

# Weekly Aviation Headline News

## WORLD NEWS

### Liverpool Airport celebrates 85<sup>th</sup> anniversary

Liverpool John Lennon Airport has celebrated the 85<sup>th</sup> anniversary of its official opening. Almost 100 million passengers have travelled to or from Liverpool Airport since its official opening in 1933 and much has changed over the past 85 years, however Liverpool continues to play a significant role in the connectivity of the North West and beyond. LLA currently handles 5 million passengers per year with flights to almost 70 destinations in the UK and across Europe.

### Hitit partners with Kam Air for IT solutions

Hitit has completed the first half of 2018 with a new airline partner. Kam Air from Afghanistan completed the migration process and started to use Hitit's solution suite Crane. Kam Air is operating both scheduled and charter flights domestically and regionally. As an IT provider company, Hitit has processed more than 50 billion flight queries and 65 million passengers through its systems worldwide and has a remarkable perspective and potential to continue growing.

### Jet Airways inducts India's first 737 MAX 8

Jet Airways, India's premier international airline, has inducted its very first Boeing 737 MAX in its fleet. The 737 MAX represents Boeing's latest upgrade to its single aisle 737, which has been the backbone of Jet Airways' fleet ever since the airline commenced operations in 1994 with the then latest 737-300s. The new 737 MAX 8 will offer a standard two-class configuration comprising 12 Premiere and 162 seats in Economy.



Guadalajara is a popular market for Delta.

Photo: Delta

## Delta celebrates Mexican services

With 40 years of operations to Guadalajara

Delta Air Lines is celebrating its 40<sup>th</sup> anniversary of service to Guadalajara, Mexico (GDL). Over the last decade, the airline has transported more than one million customers on approximately 9,000 flights connecting Guadalajara to Delta's extensive network in the U.S., Latin America and the world.

"Mexico is a key destination for North Americans and we are proud to have reached four decades flying to Guadalajara," said José "Pepe" Zapata, General Manager — Joint Cooperation Agreement Sales in

Mexico. "I want to thank our employees for their commitment and support as well as Aeromexico employees and JCA partners because

in a Boeing 737-800 aircraft, offering 16 seats in First Class, 36 seats in Delta Comfort+, and 108 seats in the main cabin during peak season.

**"Mexico is a key destination for North Americans and we are proud to have reached four decades flying to Guadalajara."**

*José "Pepe" Zapata, General Manager — Joint Cooperation Agreement Sales in Mexico*

they work diligently to offer our joint customers the best of what each airline has to offer."

Delta operates one non-stop daily flight from Atlanta to Guadalajara

Delta also connects Guadalajara through its Joint Cooperation Agreement with Aeromexico. Operated by its partner Aeromexico, Delta offers seven

additional destinations from GDL to Chicago (ORD), Fresno (FAT), Los Angeles (LAX), Sacramento (SMF), Salt Lake City (SLC), San Francisco (SFO) and San Jose (SJC).

*Continued on page 3*





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Recently, Delta commemorated the first anniversary of this Joint Cooperation Agreement with Aeromexico, the largest trans-border alliance between Mexico and the United States. In the past year, the alliance has served more

than seven million customers between both countries and across 64 different routes.

Last December, Delta featured a video produced by Aeromexico on Guadalajara's art,

fashion and local cuisine in its video series "Destinos," inviting customers to explore all of what this destination has to offer for travellers.

**AIRCRAFT & ENGINE NEWS**

**Bamboo Airways signs commitment for 20 787 Dreamliners**

Boeing and Vietnam start-up airline Bamboo Airways have signed a commitment for 20 787-9 Dreamliners in a deal that would be worth US\$5.6 billion at current list prices, when finalized. The announcement was made during a signing ceremony at the U.S. Chamber of Commerce office. As part of the agreement, Bamboo Airways completed the deposit requirement in mid-June to reserve the 20 airplanes, which are tentatively scheduled to deliver from April 2020 through 2021.

**Iberia takes delivery of first A350-900**

Iberia has taken delivery of its first A350-900 on June 26, at the Airbus factory in Toulouse. The A350-900, registered as EC-MXV and named Plácido Domingo, is the first unit of its type, boasting improved aerodynamic performance and structure, thanks to the use of a large proportion of composite material in its manufacture, along with a new design for certain elements, such as the wings and window frames. The reinforced landing gear enables the airplane to take off with a maximum weight of up 280 tones. Two Rolls-Royce Trent XWB engines, each delivering 84,000 pounds of thrust, power the 348-seat aircraft. The first commercial flights of "Plácido Domingo" will be made on routes from Madrid to London and to Paris

**Airbus BelugaXL rolls out of paint shop**



BelugaXL rolls out of the paint shop

Photo: Airbus

The first BelugaXL has rolled out of the paint shop unveiling a special livery making it look like a Beluga Whale. The livery was one of six choices submitted to Airbus employees through a poll where 20,000 people participated. With 40% of votes in favour, the smiley livery won. The BelugaXL will now undertake ground tests before its first flight planned this summer. The decision to build the BelugaXL was taken in November 2014 to address the transport and ramp-up capacity requirements for Airbus beyond 2019. The new oversize air transporters are based on the A330-200 Freighter, with a large re-use of existing components and equipment. The first of five BelugaXLs will enter into service in 2019.

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starting on July 20. From August 4, the new aircraft will be used for Madrid-New York flights. The acquisition of the A350-900 is part of Iberia's fleet replacement and expansion program which began in 2011. Since then, a total of 56 new aircraft have been ordered for the Spanish airline: eight A330-300s and 12 A330-200s have already entered service and are to be joined by 16 A350-900s, and 20 A320Neos. Iberia has also renovated its 17 A340-600s, installing all-new cabin interiors, individual entertainment systems, and Wi-Fi connections. The delivery of the first A350-900 also marks the launch of a new concept of airline operations management called eOperations. It allows the storage of flight documentation digitally on an electronic support, and to integrate on-board systems with Operations and IT infrastructure.

**FPG and FPG Amentum arrange the acquisition of two Vueling A320-200s for investor customers**

Financial Products Group (FPG), the Tokyo-headquartered, listed independent financial services firm and FPG Amentum (FPG Amentum), the Dublin-based aircraft leasing / management company have announced the acquisition of two Airbus A320-200s. The aircraft were acquired from another lessor and are on lease to Vueling Airlines, S.A.

**S7 Airlines receives first new Airbus A321-200neo aircraft**

S7 Airlines has received its first new Airbus A321-200neo aircraft from Air Lease Corporation. This aircraft is the first of four Pratt & Whitney PW1133G-powered A321neos to be delivered to S7 in 2018 from ALC's order book with Airbus. "The four new ALC A321neo aircraft bring a new level of operating efficiency and competitiveness to S7's fleet," said Alex Khatibi, Executive Vice President, Air Lease Corporation. "S7 is a highly regarded customer for ALC and this lease placement underlines our commitment to S7's modernization and continued successful growth as a leading airline."

**QantasLink unveils cabin upgrades**

QantasLink's first upgraded turboprop aircraft took to the skies with a refreshed cabin and greater comfort for the airline's regional customers. The upgraded Q300 turboprop was unveiled on June 26, at QantasLink's hangar facility at Tamworth Airport, the airline's hub for regional aircraft maintenance. The program to

**AEGEAN Airlines firms up order for 30 A320neo Family aircraft**



Greece's biggest airline, AEGEAN Airlines, firms up order for 30 A320neo Family aircraft

Photo: Airbus

Greece's biggest airline, AEGEAN Airlines, has firmed up an order for the purchase of 30 A320neo Family aircraft. The purchase agreement, comprising 10 A321neos and 20 A320neos, was signed by AEGEAN Chairman Eftichios Vassilakis and Airbus Chief Executive Officer Tom Enders. It follows an earlier Memorandum of Understanding signed in March 2018. Currently, AEGEAN operates a fleet of 49 Airbus aircraft (37 A320s, 11 A321s and one A319). Eftichios Vassilakis, Chairman of AEGEAN stated: "Our agreement with Airbus augments AEGEAN's capacity for development along with a trusted, long-standing partner. We invest in the bestselling A320neo Family to enhance our competitiveness and to further improve our service offering to our passengers. We believe in the ability of our people to excel in what they do, and they deserve to have the best hardware for the job."

**Norwegian introduces new slimline seats to transatlantic flights on 737 MAX**



The new RECARO 3710C seat on Norwegian's 737 MAX  
Photo: Norwegian

Norwegian has taken delivery of its first Boeing 737 MAX aircraft with an upgraded cabin of new slimline seats that are specifically designed for more comfort on longer routes and will give taller passengers more personal space. Norwegian has more than 100 Boeing 737 MAXs on order and will take delivery of 12 brand-new Boeing 737 MAX aircraft in 2018. The aircraft service Norwegian's transatlantic routes to New York and Providence near Boston,

from the UK and Ireland and as part of the airline's fleet modernization plan; the 737 MAX will replace older Boeing 737-800s on short-haul routes. On the one-year anniversary of launching nonstop transatlantic flights to smaller cities on the U.S. East Coast, Norwegian has enhanced the passenger experience on its Boeing 737 MAX by introducing the brand-new RECARO 3710C seat. The new, slimmer 189 leather seats have 30" seat pitch, measure 16.8" wide and are designed to add space at knee level, giving customers additional comfort on Norwegian's newest 737 MAX. Each seat weighs around 10kg – 1kg less than the older model, which reduces the weight of the aircraft by more than 200kg overall. The lower aircraft weight reduces fuel burn and Norwegian's operating costs which allows the carrier to continue delivering affordable fares and an environmentally friendly service.

**AIRCRAFT & ENGINE NEWS**

upgrade the fleet of 45 Bombardier Q200, Q300 and Q400 aircraft is expected to be completed by the end of 2019. The fleet upgrade is part of a multi-million-dollar commitment to providing regional passengers with a better overall travel experience. The improved turboprop experience includes new ergonomic seat cushioning, leather upholstery, tablet device holders, a refreshed color palette of greys and charcoals, and new floor coverings. Each turboprop aircraft takes around ten days to upgrade, with up to 13 engineers and project support staff working on each aircraft. The work is timed to coincide with scheduled maintenance and closely aligns the turboprop interiors with those in the QantasLink jet fleet.

**Nepal Airlines receives first A330 on lease from Hi Fly**

Nepal Airlines has taken delivery of the first of two A330s, which it will lease from Portuguese lessor Hi Fly. These will be in addition to its two existing A320neos and will be one of the largest aircraft operating out of Tribhuvan International Airport. Situated at high altitude, only the most sophisticated of aircraft are capable of operating from this location, which is Nepal's gateway to destinations in the rest of Asia and beyond. The A330 is one of the most popular wide-body aircraft, having won over 1,700 orders from 119 customers worldwide. Today, over 1,300 A330s are in service with 124 airlines, flying on everything from high-density domestic and regional operations to long-range intercontinental routes.

**Embraer delivers Asia Pacific's first Phenom 300E to Northern Escape Collection**

Embraer has delivered its first Phenom 300E in Asia Pacific to Northern Escape Collection. The new light jet model, which is an enhancement of the Phenom 300, offers Northern Escape Collection an elegant solution to provide its guests access to its collection of private lodges in Queensland including Orpheus Island Lodge, Daintree Ecologde and Mt Mulligan Lodge. Australia-based aircraft and charter management company Avcair will operate the new Phenom 300E on behalf of Northern Escape Collection. Avcair will also offer it for VIP domestic and international charter services. The delivery of Embraer's new Phenom 300E to the Australia-based company brings Embraer's Executive Jets' fleet in the Asia Pacific and China region to over 90 in more than ten countries.

**Airbus Corporate Jets' first A320neo begins final assembly**



1<sup>st</sup> ACJ320neo final assembly Hamburg

Photo: Airbus

The first ACJ320neo (new engine option) has entered final assembly in Hamburg, Germany, marking the start of a new era in Airbus Corporate Jets. Featuring the largest cabin in its class, the ACJ320neo is due to be delivered to Acropolis Aviation of the United Kingdom in the last quarter of 2018, together with a second aircraft, for Comlux of Switzerland. More than 300 A320neo Family airliners are already flying with carriers around the world, but deliveries of corporate jet versions are only just beginning. Like the airliner versions, the ACJ320neo Family features new-generation engines and Sharklets, which save around 15 percent in fuel and deliver a leap forward in range. The resulting ACJ320neo can fly 25 passengers 6,000 nm/11,100 km or 13 hours – enabling routes such as London to Beijing or Cape Town and Moscow to Los Angeles – while the ACJ319neo can fly eight passengers 6,700 nm/12,500 km or 15 hours. The hallmark of the ACJ320neo Family is a wider and taller cabin than that of traditional business jets, while having a similar ramp footprint and operating costs, and better residual value. The differences in the ACJ320neo Family compared to airliner variants include a cargo hold that is reinforced to carry additional centre tanks (ACTs) for intercontinental range, built-in airstairs for airport autonomy, and a lower cabin altitude for passenger comfort.

**MRO & PRODUCTION NEWS**

**BLR Aerospace announces first H125 FastFin System validation in China**

BLR Aerospace has announced that the Civil Aviation Administration of China has validated the Supplemental Type Certificate for the H125 FastFin® System, clearing the way for installation of FastFin on Airbus H125 helicopters in China. It is the first FastFin System to be validated in China, according to BLR President Mike Carpenter. The H125 FastFin System uses advanced airflow management to increase the effectiveness of the H125 anti-torque system for significant increases to useful load and aircraft stability, especially in hot/high conditions. Benefits include a useful load increase up to 120 pounds and a 10% im-

provement in pedal margins. Thirty-five H125 FastFin Systems have been sold to date and are operating in seven countries. More than 1,100 FastFin Systems are flying worldwide.

**Barfield to distribute Falgayras components in the U.S.**

Barfield, the U.S. bridgehead of AFI KLM E&M's global MRO network, has announced the signing of a regional distribution agreement with Falgayras SAS, a cutting-edge mechanical, electrical and electronics engineering OEM located at the heart of the aviation cluster around Toulouse in southern France. This is an exclusive multi-year agreement involving a selection of Falgayras products, and in particular windscreen wiper systems (wiper arms, blades and motors)

**MRO & PRODUCTION NEWS**

fitted as original equipment to many Bombardier CSeries and Mitsubishi MRJ-family aircraft, as well as Airbus Helicopter helicopters. This latest partnership strengthens Barfield’s growth strategy in the area of aircraft component distribution – one of the company’s three businesses along with maintenance services and the supply of Ground Support Test Equipment (GSTE). Barfield already markets a wide range of aircraft parts in the Americas under partnerships with reputed OEMs, including Stelia, Airbus EAP, and Siemens Elta.

**Airbus and THAI sign agreement to proceed with joint venture MRO**

Airbus and Thai Airways International (THAI) have signed an agreement to establish a new joint venture maintenance and overhaul (MRO) facility at U-Tapao International Airport near Bangkok. The accord was signed on June 22, at Airbus headquarters in Toulouse by Usanee Sangsingkeo, Acting President, THAI and Eric Schulz, Chief Commercial Officer, Airbus, in the presence of Prayut Chan-o-cha, Prime Minister of Thailand and Guillaume Faury, President Airbus Commercial Aircraft. The new MRO center will be one of the most modern and extensive in the Asia-Pacific region, offering heavy maintenance and line services for all wide-body aircraft types. The facility will feature the latest digital technologies to analyze aircraft maintenance data, as well as advanced inspection techniques, including the use of drones to monitor aircraft airframes. The MRO complex will also have specialized repair shops, including for composite structures, as well as a maintenance training center offering extensive courses for technical personnel from Thailand and overseas.

**Robertson Fuel Systems and StandardAero attain EASA certification for retrofittable CRFT for Airbus Helicopters AS350/EC130**

StandardAero has attained European Aviation Safety Agency (EASA) certification for their re-

**Spirit AeroSystems expands manufacturing operations in Subang, Malaysia**



Spirit Aero Systems opened its new logistics warehouse

Photo: Spirit AeroSystems

Spirit AeroSystems has officially opened its new logistics warehouse at its manufacturing operations in Subang, Malaysia. The 50,000-ft<sup>2</sup> facility will accommodate increasing volumes of assembly work on aerostructure components for commercial airliners. The expansion will free up other manufacturing space and improve the site’s capacity to rapidly build complex aerostructures for high-rate production programs at competitive cost. The new warehouse is adjacent to other buildings on Spirit’s campus in the Malaysia International Aerospace Centre near Kuala Lumpur. The building and its supporting infrastructure have been designed with future expansion in mind, giving the company flexibility to eventually add another 75,000 ft<sup>2</sup> of warehousing space.

rofitable crash-resistant fuel tank (CRFT) system for the Airbus Helicopters AS350 and EC130 family of light single-engine helicopters. The newly approved CRFT was developed in partnership with Robertson Fuel Systems, the leader in the design and manufacture of fuel containment systems. StandardAero achieved Federal Aviation Administration (FAA) certification in early December 2017 and has since begun delivery of CRFT kits to its customers, including launch customers, Air Methods and WeatherTech Aviation. StandardAero and Robertson jointly recognized

Air Methods in a celebratory event during HAI Heli-Expo, at the time commemorating the successful installation of 11 crash-resistant fuel tank retrofits, representing the first step in updating their entire fleet of affected aircraft. Since FAA certification, StandardAero has delivered 40 CRFT kits to its customers and has been actively engaged with several fleet operators interested in enhancing their fleet with this new technology.



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**MRO & PRODUCTION NEWS**

**AJW partners with Allegiant Air**

AJW Group has signed a component repair agreement between the US-based leisure carrier Allegiant Air (Allegiant) and the Group's Montreal-based MRO facility, AJW Technique. The contract, covering 150-part numbers, is a significant win for the aircraft parts maintenance and repair specialist, which signed the deal during the MRO Americas expo in Orlando, Florida. Allegiant has outlined ambitious growth plans that will see AJW supporting up to 100 aircraft by 2020 for the low-cost, Las Vegas-headquartered carrier. The agreement is a fixed price repair contract that utilizes quality focused engineering practices to increase the on-wing life of the components and thus improve dispatch reliability. The contract, which will be carried out at AJW's 160,000 sq. ft. state-of-the-art facility near Montreal International Airport, will provide Allegiant with access to a full pool of A320 forward exchange spares material.

**Airbus Helicopters and Safran roll out major competitiveness boost to H125 and H130**

Airbus H125 and H130 helicopter customers will get a boost in their operations thanks to a significant reduction in direct maintenance costs for the Safran Arriel 2D engine, which equips both single-engine aircraft. The two main improvements provided by Safran are the extension of 25% for the time between overhaul (TBO) to 5,000 hours for new and in-service helicopters, and the new three year/ 2,000 hours warranty conditions – replacing the previous two year/1,000 hours warranty – for all H125 and H130 helicopters delivered in 2018. H125 and H130 customers will also benefit from the removal of the calendar limitation, which until now required an engine inspection at a repair centre every 15 years, regardless of the number of hours logged. The robustness of the Arriel 2D eliminates the need for a calendar limit on modules 1, 2, 4 and 5, while for module 3, the engine's condition can be restored during a periodic visit performed during regular maintenance

**PPG begins preliminary windshield design for Antonov AN-132 aircraft**

PPG has begun preliminary windshield design work for the Antonov AN-132 multipurpose transport plane, following the execution of a memorandum of understanding. "PPG looks forward to working with Antonov to complete the windshield design for the AN-132 aircraft using innovative technology that offers reliable performance," said Brent Wright, PPG Global Director, Aerospace Transparencies. "This is the first Antonov aircraft for which PPG will provide its transparencies' expertise. We appreciate the opportunity to demonstrate our unique ability to work with our customers to address their challenges and bring product benefits that far exceed their expectations." Once commercial terms are agreed to, PPG and Antonov will develop the final design and production schedule. Qualification of the two windshields is expected to be completed in 2019. The Antonov AN-132 multipurpose transport plane is a new generation of the AN-32 aircraft. The program is being implemented by the Antonov company in cooperation with the Saudi King Abdulaziz City for Science and Technology (KACST) and Taqnia Aeronautics Co. The first aircraft will be assembled in Ukraine, with series manufacturing transitioning to Saudi Arabia with the involvement of Taqnia Aeronautics and KACST.

**FINANCIAL NEWS**

**PSP Investments and ATL Partners announce the sale of Sky Aviation Leasing International to Goshawk Aviation**

The Public Sector Pension Investment Board (PSP Investments) and ATL Partners (ATL) have announced that their jointly owned portfolio company, Sky Aviation Leasing International (SKY Leasing), has entered into a definitive agreement to sell Sky Aviation Leasing International (SALI), an Irish subsidiary of SKY Leasing, to Goshawk Aviation (Goshawk), an aircraft leasing company owned by Chow Tai Fook Enterprises and NWS Holdings. Following the completion of this transaction, PSP Investments and ATL will

continue to own SKY Leasing, which, through its entities based in the United States, will continue to act as servicer to aircraft owned by various securitization vehicles. In October 2015, PSP Investments and ATL, in partnership with the management team led by industry veteran Richard Wiley, formed SKY Leasing as a new aircraft leasing platform. The investment was underpinned by the accelerating need for fleet planning in the context of strong growth in the global commercial aircraft fleet and movement to next-generation aircraft. In less than three years since its formation, SALI has acquired or committed to acquire 51 commercial aircraft, building a high-growth, established, and globally active commercial aircraft leasing platform focused on new and young-mid-life aircraft. The transaction is subject to customary regulatory and closing conditions and is expected to be completed in the third quarter of 2018.

**GECAS and Oz Management close STARR 2018-1**

GECAS and Oz Management have announced the closing of STARR 2018-1. Operating as START Ltd., this closing marks the first aircraft portfolio purchase vehicle structure to include a dedicated Asset Manager for equity investors. In this transaction GECAS is selling a portfolio of aircraft to Start Ltd, which is financing its acquisition through issuance of 144A debt and equity. The sales are subject to typical conditions precedent including any regulatory approvals that may be necessary. GECAS will continue to service the portfolio and an affiliate of Oz will serve as the Asset Manager. The diversified portfolio is comprised of 24 in-production Boeing and Airbus aircraft on lease to 16 global airlines in 15 countries, with a total appraised value of approximately US\$700 million. An affiliate of Oz, through an exclusive, multi-year agreement with GECAS, will serve as an asset manager on this and potential future transactions, acting on behalf of the syndicated equity investors as an advisor to the board regarding portfolio matters. In this capacity, Oz will provide increased transparency on behalf of START Ltd. through enhanced investor reporting to improve liquidity for debt and equity investors.

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**FINANCIAL NEWS**

**TUI successfully issues certificate of indebtedness with total volume of €425 million**

TUI successfully issued a certificate of indebtedness with tenors of five, seven and ten years including fixed and floating rate tranches. The average tenor of the transaction amounts to 6.4 years. Due to very strong investor demand the initially announced volume of €200 million (US\$234 million) was significantly oversubscribed and TUI decided to upsize the deal to €425 million (US\$497 million). The certificate of indebtedness attracted a broad range of domestic and international investors. The main proceeds of the Group's general financing will, in particular, be used to finance new aircraft. Currently, the Group is renewing and modernizing its Boeing 737 fleet.

**MILITARY AND DEFENCE**

**Boeing Chinook Block II program moves to final assembly**

Boeing and the U.S. Army celebrated a major CH-47F Block II program milestone with the loading of the first engineering and manufacturing development (EMD) helicopter into final assembly on June 27. The contract to develop the next-generation Chinook for the U.S. Army conventional and Special Operations Forces was awarded to Boeing in July 2017. The Block II program incorporates several upgrades to increase lift capability, including Advanced Chinook Rotor Blades, an upgraded fuselage, new fuel system, and new drivetrain. These updates greatly increase the commonality between U.S. Army and allied fleets, thus reducing maintenance costs. The first Block II aircraft is expected to be completed in 2019, with flight testing scheduled shortly thereafter. First delivery is expected in 2023. Eventually, the Army will upgrade more than 500 Chinooks to the new configuration.

**OTHER NEWS**

**Bombardier** has reached collective bargaining agreements with the more than 2,100 production and office workers, represented by Unifor Locals 112 and 673, at its site in Toronto, Ontario. Members from Unifor Locals 112 and 673 ratified the agreements to reflect their continued commitment to the success of Bombardier's Toronto site, and the future of the new site at Toronto Pearson International Airport. The Bombardier Toronto Site is an important engineering and research and development facility, and



Landslide majority as U.K.'s parliament votes in favor of third London Heathrow runway

With 415 votes for and 119 votes against, the **U.K parliament** has given the go-ahead for the construction of a third runway at the city's busiest airport, **Heathrow**. However, this is just one more step in many phases that will have to be gone through before any construction work. The vote gives the green light to the construction of a new runway at the airport, but that is all. There is still a long way to go before it will be agreed what, exactly, can be built, and what increase in flight numbers will be permitted. There is still sufficiently strong opposition to the runway, not just from key British ministers such as Foreign Secretary, Boris Johnson, who was conspicuous through his absence from the vote, and the Mayor of London, Sadiq Khan, who immediately took to Twitter afterwards: "I will join the legal action brought by local authorities in opposition to Heathrow expansion. "The Government is pressing ahead with the wrong option, resulting in intolerable noise levels and worsening air quality." There is considerable and understandable opposition to the new runway from residents in the location, many of whose homes have now been blighted. According to the airport's chief executive, John Holland-Kaye: "With the airport now running at 98% capacity, there is no room for growth and the UK faces losing valuable opportunities to other countries." The airport will continue to increase passenger numbers for now, but only through carriers using larger planes for the existing number of slots. The third runway has the potential to increase the current 480,000 takeoffs and landings each year to around 740,000 – an increase of 54 per cent. In terms of passenger numbers, the third runway could increase capacity to 130 million, a near 70 percent rise compared to the 78 million who passed through the airport in 2017.

home to a 24/7 customer support centre for Bombardier aircraft. Employees at the Toronto Site assemble the Q400 turboprop airliner, and the Global 5000, Global 5500, Global 6000, Global 6500 and Global 7500 business jets.

**Kuwait Airways**, one of the oldest airlines in the Middle East, has selected **AMOS** as their single software solution to manage the airline's technical requirements regarding aircraft and components. With the arrival of A320neos and A350 in 2019, Kuwait Airways wanted to prepare for the next phase of their fleet renewal and concluded that AMOS would provide an optimum support in this process. AMOS will replace three legacy systems at Kuwait Airways with historical data of many different aircraft-types reach-

ing back 20 years. This makes the data transfer sub-project a challenging one with due regard to the complexity and criticality of the data migration process. After a rigorous evaluation process, the functional richness and advanced technology of AMOS, paired with **Swiss-AS** experience and a proven track record of successful implementations, convinced Kuwait Airways to select the Swiss M&E software. The national carrier is ready to replace its legacy systems in the M&E sector and adopt AMOS best practice processes. AMOS will replace three legacy systems at Kuwait Airways with historical data of many different aircraft-types reaching back 20 years. This makes the data transfer sub-project a challenging one with due regard to the complexity and criticality of the data migration process.

**OTHER NEWS**

**Spatial**, a leading provider of cabin crew training simulators, has been selected by **Flywings Simulator Training Centre (FWSTC)** to manufacture an A321 mid-cabin exit trainer. The fully functional, high-fidelity mid-cabin simulator will incorporate a Type C door and A321NX ACF overwing exit and enable the comprehensive training of cabin crew in the safe operation of the doors in all normal and potential emergency situations onboard A321 aircraft. An intuitive Instructor Operator Station (IOS) will enable the simulation of any malfunction situation by the trainer including power assist failures, handle and door jams, and slide auto-inflation failures. Designed and built to withstand the rigors of high-volume training, the device will include door visual simulations, passenger service units and drop-down oxygen masks. The device will be delivered to FWSTC within three months. Based in Gurugram, FWSTC is one of India's major providers of training services to airline pilots and cabin crew in the region.

**AeroMobile**, a **Panasonic Avionics Corporation** subsidiary, and **UAE** telecommunications operator **Etisalat** have partnered to simplify and reduce the cost of in-flight mobile phone use. AeroMobile's in-flight mobile phone service is now available in Etisalat's mainstream roaming packages, allowing its subscribers to stay online, make and receive calls, and listen to voicemail on AeroMobile-equipped aircraft at no extra cost. AeroMobile inflight mobile services are available on more than 20 airlines worldwide including Emirates and Etihad in the UAE. Kevin Rogers, CEO of AeroMobile, says: "Etisalat is renowned for being at the leading edge of the customer experience and this new market-leading offer shows their continued commitment to providing the very best service to their subscribers, whilst also endorsing the importance and relevance of in-flight mobile services to the traveling public."

**TAG Farnborough Airport** has been awarded carbon neutral status, the first business aviation airport in the world to achieve this under Airport Carbon Accreditation run by **Airports Council International Europe (ACI EUROPE)**. To achieve carbon neutral status, an airport must have mapped its carbon emissions, reduced CO2 emissions under its direct control, engaged with others on the airport site to reduce their emissions and invested in responsible and credible programs to offset residual carbon emissions. Over the past decade, TAG Farnborough Airport has reduced carbon emissions over which it has direct control by 42% or 2,183 tons (2008 carbon emissions: 5,242 tons) and over the past five years alone has invested over £1 million into energy efficiency projects. "As a world-class



Austrian low-cost market heats up as IAG enters the frame

Photo: AirTeamImages

**IAG** is to become the fourth low-cost carrier to operate out of Vienna with an Air Operator Certificate issued by the **Austrian Civil Aviation Authority**. The Group, which owns **British Airways**, **Vueling** and **Iberia**, among others, has announced the creation of a new low-cost carrier, **LEVEL**, which will service short-haul routes from the Austrian capital. Level will join **easyJet**, **Lufthansa** offshoot **Eurowings**, and newly formed **Laudamotion**, a joint venture between **Niki Lauda** and **Ryanair** and the resurrection of the low-cost carrier, **Niki**, which folded with the demise of its parent company **Air Berlin**. The new carrier will operate four Airbus A321 aircraft each with 210 economy seats and will service fourteen short-haul destinations from Vienna, with primary destinations including London Gatwick (14 flights per week), Paris Charles de Gaulle (13 flights per week) and Milan Malpensa (13 flights per week.) Other destinations include Palma, Barcelona, Malaga, Olbia (Sardinia), Venice, Ibiza, Dubrovnik, Larnaca, Alicante, Valencia and Bilbao. LEVEL will commence commercial operations on July 17 with flights to London Gatwick and Palma. According to IAG's chief executive officer Willie Walsh: "We are launching this new short-haul subsidiary to provide Austrian consumers with more flight choices across Europe. These flights will be branded as LEVEL to build upon the huge success of our new long haul low-cost operation. "We will serve the Austrian market with low-cost, reliable flights and will initially create around 200 new jobs at our Vienna base.

facility, TAG Farnborough Airport is committed to responsible and sustainable development through comprehensive management of our environmental impact. Whilst carbon neutrality is without a doubt an important milestone in our carbon reduction efforts, our work in this field by no means ends here and we will continue to identify new and innovative ways to improve our sustainable credentials," said Miles Thomas, Environment Manager TAG Farnborough Airport.

**ERA (European Regions Airline Association)** has welcomed the adoption of the updated EU aviation safety rules by the European Council which aim to increase efficiency and lower costs, while bringing greater competitiveness and less administration for airspace users. The new rules include first-ever EU-wide rules for civil drones of all siz-

es. ERA supports any initiative that results in safer operation of drones and encourages all EU member states to work together more closely and to share essential information to maintain the highest possible aviation safety standards. The aim of the revised aviation safety rules is to ensure safe, secure and environmentally friendly aviation for EU citizens. The new framework for drones included in the revised mandate lays down basic principles to ensure safety, security, privacy, data protection and environmental protection. ERA's Director General Montserrat Barriga comments: "These new rules, a major deliverable of the Commission's Aviation Strategy for Europe, are welcomed by ERA. We especially commend the first ever EU-wide rules to integrate civil drones into European airspace in a safe manner. In the past, many EU member states employed differ-

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**OTHER NEWS**

ent rules over the use of drones and as such, there was a lack of harmonious approach with regards to safety. As the skies in Europe become busier, we understand that these new rules are necessary to ensure a safer airspace”.

**Southwest Airlines** has reached a tentative agreement with the **Aircraft Mechanics Fraternal Association (AMFA)**, which represents the Company’s 2,400 employees in the aircraft mechanics and related workgroup. The agreement gives employees improved compensation, a ratification bonus and updated work rules. “We’re glad our employees will have the opportunity to vote on this tentative agreement, as we feel it rewards them for the hard work they demonstrate every day,” said Vice President of Labor Relations, Russell McCrady. If the agreement is approved, the contract will become amendable April 1, 2023.

**Turkish Airlines** has launched a brand new wireless in-flight entertainment system developed by Turkish engineers in cooperation with **Turkish Technic Inc.** and **Havelsan**. The new entertainment system is now available on the flag carrier’s 44 narrow-body aircraft via passengers’ personal electronic devices. “We keep striving to make our passengers’ entire journey more enjoyable with our passenger satisfaction focused approach. We are pleased to increase the availability of the in-flight entertainment system to 95% of our fleet,” said Turkish Airlines Chairman of the Board and the Executive Committee, M. İlker Ayci. “This new system will enable our passengers to connect to the Wi-Fi network via their personal electronic devices, and display the media content, specially designed for this system.” In addition, passengers will also be able to use the wireless entertainment system on their laptops by using the Google Chrome browser. Through this in-flight entertainment system, Turkish Airlines’ passengers can access more than 250 films, 700 TV Shows, 2,000 music albums, 19,000 songs, and other media content.

Up until now there has been a great deal of



Baines Simmons COMAC training

Photo: Baines Simmons

**Baines Simmons**, part of the Consulting & Training Division of global aviation services group **Air Partner**, has delivered Part 21 training in Shanghai to the **Commercial Aircraft Corporation of China (COMAC)**, as it evaluates the **European Aviation Safety Agency (EASA)** regulatory framework. Baines Simmons was contracted to provide a Part 21 course (Airworthiness and Environmental Certification), which involved two days of Design Organisations Approval (DOA) training and one day of Compliance Verification Engineer (CVE) training. This was then concluded by a day-long Q&A session with 25 senior executives, exploring the intent, benefits and challenges of being a Design Organisation Approval Holder (DOAH). Duane Kritzinger, Principal Consultant at Baines Simmons, said: “It was a privilege to be invited to facilitate this very interactive and challenging workshop on the intent of the EASA regulations and the logic of the regulatory framework. It is a really exciting time for COMAC and I look forward to following its progress as it moves closer to entering the C919 into commercial service.”

rhetoric over what **European companies** will do if **Britain** does not secure a solid and clear Brexit deal when it exits the European Union on March 29 next year. That has now changed with **Airbus**, the second-largest global plane manufacturer making it clear that there is every likelihood it will make no further investment in U.K. suppliers and will close down its own U.K.-based manufacturing facilities. Currently, Airbus has over 4,000 suppliers based in the UK and directly employs over 14,000 people at 25 sites. One of the ‘jewels in the British crown’ is the airbus plant in Wales which is responsible for manufacturing wings for the A320, A330/340, A350 and A380 passenger planes. It is also working on developing the “next generation” of aircraft wings. bAirbus has made it clear in its Brexit “risk as-

essment” published last Thursday that if the U.K. left the single market and also the customs union without any agreed transition, this would likely “lead to severe disruption and interruption of UK production.” The company added that: “This scenario would force Airbus to reconsider its investments in the UK, and its long-term footprint in the country.” The customs union brings together the EU’s 28 members in a duty-free area, in which they pay the same rate of duty on non-EU goods and the U.K.’s prime minister, Theresa May, has ruled out staying in the customs union. According to Tom Williams, the chief operating officer of Airbus Commercial Aircraft, in “any scenario”, Brexit had “severe negative consequences” for the UK aerospace industry and Airbus in particular. Without a deal, he added,



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**OTHER NEWS**

Airbus believed the impact on its UK operations could be “significant”. “Put simply, a no-deal scenario directly threatens Airbus’ future in the UK.” In an interview with the British Broadcasting Corporation (BBC) Airbus’ UK boss, Katherine Bennett, stated that: “this is not project fear, this is dawning reality”.

The prospect of **Air France** appointing Philippe Capron as the troubled carrier’s new CEO has been met with hostility on both sides of the Atlantic. America’s **Delta Air Lines**, which holds an 8.8% stake in **Air France-KLM** and **Holland’s KLM** itself have both objected to the possibility of Capron taking the helm at Air France, the principal point of contention being his clear lack of experience in the airline industry. Capron is currently the CFO at French water utility Veolia and it was Reuters who became aware at the end of last week that Capron had been shortlisted for the position. Over the weekend, French Economy Minister Bruno Le Maire had confirmed that Capron was “one candidate among several others” for the post of Air France CEO. According to Los Echos, a number of past syndicate presidents of Air France and KLM have written an open letter to Anne-Marie Couderc, non-executive president of the Group, advising that there was potential for “grave consequences” if Capron were to be given the post. In addition, a number of KLM administrators had also written to Couderc, deploring the lack of information available surrounding the designation of a new CEO at Air France. Couderc confirmed that she anticipated a final decision would be made before mid-July.

**INDUSTRY PEOPLE**



Frederic Denise

• GA Telesis has appointed **Frederic Denise** as its SVP, Strategy and Corporate Development. Denise will collaborate with GA Telesis’s CEO, division presidents and staff executives on further developing the GA Telesis Ecosystem. In addition, Denise is responsible for the growth of global business strategy, partner and customer relationships, mergers and acquisitions, after-market solutions for OEMs, and participating in customer engagement opportunities. Previously, as Vice President and General Manager, Zodiac Cabin OEM, Denise directed oversight and management of

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**Transactional Support & Risk Management Seminar, London**

September 19, 2018 – Cophthorne Tara Hotel, Kensington, London, UK

**MRO Europe**

October 16 - 18, 2018 – Amsterdam

**Aircraft Economic Life Summit 2018**

November 20, 2018 – Gibson Hotel, Dublin, Ireland

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key locations which produce interiors for Airbus, Boeing and Bombardier.

• **Jean-Marc Domergue** has been named CFM International’s Vice President of Contracts, replacing **Sharyn Cones**. Cones, who had held the role since March 2015, has chosen to focus more time on raising her young family and will remain on the CFM Contracts team on a part-time basis. In his new role, Domergue is responsible for the negotiation and administration of CFM International contracts with aircraft manufacturers, as well as administering contracts with airline customers for both new engines and for MRO support through CFM Services.



Howard Allred

• West Star Aviation has announced the appointment of **Howard Allred** as Chief Financial Officer (CFO) of West Star Aviation. Allred has served in a senior financial leadership position for over 31 years, including that of CFO and director of finance for various companies including the then Adidas’ subsidiary Taylor Made, Nike and Specialized Bicycle. Howard will be located at West Star’s East Alton, (ALN) facility and will be responsible for the financial welfare of the company.



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**Commercial Jet Aircraft**

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	ORIX Aviation	V2522-A5	1604	2001	Q1/2019	Sale	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A319-100	ORIX Aviation	V2522-A5	1445	2001	Q4/2019	Sale	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A340-300	GA Telesis	CFM56-5C4	433	2001	Q1/2018	Sale	Kevin Milligan	kmilligan@gatelesis.com	+1 954-676-3111
A340-300	GA Telesis	CFM56-5C4	541	2003	Q1/2018	Sale	Kevin Milligan	kmilligan@gatelesis.com	+1 954-676-3111
B737-5H6	Bristol Associates	CFM56-3C1	26445	1992	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B737-800	ORIX Aviation	CFM56-7B24E	40317	2012	Q4/2019	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B24E	40287	2012	Q1/2019	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B26/3	38015	2011	Q1/2019	Sale / Lease	Cian Coakley	Cian.Coakley@orixaviation.hk	+852 9178 8055
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
B757-223 (7x)	Jetran	RB211-535E4B	various	91/92	Now	Lease	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
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

**Regional Jet / Turboprop Aircraft**

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
ATR72-212	C&L Aviation Group	PW127	434	1994	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-951-6259
ATR72-212	C&L Aviation Group	PW127	425	1994	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-951-6259
ATR72-212	C&L Aviation Group	PW127	420	1994	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-951-6259
ATR72-202 Cargo	C&L Aviation Group	PW124B	455	1995	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-951-6259
ATR72-500F	Castlelake	PW100-127F	0585	1999	Now	Sale	Michael Hackett	Michael.hackett@castlelake.com	+442071906120
CRJ-200LR	Regional One	CF34-3B1	7369	2000	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext. 164
CRJ-700	Regional One	CF34-8C5B1	10205	2005	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext. 164
CRJ-900LR	Regional One	CF34-8C5	15111	2007	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext. 164
DASH8-311	Regional One	PW123B	323	1992	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext. 164
DASH8-311	Regional One	PW123B	325	1992	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext. 164
Do328-100	Jetran	PW119B	3049	1996	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
Do328-110	Jetran	PW119B	3024	1994	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
Do328-110	Jetran	PW119B	3034	1995	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
ERJ-170LR	AerFin	CF34-8E	1700123		Now	Sale / Lease	Auvinash Narayen	Auvinash.Narayen@aerfin.com	+44 (0) 7766384581
ERJ-145	Regional One	AE3007A1P	145291	2000	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext. 164
ERJ-145	Regional One	AE3007A1P	145768	2003	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext. 164
SF340B	C&L Aviation Group	CT7-9B	194	1990	Now	Sale / Lease	Fred Dibble	fred.d@cla.aero	+1 207-217-6128
SF340B+	C&L Aviation Group	CT7-9B	425	1997	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-217-6259
SF340B+	C&L Aviation Group	CT7-5A	368	1995	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-217-6259
SF340A Cargo	C&L Aviation Group	CT7-5A	046	1986	Now	Sale	Fred Dibble	fred.d@cla.aero	+1 207-217-6128

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**Commerical Engines**

Multiple Types	Sale / Lease	Company	Contact	Email	Phone
Multiple Engines GE / CFM / RB211	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
<b>AE3007 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(3) AE3007A1P	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
(2) AE3007	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1 954 676 3111
<b>CF34 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3B1	Now - Lease				
CF34-3A	Now - Sale / Lease				
(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) CF34-8E5A1	Now - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CF34-10E5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CF34-10E6	Now - Lease				
(1) CF34-10E7	Now - Lease				
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
(1) CF34-10E6	Now - Lease	Willis Lease	Jennifer Merriam	jmerriam@willislease.com	+1 (415) 408 4742
(1) CF34-10E5A1	Now - Lease				
<b>CF6 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) CF6-80C2B1F	Now - Lease	TrueAero	Chris Luke	cluke@trueaero.com	+1 (772) 783 2300
(1) CF6-80C2B7F	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(5) CF6-80C2B1F	Now - Sale			aircrafttrading@gatelesis.com	
<b>CFM Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) CFM56-3C1	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610
(2) CFM56-5B	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(2) CFM56-7B26	Now - Sale				
(2) CFM56-7B26	Now - Sale / Lease	Magnetic MRO	Alexey Ivanov	Alexey.Ivanov@magneticmro.com	
(1) CFM56-7B-24	Now - Sale / Lease				
(1) CFM56-7B27/B1	Now - Sale / Lease				
(1) CFM56-7B26/E	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/3	Now - Lease				
(1) CFM56-7B27	Now - Lease				
(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272





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(1) CFM56-5B	Now - Sale / Lease	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 7930463293
(1) CFM56-5B	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@wernerero.com	+1-703-402-7430
(1) CFM56-7B	Now - Sale/Lease/Exch.				
(1) CFM56-5B3/P	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CFM56-7B26	Now - Sale / Lease				
(1) CFM56-7B26	Now - Lease	Willis Lease	Jennifer Merriam	jmerriam@willislease.com	+1 (415) 408 4742
(1) CFM56-7B24/3	Soon - Lease				
<b>CT7 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
CT7-9B	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
<b>JT8D and JT9D Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) JT8D-219	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1 954 676 3111
(1) JT8D-217C	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
<b>GENx Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) GENx	Soon - Lease	Willis Lease	Jennifer Merriam	jmerriam@willislease.com	+1 (415) 408 4742
<b>LEAP Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) LEAP-1A33	Soon - Lease	Willis Lease	Jennifer Merriam	jmerriam@willislease.com	+1 (415) 408 4742
(1) LEAP-1B28	Soon - Lease				
<b>PW Small Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) PW121	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) 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				
PW127M	Now - Lease				
PW150 GRB	Now - Lease				
PW127	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
(1) PW124B	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(2) PW127E/F			Remi Kryz	rkryz@logix.aero	+33.6.2079.1039
(4) PW127M					
(1) PW120 / PW121	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610
<b>PW4000 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) PW4056-1	Now - Sale/Lease/Exch.	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) PW4168A	Soon - Lease	Willis Lease	Jennifer Merriam	jmerriam@willislease.com	+1 (415) 408 4742

# THE AIRCRAFT AND ENGINE MARKETPLACE

## Commerical Engines (cont.)

(1) PW4056-3	Now - Sale/Lease	Jet Midwest	Kevin Lee	engines@jetmidwest.com	+1-310-652-0296
<b>RB211 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) RB211-535	Now - Sale / Lease	Jet Midwest	Dave Williams	dave.williams@jetmidwest.com	+1-817-791-4930
<b>Trent Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(3) Trent 800	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(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
<b>V2500 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
1) V2533-A5 w/QEC	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
(1) V2527-A5	Soon - Lease	Willis Lease	Jennifer Merriam	jmerriam@willislease.com	+1 (415) 408 4742
(1) V2533-A5	Soon - Lease				
(1) V2533-A5	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@wernerero.com	+1-703-402-7430

## Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) A320-200 Landing Gear	Now - Sale	TrueAero, LLC	Matt Parker	mparker@trueaero.com	+1 469-607-6110
(1) A330-300 Landing Gear	Now - Sale				
(2) A340-600 Landing Gear	Now - Sale				
(1) A340-300 Landing Gear	Now - Sale				
(2) GTC331-500	Now - Sale				
(2) GTC331-500B	Now - Sale/Lease/Exch.				
(1) APS 3200	Now - Sale/Lease/Exch.				
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GTC331-300A, GTC331-350C	Now - Sale/Lease/Exch.				
A320 Nose Landing Gear	Now - Sale/Lease/Exch.				
CFM56-3 LPT MODULE, REPAIRED	Now - Sale/Lease/Exch.				
CFM56-3 ENGINE STAND	Now - Lease				
(1) GTC331-150RJ, (2) GTC331-100M,	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) RE220RJ, (1) PW126 RGB, (1) PW901A					
(1) APS1000-C12, (1) APS1000-C3					
GTC331-9A (2), GTC331-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTC331-200, GTC331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
Neutral CFM56-5B & CFM56-7B QEC Kits	Now - Sale	CFM Materials	Michael Arellano	michael.arellano@cfmmaterials.com	+1 214-988-6676
(multiple) APS2300, (1) GTC331-350C	Now - Sale / Lease	AirFin	Nick Filce	Nick.Filce@aerfin.com	+44 7770 618 791
(1) GTC331-300A, (1) GTC331-9A					
GTC331-9A, GTC331-9B, GTC331-350C	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33 6.4782.4262
GTC331-500B, GTC331-200/250,			Rich Lewsley	rlsley@logix.aero	+44.79.0021.8657
APS3200, APS2300, GTC331-129H					
APU GTC331-500	Soon - Lease	Willis Lease	Jennifer Merriam	jmerriam@willislease.com	+1 (415) 408 4742
Engine stands now available	Now - Lease				
(2) GTC331-9B, (2) GTC331-9A	Now - Sale / Lease	GA Telesis	Dave Dicken	ddicken@gatelesis.com	+1 954-676-3111
ENGINE STANDS: Trent 800, PW4000 112"/V2500		National Aero Stands		support@stands.aero	+ 1 305-558-8973
/ CFM56/ PW2000 & Bootstrap kits					
GTC331-9A, GTC331-9B	Now - Sale / Lease	Werner Aero Services	Julien Levy	jlevy@Wernerero.com	+1 201-674-9999
GTC331-300A, 737-800 Winglets	Now - Sale / Lease				
737-700 & 737-800 Landing Gear	Now - Sale / Lease				
767-300 Winglets, LH-RH P/N 767-0010-5, -6, -7 & -8, SV- Now Sale		Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368