin Aviation's Santa Ana International Airport (SNA), while heavy maintenance and engine overhauls will be available at StandardAero's Winnipeg, Canada facilities.

Air Canada extends slide and inflatable maintenance contract with AJW Technique

Air Canada has extended its slide and inflatable maintenance contract with AJW Technique, the maintenance hub for the AJW Group's global component repair and overhaul service. The long-term extension was awarded to AJW as a result of implementing several successful innovative supply chain management programs for Air Canada, including asset management and leasing, inventory solutions and fulfilment models. The new contract has been expanded to include the majority of the aircraft types, for the mainline Air Canada fleet, as well as Air Canada Rouge and Sky Regional. These include Airbus, Boeing and Embraer.

MRO & PRODUCTION NEWS

Vector Aerospace signs PT6A service agreement with Australian aeromedical provider CareFlight

Vector Aerospace has entered into an agreement with CareFlight to provide the Australian aeromedical operator with Pratt & Whitney Canada (P&WC) PT6A engine services. CareFlight, headquartered in Sydney, NSW, uses helicopters, turboprops and business jets to transfer patients from accident scenes and between hospitals. Under the terms of the multi-year agreement, Vector will provide comprehensive engine MRO services from its P&WC PT6A Designated Overhaul Facility (DOF) in Brisbane, QLD, in support of CareFlight's six King Air B200 aircraft, which are powered by the PT6A-42.

Monarch Aircraft Engineering secures Virgin Atlantic as new customer

Monarch Aircraft Engineering Limited (MAEL) has signed a base maintenance agreement with Virgin Atlantic. The airline is a new customer for MAEL who will carry out C1 checks for Virgin Atlantic's Boeing 787-9 fleet between 2017 and 2021. All the maintenance work will be carried out at Monarch Aircraft Engineering's state-of-the-art facility at Birmingham Airport and is due to commence at the end of September, 2017.

Monarch Aircraft Engineering secures Icelandair as new base maintenance customer

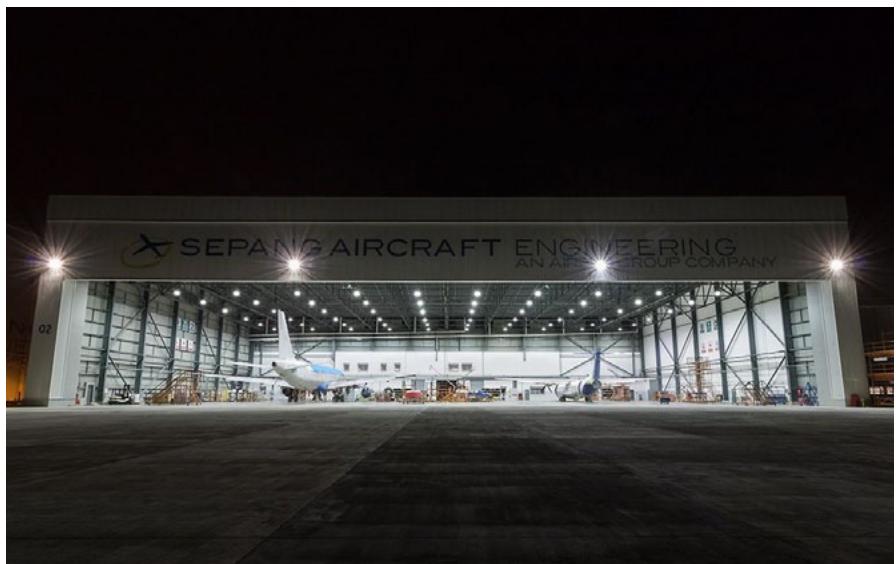
Monarch Aircraft Engineering has signed a new base maintenance agreement with Icelandair. The airline is a new base maintenance customer for MAEL who will carry out C check for Icelandair's Boeing 757 cargo aircraft. The maintenance work will be carried out at Monarch Aircraft Engineering's Luton Airport hangar and is due to commence at the end of October 2017.

FINANCIAL NEWS

Delta Air Lines posts 2017 September-quarter profit

Delta Air Lines has released financial results for the September-quarter 2017. Adjusted pre-tax income for the September 2017 quarter was US\$1.7bn, a US\$182m decrease from the September 2016 quarter. Pre-tax income includes a US\$120m reduction from the operational disruption following Hurricane Irma that hit the Caribbean, Florida, Georgia and,

Sepang Aircraft Engineering becomes fully owned Airbus subsidiary



Sepang Aircraft Engineering, based in Kuala Lumpur, Malaysia, becomes fully owned Airbus subsidiary

Photo: Airbus

Sepang Aircraft Engineering (SAE), an MRO centre based in Kuala Lumpur, Malaysia, partially owned by Airbus since 2011, has become a fully owned Airbus subsidiary, following the acquisition by Airbus of its remaining shares. With this acquisition, SAE becomes an integral part of the Airbus Customer Services network and is set to represent a key element of Services by Airbus' growth strategy in the dynamic Asia Pacific market. "Since its creation in 2007, SAE has established a strong reputation in the MRO market for on-time and reliable service," said Laurent Martinez, Head of Services by Airbus. "Our ambition is for SAE to be a leading MRO in the region by becoming an innovation flagship for servicing Airbus commercial aircraft."

specifically, Delta's hub in Atlanta. Delta's operating revenue of US\$11.1bn for the September quarter was up 5.5%, or US\$577m versus prior year, despite a US\$140m reduction from Hurricane Irma. Passenger revenue increased US\$328m, including US\$160m from Delta's Branded Fares initiatives. Passenger unit revenues increased 1.9% on 1.6% higher capacity. Cargo revenue increased 11.5%, driven by higher volumes in freight and mail. Other revenue increased 18.4% primarily due to higher loyalty revenue and third-party refinery sales. For the December quarter, Delta is expecting continued pressure on margins as its unit revenue momentum catches up to the rise in fuel prices that began in July.

Finnair acquires Norra on an interim basis

Finnair acquires 60% of Nordic Regional Airlines AB (Norra) from Staffpoint Holding Oy (StaffPoint) and Kilco Oy (Kilco). Finnair currently owns 40% of the company and, following the transaction, Norra will transfer full ownership to Finnair on an interim basis. The transaction has no impact on Norra's opera-

tions or personnel. Norra operates Finnair's domestic and European routes as purchase traffic with a total of 24 ATR and Embraer aircraft. Following the changes in StaffPoint's ownership base disclosed on October 5, 2017, StaffPoint and Kilco have decided to withdraw from the ownership of Norra. Finnair aims to find a new majority owner for Norra.

Lufthansa buys major portion of Air Berlin

In what Carsten Spohr, chief executive of Lufthansa, said was a "great day" for his company, Germany's largest carrier has agreed to purchase the lion's share of Air Berlin, which filed for bankruptcy protection on August 15. The purchase price of €210m (US\$245m) will see Lufthansa looking to acquire 80 of Air Berlin's 144 aircraft, while also taking on 3,000 of the original 8,500 staff. The price is to include Niki, the Austrian leisure travel airline, and the LG Walter regional airline and 20 additional aircraft. Spohr made it clear that Lufthansa would look to invest up to

FINANCIAL NEWS

€1.5bn (US\$1.8bn) in the future of the airline as a result of this most recent development. It is understood that 80 was the maximum number of aircraft competition authorities were prepared to accept. Lufthansa will now look to expand its Eurowings budget airline. According to one of their spokespersons, Air Berlin is "continuing to negotiate" with easyJet, the other bidder chosen for exclusive takeover talks. European authorities must now decide whether to give the Lufthansa deal the green light, in a process that could take "several weeks or months." In the meantime, Air Berlin will continue to operate a number of flights as a contractor for Lufthansa as it is no longer allowed to operate as an independent airline.

Second U.S. import duty blow for Bombardier

Following on from last week's 219.63% duty levied by the U.S. government on Canadian plane manufacturer Bombardier's CSeries aircraft for "countervailable subsidies", the U.S. Commerce department has added a duty of 79.82%. This latter figure is based on a pre-determination of what has been referred to as the investigation into the 'dumping' of the CSeries aircraft on the U.S market. The 'dumping' of CSeries aircraft – their sale at appreciably below cost price – relates to a complaint made by American plane manufacturer Boeing who had petitioned the Commerce Department, alleging that Bombardier had sold 75 CSeries aircraft to American carrier, Delta Air Lines, at a figure estimated to be US\$19.6 million per unit, as opposed to the list price of US\$71.8 million.

These two duty decisions are being classed as preliminary and the rulings based on the fact that Bombardier failed to produce information as requested by the Commerce Department. However, Bombardier disputes such a claim regarding its lack of cooperation, stating that: "Commerce's statement that Bombardier is not cooperating with the investigation is a disingenuous attempt to distract from the agency's misguided focus on hypothetical production costs and sales prices for aircraft that will be imported into the United States far in the future."

Bombardier added that aircraft programs cost billions of dollars, subsequently taking years to provide a financial return on investment. "By limiting its antidumping investigation to a short 12-month period at the very beginning of the CSeries programme, Commerce has taken a path that inevitably would result in a deeply distorted finding."

The duty is applicable to all Canadian-built aircraft which fall into the 100- to 150-seat category and will take effect only once the U.S. International Trade Commission rules in favor of Boeings complaint, with a decision expected next year.

MILITARY AND DEFENCE

Airbus Helicopters delivers 400th UH-72A Lakota to U.S. Army

Airbus Helicopters has delivered the U.S. Army's 400th UH-72A Lakota helicopter, fulfilling its contract requirements to date by delivering every aircraft on time, on budget and meeting the Army's rigorous quality standards. The UH-72A is one of the key helicopter models the Army will operate for the foreseeable future. The Lakota platform is a versatile and highly capable twin-engine aircraft with a modern digital glass cockpit, flight controls and navigation systems. Army and Army National Guard units operate the Lakota in a variety of missions including flight training, surveillance and reconnaissance, medical evacuations, border security, VIP transport and disaster response. The UH-72A is made in America, assembled at the Airbus Helicopters facility in Columbus, Miss. by a workforce that is more than 40% U.S. military veterans.

MTU and German Armed Forces conclude maintenance framework agreement

Over the next five years, MTU Aero Engines will maintain TP400-D6 engines from the Airbus A400M military transport aircraft for the German Armed Forces. The framework agreement is between the Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support (BAAINBw) and MTU. Maintenance of the German A400M engines takes place on several maintenance levels: the German Air Force carries out maintenance and repair work on wing (maintenance levels 1 and 2), whereas more extensive repairs at maintenance levels 2-OFF and 3 are performed by the aviation industry. The aim of the maintenance concept is to guarantee the German Armed Forces receives efficient maintenance services tailored to their operational requirements.

MTU is responsible for the teardown of the engines into their individual modules and accessories. These are then sent to their respective manufacturer for repair and overhaul. The TP400-D6 is a joint project between the major engine manufacturers in Europe: MTU in Germany, Industria de Turbo Propulsores

in Spain, Safran Aircraft Engines in France and Rolls-Royce in the United Kingdom cooperate as part of the Europrop International (EPI) engine consortium.

OTHER NEWS

Universal Avionics Authorized Dealer, **Chicago Jet Group**, has been assigned an FAA Supplemental Type Certification (STC) Number for an InSight Display System flight deck upgrade on a Mystere-Falcon 50 aircraft. The STC covers the installation of the InSight Display System with 4 EFIS-1040 Displays, complimented with other additional flight deck enhancements. The InSight system is designed as an integrated flight deck solution, featuring embedded: next generation synthetic vision with advanced mapping capability, electronic charts, frequency management, and broadcast weather.

With fewer required external Line Replaceable Units (LRU) for essential functions than the existing avionics systems, InSight reduces weight and wiring in the aircraft. As an integrated system, InSight retains the ability to interface with a large number of federated components such as attitude/heading sensors, air data computers, radars, traffic systems, radios, and autopilots. Lower operating and maintenance costs, enhanced safety, situational awareness, and functionality for pilots are all possible with an InSight upgrade.

Due to its expanding lease portfolio and mid-to-end-of-life strategy services, **TrueAero** has merged its asset management division with **SK Aero Partners** to create **TrueAero Asset Management**. TrueAero Asset Management offers a range of alternative and traditional management strategies including leased portfolio management to institutional and private investors around the globe. TrueAero Asset Management and TrueAero Asset Management Ireland both provide investors, airlines, and MRO's with a wide scope of product offerings that encompass experienced acquisition strategies, maintenance reserve projections, lease return management, residual value estimates, aircraft remarketing, engine shop visit management, aircraft check management and end-of-life liquidation.

Air France and **Vietnam Airlines** have reported the signing of a strategic partnership allowing the two airlines to optimize their services between France, Europe and Vietnam and to strengthen their position in a buoyant but highly competitive market. The new agreement strengthens a long-standing partnership between the two airlines. By partnering to jointly improve the

PASSENGER STATISTICS - SEPTEMBER

- In September, **Finnair's** overall capacity increased by 10.6% year-on-year, and traffic grew by 16.9%. The number of passengers carried in September was 1.08 million, corresponding to an increase of 10.7% year-on-year. The passenger load factor increased by 4.6 points to 85.3%.

- United Airlines (UAL)** has reported September 2017 opera-

tional results. UAL's September 2017 consolidated traffic decreased 1.6% and consolidated capacity increased 1.7% versus September 2016. UAL's September 2017 consolidated load factor decreased 2.7 points to 80.5% compared to September 2016.

- Hawaiian Airlines** has announced its system-wide traffic statistics for the month of Sep-

tember. Traffic for September increased 6.3%, while capacity was up 4.3% compared to the previous year. The load factor increased 1.6 points to 86.6%.

- Alaska Air Group** has reported September operational results on a consolidated basis, for its mainline operations operated by subsidiaries Alaska Airlines and Virgin America and for its region-

al flying operated by subsidiary Horizon Air and third-party regional carriers SkyWest Airlines and Peninsula Airlines. On a combined basis for all operations, Air Group reported an 8.4% increase in traffic on a 10.1% increase in capacity compared to September 2016. Load factor decreased 1.3 points to 82.9%.

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connection between the French, European and Vietnamese markets, and by optimizing their products and services, Air France and Vietnam Airlines aim to strengthen their position in the Vietnamese market in a sustainable way.

Commsoft has signed a contract for the use of OASES with Bulgaria-based cargo airline, **Cargo Air**, to support its established airline cargo and passenger operations. Currently supporting over 130 aviation operations in more than 55 different countries, OASES is an industry-leading MRO IT system which combines a very high level of technical sophistication with an intuitive user interface. Designed by engineers for engineers, OASES is continually being developed with the active participation of its global user community. OASES is structured in a modular format to allow for flexibility and scalability and Cargo Air has contracted for the Core, Airworthiness, Planning, Materials, Line Maintenance Control and Warranty modules. The Core module provides the essential system components that allow operation and integration of all the other functional modules and incorporates the Oracle database, the navigator functionality, the built-in help system, and the security manager which controls access rights and privileges.

London Gatwick has achieved the busiest-ever September in its history, as 4.5 million passengers travelled through the airport during the month, a 2.7% increase on last year. A substan-

tial rise in passengers taking long-haul breaks played a part in Gatwick's overall growth, with the airport's long-haul destinations growing by 8.1% compared with last September. Gatwick's long-haul growth consequently boosted the amount of cargo handled by the airport too, with September seeing a 27.3% increase compared with the same month last year. Destinations in Asia proved particularly popular with travelers this September, with passengers travelling to Hong Kong +64.0%, utilizing Gatwick's daily connection to the city. Meanwhile, in September passengers to Tianjin, China were +28.4%. Elsewhere, popular routes were dominated by the destinations of September's international fashion weeks with passengers to New York +49.9%, Paris +30.7% and Milan +3.4%. Visitors to Lima, from Gatwick, were +15% as passengers took advantage of the UK's only direct connection to the city from Gatwick. Responding to this passenger demand for travel to South America, Gatwick will soon be providing passengers with further travel options to the region as Norwegian will start flying to Buenos Aires in February 2018.

Embraer has announced the establishment of a new training center at **O.R. Tambo International Airport**, Johannesburg. The Embraer Training Centre will open in the first half of 2018 and will be the first facility of its kind in Africa to provide this range of training all under one roof, for qualified pilots, maintenance technicians, and cabin crew.

The Embraer Training Centre will be equipped with an E-Jets Full Flight Simulator, four Flight Management System Simulators, a door trainer, and an over-wing trainer to deliver pilot training

and ground school, engineering courses, and E-Jet familiarization training for cabin crew. When fully operational, the center will be able to train around 2000 aerospace professionals a year. Flight crew and engineering technicians from Embraer operators such as Airlink, the center's anchor and launch customer, and others from across the region and beyond, will be trained at the new facility. The training of new aviation professionals to address the critical skills shortages experienced in the region's aviation environment, will be a key catalyst in releasing the huge potential of the continent's underdeveloped aerospace sector.

TBD, renowned for ground support equipment and specialist access solutions for the global aviation industry, has delivered 700 container dollies featuring their patented safety hoop design to a flag carrier airline as part of a safety initiative. Following close discussions with the airline, TBD developed the safety hoop system which is designed to eliminate fatalities and life-changing injuries to ground handling staff. A common activity amongst operators working adjacent to cargo handling systems is to cross over the bar between adjacent dollies or trailers to reach the other side of the train. This can result in life-changing injuries – and, in several devastating cases, death – when the train starts to move during the crossover. TBD has designed a highly effective bright-yellow safety hoop to be attached to the drawbar of its ACD157 container dolly, providing a visible deterrent to discourage operators from taking the shortcut between adjacent trollies or trailers. TBD is rolling out this

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patented safety hoop system across its full range of baggage and cargo handling products.

In September 2017, some 6.2 million passengers traveled through **Frankfurt Airport (FRA)** - an increase of 5.4% on the previous year. This was the first time that FRA exceeded the six-million-passenger mark in a September month. With a total of 225,801 passengers served on September 29, 2017, a new daily passenger record was also reached. Driven by the ongoing strong growth of the global economy, FRA's cargo throughput (airfreight + airmail) continued to rise for the tenth consecutive month, increasing by 4.1% to 187,708 metric tons in September 2017. Aircraft movements increased by 3.6% to 43,479 take-offs and landings in September 2017, while accumulated maximum takeoff weights (MTOWs) climbed 1.8% to just under 2.7 million metric tons – with both indicators posting new September records.

Across the Group, airports in Fraport's international portfolio performed positively in the first three quarters of 2017. **Ljubljana Airport (LJU)** in Slovenia's capital city recorded traffic growth of 20.4% to some 1.3 million passengers (September 2017: up 18.9% to 180,380 passengers). **Lima Airport (LIM)** in Peru welcomed almost 15.3 million passengers, an increase of 9.0% year-on-year (September 2017: up 10.9% to nearly 1.8 million passengers). At Fraport's Twin Star airports in **Varna (VAR)** and **Burgas (BOJ)** on the Bulgarian Black Sea coast, combined traffic increased by 6.4% to about 4.7 million passengers (September 2017: up 6.7% to 738,265 passengers).

Fraport's 14 Greek regional airports saw overall traffic advance by 10.5% in the first nine months of 2017, reaching almost 23.9 million passengers (September 2017: up 11.4% to approximately 4.2 million passengers). During the month of September 2017, the busiest of the 14 Greek airports included **Mykonos (JMK)**, with passenger



TractEasy, a driverless baggage tractor

Photo: TLD

Ground Support Equipment, as with many other driving machines, is experiencing a technological revolution with the development of Assistance and Automation systems that will change the ramp operating environment in the coming years. In keeping with that trend, **TLD** and **EasyMile** have combined their expertise to develop the TractEasy. TractEasy is a driverless baggage tractor incorporating software that allows the robotized unit to operate in a complex and live ramp environment. This complete solution integrates the ramp operation organization, the safety parameters of the unit on the ramp, the navigational software to optimize routes, as well as the vital security layers to ensure protection against outside interference. TractEasy will be based on TLD's successful electric tractor JET-16 and will integrate all remote control, communication and safety detection tools developed by EasyMile as part of their driverless technology – one of the most advanced autonomous vehicle solutions – already used in EasyMile's EZ10 driverless shuttle. TractEasy solution is meant to transfer baggage and freight from the terminal to the aircraft area, on the service roads, with a fully driverless approach. It will operate in normal traffic, without infrastructure modification, and in all weather conditions. TractEasy will be fitted with a complete cabin to allow the operator at the stand to take control for the final approach of the dollies to the aircraft. TractEasy will generate significant operational benefits, allowing a pay-back expected in less than 2 years, depending on the operations and conditions.

growth of 20.0%; **Kos (KGS)** with an increase of 19.8%; and **Mytilene (MJT)** on the island of Lesvos, up 18.6%.

Jeppesen has reached an agreement to provide its high-fidelity Airport Mapping Database to **Universal Avionics'** new InSight Display Sys-

tem, providing the business aviation market with timely and accurate airport diagrams and other essential information to enhance operational efficiency. Specifically, Jeppesen will now provide Airport Mapping Database information, digital charts, NavData navigation information and cultural data services for the InSight Display



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System. Jeppesen data also will allow for three-dimensional display of essential airport information and enroute flight data through the InSight platform to further enhance situational awareness for pilots.

All previously open issues between **Lufthansa** and the pilots' trade union, **Vereinigung Cockpit**, have been settled with the signing of a new collective labor agreement (CLA), the basis of which was agreed earlier in March this year. The CLA will still be subject to trade union members' approval in the form of a ballot. Agreements have been reached not only on new remuneration, but also on pension and transitional payments, up to June 2022. This will result in a saving of 15 percent of staff costs in the cockpit – before wage increases to be paid in the future. Additionally, the agreement allows for the hiring of new junior pilots. The pension scheme will change from a system of defined benefits to a system of defined contributions, which had already been agreed with ground and cabin staff. Consequently, pension liabilities will be reduced by a high three-digit million-euro amount. 2017 EBIT should improve by a significant three-digit million-euro amount.

The terms and conditions agreed on will be for the operation of a minimum of 325 aircraft with pilots from **Lufthansa**, **Lufthansa Cargo** and **Germanwings** by the end of 2022. More than 700 junior pilots will be taken on and a minimum 600 positions for future captains will also be created. Pilots at Lufthansa, Lufthansa Cargo and Germanwings will receive staggered pay increases totaling 10.3 percent. and a one-off payment of up to 1.8 times monthly salary for the period of May 2012 until June 2022.

INDUSTRY PEOPLE



Brian Beair

- AJW Group has announced two senior appointments in North America to support and strengthen its continued growth in providing supply chain, asset management and channel partner solutions to transform aviation efficiency. **Brian Beair** has been appointed VP of Business Development, while **Jordan Green** has been appointed Regional Sales Director. As a result of the continued and successful growth in the region, the hires will enhance AJW's existing

Recommended Events



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Dubai Airshow 2017

November 12, 2017 – November 16, 2017

Aircraft Economic Life Summit 2017

November 28, 2017 - Gibson Hotel, Dublin, Ireland

Operating Lease Seminar 2018

March 20, 2018 - Hilton Garden Inn Hotel, Dallas

Aircraft Records & Total Asset Management Seminar 2018

April 18, 2018 - Gibson Hotel, Dublin, Ireland

Technical Aspects of a Leased Asset 2018

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

Maintenance Reserves Seminar 2018

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

[Click here for more aviation events](#)



Jordan Green

North America team, led by **Angela Garber**, and allow a continued focus on deepening the customer relationship and delivering outstanding customer service. The team will focus on aligning solutions with customer business models, driving efficiencies and reduction in costs through effective supply chain and asset management.

• **Michael Hickey**, Chief Operating Officer of Ryanair and one of its longest serving senior executives, will leave the airline amid continuing fallout over the cancellation of thousands of flights. Mr. Hickey was responsible for scheduling the shifts for pilots. His resignation comes after the airline had to cancel tens of thousands of flights through to March 2018, because of errors in how pilots are registered for work.

• Sky Express has appointed **Harry Botsaris** as CEO of the company and **Michalis Nero-myliotis** as Accountable Manager. The new composition of the Board of Directors of Sky Express, as emerged at the General Assembly of Shareholders' on October 11, is as follows: **Theodoros Krokidas** - President, **Niki Karagoule-Karageorgou** - Vice President, **Harry Botsaris** - CEO, **Emmanuel Kontarakis** - Member and **Panagiotis Giannoukos** - Member.

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Commercial Jet Aircraft

| Aircraft Type | Company | Engine | MSN | Year | Available | Sale / Lease | Contact | Email | Phone |
|---------------|---------------------------------|--------------|-------------|----------|-----------|-------------------|--------------------------------|------------------------------------|-------------------|
| A319-112 | World Star Aviation Services | CFM56-5B | 1429 | Nov 2017 | Lease | Tommy Guttman | tguttman@worldstaraviation.com | +972 544-220000 | |
| A320-200 | Castlalake | V2527-A5 | 2288 | 2003 | Q4/2018 | Lease | Michael Hackett | michael.hackett@castlalake.com | +44 20 7190 6120 |
| A320-200 | Castlalake | V2527-A5 | 2161 | 2003 | Q4/2018 | Lease | Michael Hackett | michael.hackett@castlalake.com | +44 20 7190 6120 |
| A320-200 | Fortress Investment Group | V2500-A5 | 561 | 1995 | Oct 2017 | Sale - Airframe | Jeff Lewis | aviation@fortress.com | +1 (305) 833-0309 |
| A330-200 | Castlalake | CF6-80E1A4B | 441 | 2001 | Q4/2018 | Lease | Michael Hackett | michael.hackett@castlalake.com | +44 20 7190 6120 |
| A330-200 | FPG Amentum | PW4168A | 943 | 2008 | Q2/2018 | Sale / Lease | Eoin Kirby | eoin.kirby@fpg-amentum.aero | +353 1 6398118 |
| A330-200 | FPG Amentum | PW4168A | 962 | 2008 | Q2/2018 | Sale / Lease | Eoin Kirby | eoin.kirby@fpg-amentum.aero | +353 1 6398118 |
| A330-223 | FPG Amentum | PW4168A | 979 | 2009 | Now | Sale / Lease | Eoin Kirby | eoin.kirby@fpg-amentum.aero | +353 1 6398118 |
| A330-223 | FPG Amentum | PW4168A | 1002 | 2009 | Now | Sale / Lease | Eoin Kirby | eoin.kirby@fpg-amentum.aero | +353 1 6398118 |
| B737-300 | Advantage Aviation Serv. Sweden | CFM56-3B1 | 27930 | 1995 | Now | Sale / ACMI | Fredrik Rydeholm | fredrik.rydeholm@advantageavio.se | +46 70 5350811 |
| B737-300 | World Star Aviation Services | CFM56-3C1 | 28873 | | Now | Lease | Tommy Guttman | tguttman@worldstaraviation.com | +972 544-220000 |
| B737-400 | Safair Operations | Freighter | East Africa | Dec 2017 | ACMI only | C. Schoonderwoerd | corneliss@safair.co.za | +27 11 928 0000 | |
| B737-400 | Aersale | CFM56-3C1 | 27149 | 1993 | Now | Sale / Lease | Craig Wright | Craig.Wright@aersale.com | +1 305 764 3238 |
| B737-800 | ORIX Aviation | CFM56-7B26 | 34701 | 2006 | Q1/2018 | Lease | Oisin Riordan | oisin.riordan@orix.ie | +353 871774524 |
| B737-800 | ORIX Aviation | CFM56-7B26 | 34705 | 2006 | Q3/2018 | Lease | Oisin Riordan | oisin.riordan@orix.ie | +353 871774524 |
| B737-800 | ORIX Aviation | CFM56-7B26 | 34707 | 2006 | Q3/2018 | Lease | Oisin Riordan | oisin.riordan@orix.ie | +353 871774524 |
| B737-800 | ORIX Aviation | CFM56-7B24E | 40287 | 2012 | Q1/2019 | Lease | Oisin Riordan | oisin.riordan@orix.ie | +353 871774524 |
| B737-800 | ORIX Aviation | CFM56-7B24E | 40146 | 2013 | Q1/2018 | Sale | Cian Coakley | cian.coakley@orixaviation.hk | +852 2863 6829 |
| B737-800 | ORIX Aviation | CFM56-7B24E | 40151 | 2013 | Q1/2018 | Sale | Cian Coakley | cian.coakley@orixaviation.hk | +852 2863 6829 |
| B737-800 | ORIX Aviation | CFM56-7B24E | 40152 | 2013 | Q1/2018 | Sale | Cian Coakley | cian.coakley@orixaviation.hk | +852 2863 6829 |
| B737-800 | ORIX Aviation | CFM56-7B24E | 40145 | 2013 | Q1/2018 | Sale | Cian Coakley | cian.coakley@orixaviation.hk | +852 2863 6829 |
| B737-800 | FPG Amentum | CFM56-7B24E | 40150 | 2013 | Q1/2018 | Sale / Lease | Eoin Kirby | eoin.kirby@fpg-amentum.aero | +353 1 6398118 |
| B737-800 | FPG Amentum | CFM56-7B26E | 40153 | 2013 | Q1/2018 | Sale / Lease | Eoin Kirby | eoin.kirby@fpg-amentum.aero | +353 1 6398118 |
| B737-800 | Aersale | CFM56-7B26 | 30881 | 2002 | Now | Sale / Lease | Sally Browne | Sally.Browne@aersale.com | +353 86 021 4841 |
| B737-800 | World Star Aviation Services | CFM56-7B26 | 32604 | 2002 | Now | Sale / Lease | Paulo Bettencourt | pbettencourt@worldstaraviation.com | +1 415-956-9454 |
| B747-400 | Bristol Associates | | 28812 | 1999 | Now | Sale | Ed McNair / Pete Seidlitz | bristol@bristolassociates.com | +1 202-682-4000 |
| B747-400 | Bristol Associates | | 30023 | 2000 | Now | Sale | Ed McNair / Pete Seidlitz | bristol@bristolassociates.com | +1 202-682-4000 |
| B747-400 | GA Telesis | RB211-524 | 26637 | 1992 | Now | Sale | Eddo Weijer | eweijer@gatelesis.com | +1 954 676 3111 |
| B747-400 | GA Telesis | PW4000 | 29950 | 2000 | Now | Sale | Stuart Weinroth | sweinroth@gatelesis.com | +1 954 676 3111 |
| B747-400 | Jet Midwest | PW4056-3 | 29906 | 1999 | Now | Sale / Lease | Kevin Lee | aircraft@jetmidwest.com | +1-310-652-0296 |
| B747-400BCF | Jet Midwest | PW4056-3 | 24226 | 1990 | Now | Sale / Lease | Kevin Lee | aircraft@jetmidwest.com | +1-310-652-0296 |
| B757-200 | ORIX Aviation | RB 211-535E4 | 27810 | 1995 | Q1/2019 | Sale | Oisin Riordan | oisin.riordan@orix.ie | +353 871774524 |
| B757-200F | Aerolease | RB211 | 22211 | | Now | Sale / Lease | Tim Corley | tcorley@aerolease.com | +1 (360) 870-9172 |
| B757-200F | Aerolease | RB211 | 22611 | | Now | Sale / Lease | Tim Corley | tcorley@aerolease.com | +1 (360) 870-9172 |
| B777-200ER | GA Telesis | | 28999 | | Now | Sale | Stuart Weinroth | sweinroth@gatelesis.com | +1 954 676 3111 |
| B777-200ER | GA Telesis | | 28523 | | Now | Sale | Stuart Weinroth | sweinroth@gatelesis.com | +1 954 676 3111 |
| DC8 | Aersale | No engines | 46094 | 1969 | Now | Sale | Craig Wright | Craig.Wright@aersale.com | +1 305 764 3238 |

Regional Jet / Turboprop Aircraft

| Aircraft Type | Company | Engine | MSN | Year | Available | Sale / Lease | Contact | Email | Phone |
|---------------|-------------------------|----------|-------|------|-----------|--------------|--------------|-----------------------------|--------------------------|
| CRJ-200LR | Regional One | CF34-3B1 | 7484 | 2001 | Now | Sale / Lease | Chris Furlan | cfurlan@regionalone.com | -1(305) 759-0670 Ext.164 |
| CRJ-900LR | Regional One | CF34-8C5 | 15057 | 2005 | Now | Sale / Lease | Chris Furlan | cfurlan@regionalone.com | -1(305) 759-0670 Ext.164 |
| DASH8-102 | Magellan Aviation Group | PW121 | 113 | 1988 | Now | Sale / Lease | Bill Poli | bill.poli@magellangroup.net | +1 (704) 504 9204 x202 |
| DASH8-311 | Regional One | PW121 | 230 | 1990 | Now | Sale / Lease | Chris Furlan | cfurlan@regionalone.com | -1(305) 759-0670 Ext.164 |

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| Aircraft Type | Company | Engine | MSN | Year | Available | Sale / Lease | Contact | Email | Phone |
|---------------------|-------------------------|-----------|--------|------|-----------|--------------|--------------|-----------------------------|--------------------------|
| DASH8-311 | Magellan Aviation Group | PW123 | 266 | 1991 | Now | Sale / Lease | Bill Poli | bill.poli@magellangroup.net | +1 (704) 504 9204 x202 |
| Dornier 328- 300 | Regional One | PW306B | 3145 | 2000 | Now | Sale / Lease | Chris Furlan | cfurlan@regionalone.com | -1(305) 759-0670 Ext.164 |
| Dornier 328- 300 | Regional One | PW306B | 3185 | 2001 | Now | Sale / Lease | Chris Furlan | cfurlan@regionalone.com | -1(305) 759-0670 Ext.164 |
| E170 | AerFin | CF34-8E | 121 | | Now | Sale / Lease | Oliver James | Oliver.James@aerfin.com | +44 (0) 2920109898 |
| E170 | AerFin | CF34-8E | 158 | | Now | Sale / Lease | Oliver James | Oliver.James@aerfin.com | +44 (0) 2920109898 |
| E170 | AerFin | CF34-8E | 114 | | Now | Sale / Lease | Oliver James | Oliver.James@aerfin.com | +44 (0) 2920109898 |
| ERJ-145 | Regional One | AE3007A1P | 145291 | 2000 | Now | Sale / Lease | Chris Furlan | cfurlan@regionalone.com | -1(305) 759-0670 Ext.164 |

Commerical Engines

| Multiple Types | Sale / Lease | Company | Contact | Email | Phone |
|-----------------------------------|------------------------|------------------------------|------------------|---------------------------------|--------------------------|
| Multiple Engines GE / CFM / RB211 | Now - Sale / Lease | GECAS Engine Leasing | Sherry Riley | engine.leasing@gecas.com | +1(513)782-4272 |
| AE3007 Engines | Sale / Lease | Company | Contact | Email | Phone |
| (1) AE3007A1 | Now - Sale / Lease | Magellan Aviation Group | Bill Poli | bill.poli@magellangroup.net | +1 (704) 504 9204 x202 |
| (3) AE3007A1P | Now - Sale/Lease/Exch. | Regional One | Miguel Bolivar | mbolivar@RegionalOne.com | +1 786-623-3936 |
| (2) AE3007 | Now - Sale | GA Telesis | Stefanie Jung | sjung@gatelesis.com | +1 954-958-1321 |
| CF34 Engines | Sale / Lease | Company | Contact | Email | Phone |
| CF34-8E5 | Now - Lease | Lufthansa Technik AERO Alzey | Kai Ebach | k.ebach@lhaero.com | +49-6731-497-368 |
| CF34-10E | Now - Lease | | | | |
| CF34-8C | Now - Lease | | | | |
| CF34-3B1 | Now - Lease | | | | |
| CF34-3A | Now - Sale / Lease | | | | |
| (2) CF34-8C5B1 | Now - Sale / Lease | Regional One | Chris Furlan | cfurlan@regionalone.com | -1(305) 759-0670 Ext.164 |
| (1) CF34-3B1 | Now - Sale / Lease | | | | |
| (1) CF34-10E5A1 | Now - Sale / Lease | GA Telesis | Eddo Weijer | eweijer@gatelesis.com | +1-954-676-3111 |
| (1) CF34-3B1 | Now - Sale | | | | |
| (1) CF34-8C5/B1 | Now - Sale / Lease | Magellan Aviation Group | Bill Poli | bill.poli@magellangroup.net | +1 (704) 504 9204 x202 |
| (8) CF34-8E | Q4/2017 - Sale / Lease | AerFin | Oliver James | Oliver.James@aerfin.com | +44 (0) 2920109898 |
| (1) CF34-10E7 | Now - Lease | Engine Lease Finance | Declan Madigan | declan.madigan@elfc.com | +353 61 291717 |
| CF34-8E(s) | Now - Sale / Lease | GECAS Engine Leasing | Sherry Riley | engine.leasing@gecas.com | +1 (513) 782-4272 |
| (1) CF34-10E7 | Now - Lease | Willis Lease | Ann Lee | alee@willislease.com | +1 (415) 408 4769 |
| CF6 Engines | Sale / Lease | Company | Contact | Email | Phone |
| (1) CF6-80C2B1F | Now - Sale / Lease | AerSale. Inc. | Alan Kehoe | Alan.Kehoe@aersale.com | +353 879 393 534 |
| (1) CF6-80C2A5 | Now - Sale / Lease | | Alan Kehoe | Alan.Kehoe@aersale.com | +353 879 393 534 |
| (1) CF6-80C2B6F | Now - Sale / Lease | | Matthew White | matthew.white@aersale.com | +353 1475 3005 |
| (1) CF6-80C2B7F | Now - Sale / Lease | | Matthew White | matthew.white@aersale.com | +353 1475 3005 |
| (1) CF6-80C2A2/A5 | Now - Sale / Lease | Castlelake | Stuart MacGregor | stuart.macgregor@castlelake.com | +44 207 190 6138 |
| (1) CF6-80C2B7F | Now - Sale | GA Telesis | Eddo Weijer | eweijer@gatelesis.com | +1-954-676-3111 |
| (5) CF6-80C2B1F | Now - Sale | | | aircrafttrading@gatelesis.com | |


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Commerical Engines (cont.)

| | Sale / Lease | Company | Contact | Email | Phone |
|------------------------------|------------------------|------------------------------|-------------------|---------------------------------|--------------------------|
| CFM56 Engines | | | | | |
| (1) CFM56-3C1 | Aug 17 - Sale / Lease | Royal Aero | Frank Rustmeier | frank@royalaero.com | +49 (0)8025 99360 |
| (1) CFM56-5A3 | Nov 17 - Sale / Lease | | | | |
| (2) CFM56-5B | Now - Sale / Lease | GA Telesis | Eddo Weijer | eweijer@gatelesis.com | +1-954-676-3111 |
| (2) CFM56-7B26 | Now - Sale | | | | |
| (1) CFM56-7B22/E | Now - Lease | Engine Lease Finance | Declan Madigan | declan.madigan@elfc.com | +353 61 291717 |
| (1) CFM56-7B26/3 | Now - Lease | | | | |
| (1) CFM56-5B4/3 | Now - Lease | | | | |
| (2) CFM56-5C4/P | Now - Sale / Lease | Castlelake | Stuart MacGregor | stuart.macgregor@castlelake.com | +44 207 190 6138 |
| (1) CFM56-7B26 | Now - Sale/Lease/Exch. | AerSale, Inc. | Alan Kehoe | Alan.Kehoe@aersale.com | +353 879 393 534 |
| (2) CFM56-3C1 | Now - Sale / Lease | | | | |
| (2) CFM56-5A | Now - Sale | GECAS Engine Leasing | Sherry Riley | engine.leasing@gecas.com | +1(513)782-4272 |
| (1) CFM56-5C4 | Now - Sale / Lease | Magellan Aviation Group | Bill Polyi | bill.polyi@magellangroup.net | +1 (704) 504 9204 x202 |
| (1) CFM56-7B20 TRUEngine™ | Now - Sale / Exchange | CFM Materials | Jimmy Hill | Jimmy.Hill@cfmmaterials.com | +1 214-988-6670 |
| (1) CFM56-7B24 TRUEngine™ | Now - Sale / Exchange | | | | |
| (1) CFM56-7B27 TRUEngine™ | Now - Sale / Exchange | | | | |
| (1) CFM56-5B4/P TRUEngine™ | Now - Sale / Exchange | | | | |
| (1) CFM56-7B26 | Now - Lease | Fortress Investment Group | Tom McFarland | Aviation@fortress.com | +1 305-520-2349 |
| (1) CFM56-3C1 | Now - Sale / Lease | | | | |
| (2) CFM56-5C3/F4 | Now - Sale/Lease/Exch. | AerFin | R. Rosser | | +442921676296 |
| (7) CFM56-5C4 | Now - Sale/Lease/Exch. | | | | |
| (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. | | | | |
| (1) CFM56-5B4/3 | Now - Lease | Willis Lease | Ann Lee | alee@willislease.com | +1 (415) 408 4769 |
| (1) CFM56-5C4/P | Now - Lease | | | | |
| (1) CFM56-5C4 | Now - Lease | | | | |
| (1) CFM56-7B26/3 | Now - Lease | | | | |
| (1) CFM56-7B26 | Oct 2017 - Lease | | | | |
| (1) CFM56-5B4/P | Now - Lease | | | | |
| (1) CFM56-7B24/3 | Now - Lease | | | | |
| JT8D and JT9D Engines | Sale / Lease | Company | Contact | Email | Phone |
| (1) JT8D-219 | Now - Sale | Azure Resources | Jeffrey Young | jeff@azureres.com | +1-954-796-8158 |
| (1) JT9D-7R4D-E | Now - Sale/Lease | Jet Midwest | Kevin Lee | engines@jetmidwest.com | +1-310-652-0296 |
| (1) JT8D-219 | Now - Sale | GA Telesis | Robert Huffman | rhuffman@gatelesis.com | +1 954 676 3111 |
| PW Small Engines | Sale / Lease | Company | Contact | Email | Phone |
| (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) PW121 (ATR) | Now - Sale/Lease/Exch. | Willis Lease | David Desaulniers | ddesaulniers@willislease.com | +1 415 516 4837 |
| (2) PW121-8 | Now - Sale/Lease/Exch. | | | | |
| (1) PW123 | Now - Sale/Lease/Exch. | | | | |
| (1) PW127 | Now - Sale/Lease/Exch. | | | | |
| (2) PW150A | Now - Sale/Lease/Exch. | | | | |
| (1) PW127M | Now - Sale/Lease/Exch. | | | | |
| (2) PW127F | Now - Sale/Lease/Exch. | | | | |
| (2) PW124B | Now - Sale/Lease/Exch. | | | | |
| (1) PW120A | Now - Sale / Lease | Regional One | Chris Furlan | cfurlan@regionalone.com | -1(305) 759-0670 Ext.164 |
| (1) PW120 | Now - Sale/Lease/Exch. | | Miguel Bolivar | mbolivar@RegionalOne.com | +1 (786)-623-3936 |
| (1) PW123E | Now - Sale/Lease/Exch. | | Miguel Bolivar | mbolivar@RegionalOne.com | +1 (786)-623-3936 |
| (4) PW126 | Now - Sale/Lease/Exch. | | Miguel Bolivar | mbolivar@RegionalOne.com | +1 (786)-623-3936 |
| (1) PW121 | Now - Sale/Lease/Exch. | | Miguel Bolivar | mbolivar@RegionalOne.com | +1 (786)-623-3936 |
| PW119B RGB | Now - Lease | Lufthansa Technik AERO Alzey | Kai Ebach | k.ebach@lhaero.com | +49-6731-497-368 |
| PW119B | Now - Lease | | | | |
| PW120A | Now - Lease | | | | |
| PW121 (ATR) | Now - Lease | | | | |
| PW124B | Now - Lease | | | | |
| PW123B | Now - Lease | | | | |
| PW125B | Now - Lease | | | | |
| PW127F | Now - Lease | | | | |
| PW150A | Now - Lease | | | | |

Commerical Engines (cont.)

| | | | | | |
|-----------------------|------------------------|--------------------------------|----------------------|---------------------------------|------------------------|
| PW127M | Now - Lease | Lufthansa Technik AERO Alzey | Kai Ebach | k.ebach@lhaero.com | +49-6731-497-368 |
| PW150 GRB | Now - Lease | | | | |
| (1) PW124B | Now - Sale/Lease/Exch. | Logix.Aero | Jean-Christian Morin | jcmorin@logix.aero | +33.6.4782.4262 |
| (1) PW127F | | | Remi Krys | rkrysts@logix.aero | +33.6.2079.1039 |
| (1) PW127M | | | | | |
| (1) PW120 / PW121 | Now - Sale / Lease | Royal Aero | Frank Rustmeier | frank@royalaero.com | +49 (0)8025 99360 |
| PW2000 Engines | Sale / Lease | Company | Contact | Email | Phone |
| (1) PW2037M | Now - Sale / Lease | Fortress Investment Group | Tom McFarland | Aviation@fortress.com | +1 305-520-2349 |
| PW4000 Engines | Sale / Lease | Company | Contact | Email | Phone |
| (2) PW4056-1 | Now - Sale/Lease/Exch. | GA Telesis | Eddo Weijer | eweijer@gatelesis.com | +1-954-676-3111 |
| (1) PW4056-3 | Now - Sale / Lease | Magellan Aviation Group | Bill Poli | bill.poli@magellangroup.net | +1 (704) 504 9204 x202 |
| (2) PW4090 | Q1/2018 - Sale / Lease | Castlelake | Stuart MacGregor | stuart.macgregor@castlelake.com | +44 207 190 6138 |
| (1) PW4168A | Sep 17 - Lease | Engine Lease Finance | Declan Madigan | declan.madigan@elfc.com | +353 61 291717 |
| (1) PW4056-3 | Now - Sale/Lease | Jet Midwest | Kevin Lee | engines@jetmidwest.com | +1-310-652-0296 |
| (1) PW4060-3 | Now - Sale / Lease | AerSale. Inc. | Matthew White | matthew.white@aersale.com | +353 1475 3005 |
| (1) PW4062-3 | Now - Sale / Lease | | Matthew White | matthew.white@aersale.com | +353 1475 3005 |
| (1) PW4056-3 | Now - Sale / Lease | | Alan Kehoe | Alan.Kehoe@aersale.com | +353 879 393 534 |
| RB211 Engines | Sale / Lease | Company | Contact | Email | Phone |
| (1) RB211-535 | Now - Sale/Lease | Jet Midwest | Dave Williams | dave.williams@jetmidwest.com | +1-817-791-4930 |
| (1) RB211-535E4 | Now - Sale | World Star Aviation Services | Sean O Connor | Soconnor@worldstaraviation.com | +1 415-956-9456 |
| Trent Engines | Sale / Lease | Company | Contact | Email | Phone |
| (3) Trent 800 | Now - Sale | GA Telesis | Eddo Weijer | eweijer@gatelesis.com | +1-954-676-3111 |
| (1) Trent 892 | Now - Sale/Lease/Exch. | AerSale. Inc. | Matthew White | matthew.white@aersale.com | +353 1475 3005 |
| (2) Trent 892 | Now - Sale / Lease | TrueAero, LLC. | Matt Parker | mparker@trueaero.com | +1 469-607-6110 |
| (4) Trent 556 | Now - Sale / Lease | | | | |
| (1) Trent 772B | Now - Sale/Lease/Exch. | Rolls-Royce & Partners Finance | Bobby Janagan | bobby.janagan@rolls-royce.com | +44 20 7227 9078 |
| V2500 Engines | Sale / Lease | Company | Contact | Email | Phone |
| 1) V2533-A5 w/QEC | Now - Sale/Lease/Exch. | Rolls-Royce & Partners Finance | Bobby Janagan | bobby.janagan@rolls-royce.com | +44 20 7227 9078 |
| (1) V2533-A5 | Now - Lease | Engine Lease Finance | Declan Madigan | declan.madigan@elfc.com | +353 61 291717 |
| (1) V2533-A5 | Now - Sale/Lease/Exch. | Werner Aero Services | Cliff Topham | ctopham@werneraero.com | +1-703-402-7430 |

Aircraft and Engine Parts, Components and Misc. Equipment

| Description | Company | Contact | Email | Phone |
|--|------------------------|------------------------------|---------------------------|-----------------------------------|
| (2) A330-200 Landing Gear | Now - Sale | TrueAero, LLC | Matt Parker | mparker@trueaero.com |
| (2) A340-600 Landing Gear | Now - Sale | | | +1 469-607-6110 |
| (1) A340-300 Landing Gear | Now - Sale | | | |
| (2) GTCP331-500 | Now - Sale | | | |
| (2) GTCP331-350C | Now - Sale | | | |
| (1) GTCP36-150RJ, (2) GTCP36-100M, | Now - Sale/Lease/Exch. | Regional One | Miguel Bolivar | mbolivar@RegionalOne.com |
| (1) RE220RJ, (1) PW126 RGB, (1) PW901A | | | | +1 (786)-623-3936 |
| (1) APS1000-C12, (1) APS1000-C3 | | | | |
| GTCP131-9A (2), GTCP131-9B(2) | Now - Lease | REVIMA APU | Olivier Hy | olivier.hy@revima-apu.com |
| GTCP331-200, GTCP331-250 | Now - Lease | | | +33(0)235563515 |
| APS500C14(3), APS1000C12(2), APS2000 | Now - Lease | | | |
| APS2300, APS3200(2), APS5000(2) | Now - Lease | | | |
| PW901A(4), PW901C(2) | Now - Sale / Lease | | | |
| TSCP700-4E | Now - Sale | | | |
| Neutral CFM56-5B & CFM56-7B QEC Kits | Now - Sale | CFM Materials | Michael Arellano | michael.arellano@cfmmaterials.com |
| GTCP131-9A, GTCP131-9B , GTCP331-350C | Now - Sale/Lease/Exch. | Logix.Aero | Jean-Christian Morin | jcmorin@logix.aero |
| GTCP331-500B, GTCP331-500B | | | Rich Lewsley | rlewsley@logix.aero |
| APU GTCP 331-500 | Now - Lease | Willis Lease | Ann Lee | alee@willislease.com |
| Engine stands now available | Now - Lease | | | +1 (415) 408 4769 |
| (2) GTCP131-9B, (2) GTCP131-9A | Now - Sale / Lease | GA Telesis | Dave Dicken | +1 954-676-3111 |
| B737-400 main landing gears, with 2015 tags | | World Star Aviation Services | Tommy Guttman | tguttman@worldstaraviation.com |
| 767-300ER 413K LANDING GEAR | Now - Sale | Azure Resources | Jeffrey Young | jeff@azureres.com |
| 737-300/400 LANDING GEAR | | | | +1-954-796-8158 |
| CFM56-3 MODULES | | | | |
| ENGINE STANDS: Trent 800, PW4000 112"/V2500 | National Aero Stands | | support@stands.aero | + 1 305-558-8973 |
| / CFM56/ PW2000 & Bootstrap kits | | | | |
| GTCP131-9A, GTCP 131-9B | Now - Sale / Lease | Werner Aero Services | Julien Levy | jlevy@Werneraero.com |
| GTCP36-300A, 737-800 Winglets | Now - Sale / Lease | | | +1 201-674-9999 |
| 737-700 & 737-800 Landing Gear | Now - Sale / Lease | | | |
| 737-800 NOSE LANDING GEAR PN 162A1100-5, OH - Now Sale | Reliance Aircraft | Terry Hix | thix@relianceaircraft.com | +1 512-439-6988 |
| 767-300 Winglets, LH-RH P/N 767-0010-7 & -8 | | | | |
| (2) PW901A, (1) PW901C(1), PW125B RGB | Now - Lease | Lufthansa Technik AERO Alzey | Kai Ebach | k.ebach@lhaero.com |
| | | | | +49-6731-497-368 |