

Weekly Aviation Headline News

WORLD NEWS

New owners for Moldova's Chisinau International Airport

NR Investments Ltd, a Guernsey, Channel Islands property investment vehicle formed in 2007, has agreed to acquire 95% of the concession company of Chisinau International Airport, the largest and sole international airport in Moldova. Agreement was ratified between representatives of Avia Invest LLC ("Avia Invest") and NR Investments' sole beneficiary, Nat Rothschild. It is anticipated that in 2019, passenger numbers will surpass three million.

Air Astana transfers Moscow flights to Domodedovo

Air Astana, of Kazakhstan will transfer flight operations from Moscow's Sheremetyevo Airport to Domodedovo Airport (Terminal 1) effective 27th October 2019. The transfer of flights will be carried out without any interruption to the schedule. This change of airport is for services from both Nur-Sultan (11 weekly services in winter) and Almaty (14 weekly services in winter). The change of airport in Russia's capital is linked to the recent signing of a code-share agreement with S7 Airlines.

Air France KLM Martinair Cargo returns to Zambia

Air France KLM Martinair Cargo will reintroduce Lusaka (Zambia) to its full freighter schedule. Lusaka will be the thirteenth full freighter destination on AFKLM's existing schedule in Africa. After a three-year absence, Lusaka is returning to the AFKLM Cargo full freighter schedule with a once a week operation using a 747F aircraft. The first flight will be on 3 September.



Qantas will operate its research on its new 787-9s.

Photo: Qantas

Qantas' Project Sunrise

Airline hails ultra-long-haul research

Australia's flag carrier Qantas has announced three ultra-long-haul research flights to gather new data about inflight passenger and crew health and wellbeing.

The flights form part of planning for Project Sunrise – Qantas' goal to operate regular, non-stop commercial flights from the east coast of Australia (Brisbane, Sydney and Melbourne) to London and New York.

The three flights over three months will use new Boeing 787-9s and re-route their planned delivery flights. Instead of flying empty from Seattle to Australia, the aircraft will simulate

two Project Sunrise routes – London and New York to Sydney.

This will represent the world's first flight by a commercial airline direct from New York to Sydney and only the second time a commercial air-

line has flown direct from London to Sydney.

Each flight will have a maximum of 40 people, including crew, in order to minimise weight and give the necessary fuel range. Carbon emissions from the flights will be fully offset. The on-board research is being designed in partnership with Sydney University's Charles Perkins Centre and Monash University in conjunction with CRC for Alertness, Safety and Productivity.

People in the cabin – mostly Qantas employees – will be fitted with wearable technology devices and take part in specific experiences at varying stages of the approximately 19-hour flights. Scientists and medical experts from

"These flights are going to provide invaluable data."

Alan Joyce, Qantas Group CEO

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A vertical photograph of a rock climber silhouetted against a bright blue sky, positioned in a narrow crevice between two large, reddish-brown rock formations. The climber is suspended by a rope. At the bottom of the crevice, two other silhouetted figures are visible, one appearing to be managing the rope.

STRONG PARTNERSHIP

...continued from page 1

the Charles Perkins Centre will monitor sleep patterns, food and beverage consumption, lighting, physical movement and inflight entertainment to assess impact on health, wellbeing and body clock.

Monash University researchers will work with pilots to record crew melatonin levels before, during and after the flights. Pilots will wear an EEG (electroencephalogram) device that tracks brain wave patterns and monitors alertness. The aim is to establish data to assist in building the optimum work and rest pattern for pilots operating long haul services.

Qantas Group CEO Alan Joyce said the flights will give medical experts the chance to do real-time research that will translate into health and wellbeing benefits.

“Ultra-long-haul flying presents a lot of common-sense questions about the comfort and wellbeing of passengers and crew. These flights are going to provide invaluable data to help answer them.”

Airbus and Boeing have both pitched aircraft (A350 and 777X) to Qantas that are capable of operating Project Sunrise flights with a viable commercial payload. A final decision on Project Sunrise – which depends on aircraft economics, regulatory approvals and industrial agreements – is expected



CEO Alan Joyce (R) announcing Project Sunrise

Photo: Qantas

by the end of December 2019.

Mr Joyce added: “There’s plenty of enthusiasm for Sunrise, but it’s not a foregone conclusion. This is ultimately a business decision and the economics have to stack up.”

AIRCRAFT & ENGINE NEWS

Atkins to collaborate with AERALIS to develop new suite of training jet aircraft

Atkins, a member of the SNC-Lavalin Group, is collaborating with aircraft designer and manufacturer AERALIS to develop a new family of training jet aircraft using a patent-pending modular design. Together, the organizations will design two types of modular aircraft – the Basic Trainer and the Advanced Trainer – which will provide training, from cadet to front-line pilot, for the most advanced combat aircraft systems currently in development. Each aircraft will comprise a common core fuselage that will be fully adaptable using different wings and engines, depending on the level of training being undertaken. It is expected that the acquisition and maintenance of the family of training jets will cost 30% less than a conventional flight training system thanks to

NAC delivers one new ATR 42-600 and one new ATR 72-600 to Silver Airways

Nordic Aviation Capital (NAC) has delivered one new ATR 42-600, MSN 1219 and one new ATR 72-600, MSN 1548, to Silver Airways on lease. Silver Airways operates the largest number routes within Florida and between Florida and the Bahamas from its hubs in Fort Lauderdale, Orlando and Tampa, and also flies between Boston and Bar Harbor, Maine. Silver is a codeshare partner with United, JetBlue and Avianca, and has interline agreements with American, Delta, Air Canada, Alaska Airlines, All Nippon Airways, Bahamasair, Hahn Air, Azul and Emirates.



ATR 42-600 operated by Silver Airways

Photo: AirTeamImages

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AIRCRAFT & ENGINE NEWS

the modular design affording an 85% commonality in aircraft parts. Atkins, who have been at the forefront of aerospace design for 30 years, will be advising on the design of the jets, using a digital twin to explore different design concepts for the fuselage and its interchangeable components. Dave Clark, Aerospace & Defence Market Director at Atkins, said: "Our collaboration with AERALIS provides us with a great opportunity to help shape the development of cutting-edge aircraft design. Thanks to innovative tools such as a digital twin, we will be able to run virtual tests on the training jets before they are built to drive efficiencies and reduce the risks associated with aircraft design and production."

Qantas signs LOI with Vallair to lease first A321P2F cargo conversion aircraft

Aircraft and asset specialist Vallair, has signed a letter of intent (LOI) to lease the very first A321P2F (Passenger to Freighter) aircraft conversion to Qantas. This A321P2F MSN835 is intended to be operated by Qantas Freight on behalf of its customer – Australia Post. Qantas will be the first airline to operate the A321 as a freighter aircraft. To service the recently announced strategic alliance between Qantas and Australia Post, the A321P2F will add nearly 50% more capacity – or an additional nine tons – compared to the existing fleet. The first A321P2F leased from Vallair is due to be delivered in 2020.

Embraer advances in development of demonstrator aircraft with electric propulsion technology



Electric demonstrator

Photo: Embraer

Embraer has unveiled images of the demonstrator aircraft with 100% electric propulsion technology, which is currently under development. The prototype has a special paint scheme and is ready to receive systems and components. The aircraft's electric motor and controller are being manufactured by WEG at the company's headquarters in Jaraguá do Sul, Santa Catarina, Brazil, as part of the scientific and technological cooperation agreement for joint development of electrification technologies. Advances on the project include the partnership with Parker Aerospace who will be responsible to supply the cooling system for the demonstrator aircraft. Over the forthcoming months, the companies' technical teams will continue laboratory testing of the systems, preparing for their integration in the demonstrator aircraft for testing under real-life operating conditions. The first flight of the prototype is scheduled for 2020.

VoloCity to become first commercial Volocopter aircraft



VoloCity takes off into the night

Photo: © Volocopter

Volocopter, a pioneer in Urban Air Mobility, has unveiled the design for its newest air taxi model: VoloCity. This will be the fourth-generation electrical take-off and landing aircraft (eVTOL), by the German Urban Air Mobility developer. The VoloCity has been designed to meet the safety standards specified by the European Aviation Safety Agency (SC-VTOL category enhanced) and incorporates user feedback as well as test data from all previous Volocopter generations. The VoloCity is designed to serve as an on-demand inner-city air taxi, with a calculated range of 35 km and airspeed of 110 km/h. The learnings of over 1,000 test flights on previous Volocopter generations and market research with several hundred potential customers have informed the design and technical specifications of the VoloCity. The result is an aircraft with visible improvements that still stays true to the well-known Volocopter technical and safety features: 18 rotors, redundancy in all critical systems, a low noise signature and a rigid commitment to the inner-city mission. Features include: Payload to accommodate two people including hand luggage, increased flight efficiency through aerodynamically shaped rotor beams, a newly introduced

stabilizer to create increased stability in flight and additional lift, and an iconic design with fluid lines is a seamless continuation of architectural language of the future VoloPort ,all the while combining unprecedented technological achievements and user comfort.

Quantum signs for 26 electric airplanes from Bye Aerospace

Bye Aerospace reports that Quantum Air has signed a purchase deposit agreement for 22 of its all-electric four-seat eFlyer 4s and two two-seat eFlyer 2 airplanes. The company also signed a comprehensive agreement that includes two future advanced aircraft under development from Bye Aerospace. Additionally, Bye Aerospace will join Quantum’s board of advisers. “The future has arrived,” mentioned Scott Akina, Quantum’s Vice President and Chief Pilot. “By electrifying aviation, Quantum will ignite urban and regional mobility. Electric aircraft are safer, quieter, and more efficient than legacy aircraft, and they are more fun, more comfortable, and do not pollute.” Bye Aerospace is developing the FAA FAR 23-certified family of eFlyer general aviation aircraft, starting with the eFlyer 2, for the flight training mission. All of Bye Aerospace’s current and future families of aircraft, including the eFlyer 2 and the eFlyer 4, feature exemplary engineering, research, and electric aircraft solutions producing no CO2, and are designed to answer compelling market needs. These include significantly lower operating costs, zero emissions, and decreased noise.



eFlyer-2 Prototype Taxi

Photo: © Bye Aerospace

L.J. Aviation grows fleet with two Bombardier Challenger 350 business jets



Challenger 350

Photo: © Bombardier

Bombardier reports that L.J. Aviation, an aircraft flight management and charter aircraft company, has expanded its fleet with its latest addition of two industry-leading Challenger 350 aircraft. The high-performing Challenger 350 business jets join the company’s existing fleet of 40 aircraft and are available for charter in the Mid-Atlantic States. Along with the two new Challenger 350 business jets, L.J. Aviation currently manages and operates five Challenger 300 series business jets, one Challenger 604 aircraft and a Global 5000 aircraft. In the last decade, the Challenger 300 aircraft series has accounted for more deliveries than any other business jet platform in the industry. The Challenger 350 aircraft builds upon this remarkable legacy of leadership and continues to take centre stage in the super-mid-size segment.



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MRO & PRODUCTION NEWS

AAF Spares relocates to new headquarters in Miami

AAF Spares, the joint venture business between Avtrade and AFI/KLM E&M, has relocated to a new building. Moving from a 15,000 ft² building to a new state-of-the-art 50,000 ft² warehousing facility will provide access to an inventory valued at US\$760 million and will further improve and expand support to the North and South American markets. The new facility in Doral, only eight miles from Miami International Airport, will allow a significant increase of inventory to be stocked locally. This will optimize the speed of delivery for AOG and urgent requirements, and lead to significant cost reductions for customers. With two strong parent companies already well established in the spares trading and MRO markets, AAF Spares will continue to strengthen and grow, acquiring more aircraft for teardown and increasing stock to better suit the demands of the world's airlines. The increase of locally held components across a wide range of aircraft types, including Boeing, Airbus and Embraer, will assist in all aspects of the customer supply chain and will complement services such as repair management, logistic solutions, customer surplus management and other new support initiatives currently in development.

Oxygen ATA 35 capabilities expansion

Aero Controls is proud to announce the expansion of capabilities in ATA Chapter 35 to include the Flight Crew Mask Stowage Boxes and associated Flight Crew Masks-Regulators. Aero Controls is looking forward to further growth as it directs our attention to building additional capabilities in ATA Chapters 25, 26, and 35. Founded in 1984, Aero Controls is a privately held, minority-owned FAA/EASA-approved repair station #IU6R626N. Aero Controls headquarters is located 10 miles away from the Seattle-Tacoma International Airport and the company has three facilities in the greater Seattle area.

thyssenkrupp Materials Services invests over €70 million in European sites



thyssenkrupp Materials Services to invest over €70 million in European sites

thyssenkrupp Materials Services, the distribution and service provider of the thyssenkrupp Group, is investing around €70 million in the modernization and expansion of its European warehousing and logistics network. A state-of-the-art logistics center and new warehouses are to be built in Germany, Poland and Hungary. The investments are an important part of thyssenkrupp Materials Services' strategy. Under its "Materials as a Service" approach, the Western world's biggest materials distributor is focusing on expanding its portfolio of services supplementing its core business. A state-of-the-art logistics center with around 36,000 m² of storage space is to be built in Rotenburg/Wümme (Lower Saxony). The company is investing around €60 million in the site, which will store up to 20,000 tons of materials to guarantee maximum material availability. The groundbreaking is planned for the end of the year. Serving customers in the north of Germany, the new logistics and processing center is scheduled to go into operation in 2021. thyssenkrupp Materials Services is also investing a total of €11 million in the expansion of its sites in Nowe Marzy, Poland and the Hungarian capital Budapest. Two new modern warehouses are to start operation at the end of September. With around 13,500 m² of storage space, the new warehouse in Nowe Marzy is an addition to the hub in north Poland, which was built in 2017. The new facility in Budapest will cover a space of around 6,500 m². (€1.00 = US\$1.11 at time of publication.)

Honeywell opens first Aviation Service Center in Latin America

Honeywell has opened its first aviation service center in Latin America in São José dos Campos, a city located 94 km from the state capital. On site, the company will offer services such as aircraft parts replacement, repair and overhaul. São José dos Campos was chosen for its history in the aviation market and the proximity of Embraer and the city of São Paulo, besides other urban centers in the southeast region where the main airlines in the country are located. The Service and Maintenance Center is in a 500 m² area in the Technological Park of São José dos Campos. Aerospace is one of Honeywell's four business units and has been responsible for aviation innovations such as the first autopilot flight control and the first commercial weather radar system. In total, the company's portfolio has 84 product lines that focus on creating more economical, practical and environmentally friendly airplanes.



Ribbon cutting for ©Honeywell's first Aviation Service Center in Latin America

Photo: Honeywell

Aerospace is one of Honeywell's four business units and has been responsible for aviation innovations such as the first autopilot flight control and the first commercial weather radar system. In total, the company's portfolio has 84 product lines that focus on creating more economical, practical and environmentally friendly airplanes.

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Asiana Airlines signs component contract with Lufthansa Technik

Asiana Airlines has signed a comprehensive component support contract with Lufthansa Technik. Under the terms of the new agreement, Lufthansa Technik will provide Total Component Support (TCS®) for the entire Asiana Airlines fleet of Airbus A320-family aircraft, including the A321neo version joining the fleet in the future. Started in July 2019, the contract has a duration of ten years and covers a maximum of 79 aircraft. The contract holds provisions for being converted from an integrated Total Component Support (TCS®) agreement, including pooling to a Total Component Maintenance (TCM), closed-loop component repair and overhaul support in the mid-term. Lufthansa Technik and Asiana Airlines have been working together for more than 25 years. Lufthansa Technik also provides component maintenance for the Asiana Boeing 777-200ER fleet, an integrated Total Component Support for the airline’s Airbus A320, A330 and A350 fleets, as well as V2500 and CF6 engine support, along with heavy maintenance for the carrier’s Airbus A380 fleet.



Photo: Asiana Airlines A321neo

Comlux achieves IS-BAO Stage 3 aircraft management operations



Photo: ©Comlux Malta

Comlux Malta has been awarded the Certificate of Registration to the International Standard for Business Aircraft Operations (IS-BAO) Stage 3 by the International Business Aviation Council (IBAC). The approval confirms that the Safety Management System (SMS) is fully integrated into Comlux Aviation’s aircraft management operations and that the company maintains the highest standards of safety and security in the aviation industry. Comlux is one of the leaders in Business Aviation, Transaction, and Completion services.

328 Support Services to form new Leipzig-based OEM – DRA

328 Support Services, the type certificate holder of the Dornier 328 aircraft, announced today the formation of a new aircraft original equipment manufacturer, DRA GmbH, founded on the proud heritage of Dornier and Germany’s reputation for engineering design, quality and innovation. Representatives of 328SSG, a wholly owned subsidiary of Sierra Nevada Corporation and the German Federal & State of Saxony ministries, signed a Memorandum of Understanding today, to establish DRA GmbH’s final assembly line for the D328NEU® aircraft, a derivative of the Dornier 328, at Leipzig/Halle Airport, in the State of Saxony. The project anticipates the creation of up to 250 new jobs at the production facilities in Leipzig, and an additional 100-plus jobs at 328SSG’s HQ in Oberpfaffenhofen, near Munich. The aim of the upgraded D328NEU is to offer a suitable replacement solution for ageing ‘in service’ aircraft in the aviation market, as well as supporting the growing global market demand of new-route development.



328 Support Services signs new aircraft MoU

Photo: © 328 Support Services

FINANCIAL NEWS

BOC Aviation reports first-half 2019 performance

BOC Aviation has released its unaudited results for the six months ended June 30, 2019. The company achieved a major milestone in June 2019 as its cumulative net profit after tax (NPAT) exceeded US\$4 billion since inception. BOC Aviation reported NPAT of US\$321 million in the first half of 2019, an increase of 8% compared with the same period last year. Revenue rose 13% to US\$930 million from US\$825 million, and its fleet net book value grew 6% to US\$15.9 billion from December 31, 2018, as the company continued to take delivery of modern, fuel-efficient aircraft. The 8% rise in the interim dividend declared underpins its continued focus on delivering good long-term returns for its shareholders.

Contrail achieves record operating results for fiscal year 2019

Contrail Aviation Support, a worldwide commercial aircraft trading, leasing and parts solutions provider, was recognized as the primary driver of its parent company's commercial aircraft, engines and parts business segment revenue of US\$94 million in fiscal year 2019. According to its recent 10K filing, Air T, Commercial Aircraft, Engines and Parts Segment, contributed US\$94 million of revenues in its fiscal year ended March 31, 2019, compared to US\$29.5 million in its prior fiscal year, an increase of 218%. Overall, fiscal-year 2019 revenues for Air T were US\$250 million, a 28% increase over its prior fiscal year. The primary driver of the Segment's increase in revenues was Contrails record level of sales, driven in part by the sale of nine engines totaling US\$41.0 million.

Air Astana posts financial results for first half 2019

Air Astana, the flag carrier of Kazakhstan, achieved an improved financial performance during the first half of 2019. Whilst revenue was marginally down, the Company reported an operating profit of US\$6.8 million, with EBITDAR up 49% at US\$50.0 million, despite a challenging global economic backdrop. The Company continued to demonstrate its strong cost control, improving CASK by 7%. The airline carried a total of 2.1 million passengers during the first half of the year, which was marginally higher than in 2018. Domestic traffic grew strongly by 9% for the six-month period, which included a notable increase of almost 40% in June compared to the same month 2018. This trend is expected to accelerate as a result of the strong traffic contributions from FlyArystan, the recently launched low-cost offshoot of Air Astana. International

Struggling Norwegian Air sells stake in NOFI to boost cash holdings



Norwegian

Photo: AirTeamImages

The loss-making carrier Norwegian Air has agreed to sell its 17.5% stake in Norwegian Finans Holding (NOFI) for 2.2 billion kroner, a move which saw its share price jump 5.8%. The stake is being sold to Cidron Xingu Limited, which is indirectly controlled by Nordic Capital Fund IX and Sampo, a leading Finnish financial services group. The deal includes Bank Norwe-

gian, a credit card company set up and owned by Norwegian Air. The Scandinavian carrier has struggled to turn a profit for some time owing predominantly to overcapacity and also the grounding of its 18 Boeing 737 MAX jets. The sale will see its cash holdings increase to 934 million kroner and provide an accounting gain of 196 million kroner. "The sale of the NOFI shares is part of Norwegian's strategy to strengthen our core airline operations and focus on the transition from growth to profitability," Norwegian Air's acting Chief Executive Geir Karlsen said in a statement. Though the sale may help the airline refinance a €250 million (US\$305.25) bond maturing in December, it is possible Norwegian Air may need to raise more cash from shareholders at a later date. (US\$1.00 = 8.97 kroner (NOK).)

MILITARY AND DEFENCE

Portugal signs contract for five multi-mission airlift KC-390s from Embraer

The Portuguese Government and Embraer today (Thursday) signed a contract for the acquisition of five multi-mission Embraer KC-390 airlifters. Additionally, services and support and a flight simulator are included in the contract as part of the process to modernize Portuguese Air Force capabilities to support national Armed Forces operations and increase



KC-390 signing ceremony in Portugal

Photo: © Embraer

readiness in missions of public interest. Deliveries are scheduled to start in 2023. The KC-390 is designed to set new standards for efficiency and productivity in its category while presenting the lowest life-cycle cost of the market. The aircraft fully meets the requirements of the Portuguese Air Force, being able to perform different types of military and civilian missions including, humanitarian support, medical evacuation, search and rescue, firefighting, superior cargo and troop transport, aerial delivery, and aerial refueling capabilities. Portugal is the largest international partner of the KC-390 program and its participation in the development and production of the aircraft is recognized as having had a positive economic impact in the generation of jobs, new investments, increased exports and technological advances. The KC-390 received its Civil Certification from the Brazilian National Aviation Agency (ANAC) in 2018 and is now in full serial production. Entry into service with the Brazilian Air Force (FAB) is expected to occur in the third quarter of 2019, with follow-on deliveries to occur throughout the year.

FINANCIAL NEWS

transit traffic declined by 5% due to the temporary suspension of services to India and a reduction in connecting traffic from Turkey and Ukraine, compensated by growth from China to destinations in the CIS. Air Astana's fleet renewal program is rapidly moving ahead, with one Airbus A320neo and two Embraer 190-E2 airliners having been added to the fleet during the first half of 2019. Air Astana's fleet currently comprises of 36 Boeing 767/757, Airbus A320/A321 and Embraer E190/E190-E2 aircraft, with an average age of 7.3 years.

Qantas Group achieves underlying profit before tax of AU\$1.30 billion

The Qantas Group has achieved an Underlying Profit Before Tax of AU\$1.30 billion and a Statutory Profit Before tax of AU\$1.27 billion for the Financial Year 2019. While the Underlying result was 17% lower compared with the Group's record profit in FY18, it was impacted by an AU\$614 million increase in fuel costs from higher oil prices and a further AU\$154 million of the foreign exchange impacts on non-fuel net expenditure. The result was also impacted by an AU\$92 million non-cash expense on provisions for items including employee leave entitlements – part of an accounting requirement that means this charge increases when interest rates fall. All key parts of the Group's portfolio remain strongly profitable, generating significant cashflow that allows for ongoing investment as well as shareholder returns. (US\$1.00 = AU\$1.48 at time of publication.)

Fly Leasing reports second-quarter 2019 financial results

Fly Leasing Limited (FLY), a global leader in aircraft leasing, has released its financial results for the second quarter of 2019. FLY is reporting net income of US\$54.1 million for the second quarter of 2019, this compares to net income of \$24.3 million for the same period in 2018. Adjusted Net Income was US\$61.9 million for the second quarter of 2019, compared to US\$25.2 million for the same period in the previous year. For the six months ended June 30, 2019, Adjusted Net Income was US\$109.0, compared to US\$37.6 million for the same period last year. At June 30, 2019, FLY had 98 aircraft and seven CFM engines on lease to 45 airlines in 25 countries. Of the 98 aircraft, 12 were classified as held for sale. The average age of the portfolio, weighted by net book value of each aircraft and engine, was 7.4 years. The average remaining lease term was 5.3 years, also weighted by net book value. FLY's portfolio, excluding aircraft held for sale, was generating annualized rental revenue of approximately US\$354.2 million.

INFORMATION TECHNOLOGY



Photo: © Swiss-AS

USA Jet has gone live with AMOS and now uses the MRO software to support all maintenance processes. AMOS' complete functional depth and scope was one of the prominent reasons USA Jet chose to partner with AMOS. This functional supremacy of AMOS stems from an ongoing investment from **Swiss-AS** to further develop the software and its close cooperation with the AMOS community. By exploiting the potential of a fully integrated and functionally rich system, USA Jet expects to increase its efficiency and the quality of its in-house planning processes and, at the same time, will decrease maintenance costs. The project was supported by a strong IT department performing the data transfer in-house. As in every software implementation project, the data transfer is one of the key success factors for a timely launch.

Brazilian airline **Ocean Air Linhas Aéreas S/A**, headquartered in São Paulo and formerly doing business as **Avianca Brasil**, will formally leave Star Alliance with effect from September 1, 2019. Ocean Air's withdrawal follows several months of bankruptcy protection and the withdrawal of its Air Operator Certificate (AOC) by Brazilian regulator ANAC. The Star Alliance network has continuously maintained a significant and long-time presence in the Brazilian market since its founding in 1997. As of September 1, 2019, the Alliance will number 27 member airlines.



Avianca Brasil

Photo: © AirTeamImages

OTHER NEWS

NR Investments, a Guernsey, Channel Islands property investment vehicle formed in 2007, has agreed to acquire 95% of the concession company of **Chisinau International Airport**, the largest and sole international airport in Moldova. The agreement was ratified between representatives of Avia Invest (Avia Invest) and NR Investments' sole beneficiary, Nat Rothschild, on August, 19. The operations and management of Chisinau International Airport transferred to a concessionaire – Avia Invest – in November, 2013, under a private-public partnership model, whereupon a three-stage investment program was determined

over six years. During that time Avia Invest has overseen a full modernization of the airport, including a smart new passenger terminal, runway and apron modernization, multi-level car park and other enhancements to airport infrastructure. Avia Invest has also successfully marketed the airport, which sits at the crossroads of passenger flows between Asia and Europe, attracting new full-service and low-cost carriers. Sixteen airlines currently include the airport in their networks, serving 38-strong destinations, including London, Dublin, Paris, Istanbul and Moscow. Chisinau International Airport handled 2.8 million passengers in 2018, a 14.8% cumulative annual increase since 2010. In 2019 it is expected to surpass three million passengers.

OTHER NEWS

Aeroflot has reported operating results for **Aeroflot Group** and Aeroflot for the first seven months of 2019. Between January 1 and July 31, 2019, Aeroflot Group carried 34.6 million passengers, up 12.2% year-on-year. Aeroflot airline also carried 21.5 million passengers, with a year-on-year increase of 8.3%. Aeroflot Group and Company's traffic increased by 12.8% and 7.5% year-on-year, respectively. Capacity rose by 13.9% year-on-year for the Group and by 8.8% year-on-year for the Company. The passenger load factor decreased by 0.8 points year-on-year to 81.1% for Aeroflot Group and decreased by 0.9 points to 78.8% for Aeroflot airline.

Joint venture partners **Air New Zealand** and **Singapore Airlines** will boost capacity between Auckland and Singapore. Air New Zealand will increase its frequency from 12 to 14 services per week on its Boeing 787 Dreamliner aircraft from March 2020 to October 2020. Singapore Airlines will also deploy its larger A380 aircraft to meet strong demand over the Easter 2020 peak, replacing its scheduled Boeing 777-300ER aircraft. This will bring the total number of services the two alliance partners operate to 21 per week. Air New Zealand Chief Strategy Networks and Alliances Officer Nick Judd says the changes come in response to growing demand from customers at both ends of the route. The announcement follows recent capacity increases on the Christchurch – Singapore and Wellington – Singapore routes announced in the last six months, which are also part of the joint venture agreement between the two airlines.

Frankfurt Airport (FRA) welcomed more than 6.9 million passengers in the reporting month, up 0.8% compared to July last year. For the first seven months of the year, passenger traffic at FRA rose by 2.6%. Aircraft movements in July 2019 climbed by 1.0% to 47,125 takeoffs and landings, while accumulated maximum takeoff weights (MTOWs) expanded by 2.4% to over 2.9 million metric tons. FRA's cargo throughput (airfreight + airmail) also grew by 1.5% to 178,652 metric tons. Across the Group, airports in **Fraport's** international portfolio reported differing development in passenger traffic. **Slovenia's Ljubljana Airport** (LJU) achieved a 4.2% jump in traffic to 207,292 passengers. Fraport's two Brazilian airports in **Fortaleza** (FOR) and **Porto Alegre** (POA) together received about 1.3 million passengers – a decline of 9.9% year-on-year. This decline, among other things, can be attributed to the bankruptcy of **Avianca Brasil** – whereby other carriers temporarily were unable to fully absorb the traffic volume. With nearly 2.1 million passengers, Peru's **Lima Airport** (LIM) recorded a further 4.9% rise in traffic. The 14 **Greek airports** together welcomed some 5.3 million passengers in July 2019, de-



Photo: British Airways

British Airways is one step closer to powering its future fleet with sustainable jet fuel made from rubbish. Plans have been submitted to develop Europe's first household and commercial solid-waste to sustainable-fuels plant. **Altalto Immingham**, a subsidiary of renewable fuels company **Velocys** and a collaborator with British Airways and **Shell**, has submitted a planning application to develop the site in Immingham, North East Lincolnshire, close to the Humber Estuary. The proposed state-of-the-art plant would take over half-a-million tons of non-recyclable everyday household and commercial solid waste each year, destined for landfills or incineration. This waste includes meal packaging, nappies and takeaway coffee cups, which are converted into cleaner-burning, sustainable aviation fuel. The technology, built by Velocys, will reduce greenhouse gas emissions by 70%. For every ton of conventional fossil fuel replaced by sustainable jet fuel is the equivalent of taking up to 40,000 cars off the road each year. British Airways intends to purchase jet fuel produced at the plant for use in its aircraft. This is an important step in the reduction of the airline's carbon emissions towards the industry targets of carbon neutral growth from 2020 and a 50% reduction by 2050 from 2005 levels. The fuel will also improve air quality, with up to 90% reduction in soot from aircraft engine exhausts and a reduction of almost 100% in sulphur oxides. The technology will also offer a lower emissions route to process U.K. waste, compared to landfills or incineration.

Allegiant Travel Company has announced plans to establish a two-aircraft base at Lehigh Valley International Airport (ABE) in Lehigh County, Pennsylvania. Allegiant's growth plans in the state include creating at least 66 new, high-wage jobs. The Las Vegas-based company is investing US\$50 million to establish its new base of operations, which will house two Airbus aircraft. The company, which focuses on linking travelers



Allegiant Air

Photo: © AirTeamImages

in small-to-medium-sized cities to world-class leisure destinations, plans to begin its base operations at Lehigh Valley International Airport on February 12, 2020. Lehigh Valley will become the airline's 18th aircraft base. Allegiant, which employs more than 4,300 team members across the U.S., plans to immediately begin hiring pilots, flight attendants, mechanics and ground personnel to support the operations.

OTHER NEWS

creasing 0.8% year-on-year. This light downturn resulted from the consolidation of flight offers by some airlines serving the Greek market.

On the Bulgarian Black Sea coast, the Twin Star airports of **Varna (VAR)** and **Burgas (BOJ)** together served about 1.2 million passengers. The resulting 13.2% drop in passengers is a continuation of the consolidation trend seen in previous months, following the rapid passenger growth in figures at the Twin Star airports in recent years. In contrast, **Antalya Airport (AYT)** on the Turkish Riviera reported almost 5.4 million passengers, again recording strong growth of 11.7% in July 2019. Registering some 2.2 million passengers, Russia's St. **Petersburg Airport (LED)** also achieved growth of 4.9%. Traffic at China's **Xian Airport (XIY)** reached almost 4.3 million passengers, a 7.4% gain compared to the same month last year.

Jet Parts Engineering and **TurbineAero** joined forces in August at a Cost Savings Symposium in Thailand. The event was held in Thailand with major South-East Asia based airline representatives and customers in attendance. TurbineAero and Jet Parts Engineering discussed strategy around eliminating extraneous costs without sacrificing quality and productivity within the aviation industry. "I am very pleased with the great attendance to our cost-savings symposium. All the participating parties, ranging from airline representatives to business partners, parts distributors and colleagues in the aerospace industry, showed to be really interested in our value proposition and our approach towards saving cost of ownership of APU operation," said Peter Gille, Vice President and General Manager of TurbineAero-Asia. John Benschmidt, Vice President of Sales and Marketing for Jet Parts Engineering commented, "These symposiums are great opportunities for our customers to learn more about what options they have to save costs while maintaining safety and reliability, along with giving more control of their supply chain. Airlines networking with each other and talking about best practices with their PMA and DER programs is also a benefit that the symposium brings."

Southwest Airlines has been forced to drop 20 non-stop routes from its schedule, beginning January 2020. The American carrier has identified 20 "weaker-than-expected", non-stop services and will use some of those aircraft to provide additional capacity on new routes, particularly to Hawaii, a market it has recently heavily targeted. Currently 9% of Southwest's fleet is made up of 737 MAX aircraft, the 34 planes having remained idle since being parked up at Victorville, California. These planes comprise part of an order for 260 of the aircraft, delivery of which also stopped at the same time owing to the worldwide grounding of



Photo: © Ryanair

Ryanair has reported two new Southend routes, to Bucharest and Vilnius, commencing in November 2019. The new route to Bucharest will operate with a five-times-weekly service, while the new Vilnius route will operate three-times weekly. Ryanair continues its Central and Eastern European expansion with the launch of these new routes to Romania and Lithuania, following yesterday's announcement of its entry to the Georgian market.



Photo: © Air New Zealand

Air New Zealand and **Cathay Pacific** have welcomed the decision by the Minister of Transport Phil Twyford to re-authorize their joint venture alliance for a further five years until October 31, 2024. Air New Zealand Chief Strategy, Networks and Alliances Officer Nick Judd has advised that the Cathay Pacific partnership plays a significant role in the airline's Pacific Rim network strategy, while Cathay Pacific Director Commercial, Lavinia Lau, says New Zealand is an important part of its network and a popular destination for customers. During peak months, the alliance partners jointly operate a total of 25 return services per week, including four services between Christchurch and Hong Kong.

the jet after two recent fatal crashes. Southwest is one of the largest 737 MAX operators and has therefore been harder hit by the jet's grounding. According to OAG, a leading provider of digital flight information, Southwest has dropped three million seats from its regular schedule since the 737 MAX was grounded, which equates to approximately 180 flights per day.

Irish low-cost carrier **Ryanair** has successfully staved off an impending strike after the Irish High Court granted an injunction Wednesday, August 21, preventing the company's Dublin-based pilots from taking action over pay and conditions.

However, shortly afterwards, a London, U.K. court rejected a similar application from Ryanair to stop British pilots from striking. The situation in the U.K. was not as pressing as it was in Ireland as the British Airline Pilots Association, **BALPA**, has advised Ryanair that any impending strike can be postponed if the company can provide a realistic framework for negotiations. Irish pilots had planned to strike on August 22 and 23; the carrier has confirmed that all flights for those days are as scheduled. In Portugal, a five-day strike is currently underway, though there appears to be little or no disruption to flights at Faro, Lisbon and Porto airports, with Ryanair confirming that more staff than was necessary had shown up for work.

OTHER NEWS

SNPVAC, Portugal's cabin crew trade union, has already met with the country's minister for infrastructure to discuss the impending closure of the Ryanair base in Faro. Cabin crew unions in both Belgium and Spain told cabin crew not to respond to requests from Ryanair to provide coverage for flights affected by Portuguese cabin crew action. Additionally, seven hours of mediated negotiations saw Spanish unions representing cabin crew fail to reach an agreement with Ryanair and plans for a ten-day strike next month remain in place.

INDUSTRY PEOPLE



Huw Leonard

- TBD, renowned for ground support equipment and specialist access solutions for the global aviation industry, has appointed **Huw Leonard** to the senior position of Operations Manager (Director designate). Leonard has

joined the Company to apply his technical expertise within the aviation manufacturing environment and he will spearhead continuous improvement strategies within the fast-growing U.K. business to meet rising global demand. His career has seen him serve top-tier automotive, aerospace, rail and telecommunications companies as well as military and defense solutions. He has strong experience running plants with ISO9001, 14001 & 18001 accreditations. Most recently he was U.K. MD / Plant Manager for EnerSys Ltd, a U.S. company with a manufacturing base in Newport, South Wales, supplying high-end batteries to a wide-ranging global customer base.

- The Av8 Group has announced that it is expanding its sales team with the addition of **Jeff Favati** as the new Sales Manager. Favati will be responsible for sales and business development across all segments of Av8's markets. Favati has over 25 years of experience in the aviation industry. His background includes a variety of expertise in MRO and part sales, operations and component repairs management, along with airline operations. "We are excited to be expanding our sales team with Jeff. His many years of aviation experience and expertise will assist with our continued growth," said **Yoel Arnoni**, CEO, The Av8 Group. Located in Houston, Texas, The Av8 Group, an FAA-

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Effective Risk Management in Aircraft Leasing & Aviation Finance

September 18, 2019 – Holiday Inn Kensington High Street, London

Aircraft Economic Life Summit

November 18, 2019 – Gibson Hotel, Dublin, Ireland

Click here for more aviation events

and EASA-Authorized Repair Station and FAA PMA authority, combines three distinct subsidiary units: Av8 MRO, Av8 PMA and Av8 AOG.

- Werner Aero Services has released that **Tony Zana** has joined its European team to expand its business in Europe, Middle East and Africa. Tony joins Werner Aero Services with over four years spent in the MRO business. "Tony is a great addition to the EMEA team and as we continue to focus on developing this region, we are looking for additional qualified business development managers to help drive our growth," said **Mike Cazaz**, CEO of Werner Aero Services.



Doug Miller

- Millennium International Avionics has appointed **Doug Miller** as a new Senior Software Engineer. In this position, Miller will be responsible for product innovation within R&D, as well as expanding the engineering team and focusing on market growth initiatives. Miller comes to Millennium International from IntelliFarms, where he was a Senior Engineer. He brings over 15 years of experience in the technology industry, launching several successful products.



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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	DVB Bank	CFM56-5B6	3346	2007	Q1/2020	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A320-200	ORIX Aviation	V2527-A5	3807	2009	Q1/2020	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	ORIX Aviation	CFM56-5B4/3	5213	2012	Q2/2020	Lease	Ross O'Kane	Ross.O'Kane@orix.ie	+353 87 702 8669
A320-200	TrueAero Asset Management	V2527E-A5	5794		Nov 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5531		Oct 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5296		Aug 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5089		Jun 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5050		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-232	DVB Bank	V2527-A5	2156	2005	Q1/2020	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A330-200	DVB Bank	CF6-80E	814	2007	Q2/2020	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A330-200	GA Telesis	CF6-80E1A4	507	2002	Now	Sale	Kevin Ford	aircraft@gatelesis.com	+1-954-676-3111
A330-200	GA Telesis	CF6-80E1A4	510	2002	Now	Sale	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A330-200	TrueAero Asset Management	CF6-80E1A4/B	882		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-200	TrueAero Asset Management	CF6-80E1A4/B	901		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-200	TrueAero Asset Management	CF6-80E1A4/B	932		May 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-300	DVB Bank	Trent 772B-60	1485	2014	Q1/2020	Sale / Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A330-300	DVB Bank	Trent 772B-60	1146	2010	soon	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
B737-700	Kellstrom Aerospace	CFM56-7B26	28210	1998	Now	Sale	Michael Garcia	info@kellstromaerospace.com	+1 (847) 233-5800
B737-5H6	Bristol Associates	CFM56-3C1	26445	1992	Now	Sale	Ed McNair / Pete Seidnitz	bristol@bristolassociates.com	+1 202-682-4000
B737-800	DVB Bank	CFM56-7B27	28178	1999	Q4/2019	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
B737-800	ORIX Aviation	CFM56-7B24E	40317	2012	Q4/2019	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B24	33641	2007	Q2/2020	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	GA Telesis	CFM56-7B	33813	2004	Now	Lease	Priscilla Ang	aircraft@gatelesis.com	+1-954-676-3111
B737-800	GA Telesis	CFM56-7B	33814	2004	Now	Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
B737-800	Willis Lease				soon	Sale / Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
B747-400	Bristol Associates		28812	1999	Now	Sale	Ed McNair / Pete Seidnitz	bristol@bristolassociates.com	+1 202-682-4000
B747-400	Bristol Associates		30023	2000	Now	Sale	Ed McNair / Pete Seidnitz	bristol@bristolassociates.com	+1 202-682-4000
B757-223 (7x)	Jetran	RB211-535E4B	various	91/92	Now	Lease	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
B777-300ER	DVB Bank	GE90-115b	35161	2008	Q3/2019	Sale / Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
(2) B787-800					soon	Sale / Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200LR	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10205	2005	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-(305) 759-0670 Ext.164
D0328 Jet	Regional One	PW306B	3185	2001	Jul 2019	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-(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	1700155		Now	Sale / Lease	Auvinash Narayan	Auvinash.Narayan@aerfin.com	+44 (0) 7766384581
ERJ-170LR	AerFin	CF34-8E	1700124		Now	Sale / Lease	Auvinash Narayan	Auvinash.Narayan@aerfin.com	+44 (0) 7766384581

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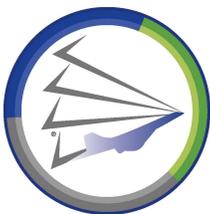
THE AIRCRAFT AND ENGINE MARKETPLACE

Regional Jet / Turboprop Aircraft (cont.)

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
ERJ-145LR	Regional One	AE3007A1	145304	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
ERJ-145LR	Regional One	AE3007A1	145331	2000	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164

Commercial 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
(3) AE3007A1P	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
(1) AE3007A1	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
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				
(2) CF34-10E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(2) CF34-10E7	Now - Sale/Lease/Exch.	Werner Aero	Cliff Topham	ctopham@wernerero.com	+1-703-402-7430
(1) CF34-8E5A1	Now - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(1) CF34-8C5B1	Now - Lease				
(1) CFM34-8C5A1	Aug 2019 - Lease				
(1) CF34-10E6	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
CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CF6-80C2B6F	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(1) CF6-80C2B1F	Now - Sale / Lease				
(1) CF6-80C2B7F	Aug 2019 - Sale / Lease				
(1) CF6-80C2B1F	Jul 2019 - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CFM56-5B	Q3/2019 - Sale / Lease	Conrail Aviation	Kevin Milligan	kevin@conrail.com	+1 949-933-0797
(1) CFM56-5B4/3	Sep 19 - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) CFM56-7B24	Aug 19 - Lease				



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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-5B3/3	Now - Lease	Rolls-Royce & Partners Finance	Charlie Ferguson	charlie.ferguson@rolls-royce.com	+44-(0)7772224895
(2) CFM56-7B27	Now - Lease	CFM Materials	Jimmy Hill	jimmy.hill@cfmmaterials.com	+1-214-988-6670
(1) CFM56-7B26	Now - Lease				
(1) CFM56-7B27	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(2) CFM56-5B4/P	Now 2019 - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
(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.				
(2) CFM56-7B26/27	Now - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
JT8D and JT9D Engines	Sale / Lease	Company	Contact	Email	Phone
(1) JT8D-217C	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azures.com	1-954-249-7935
(1) JT8D-219	Now - Sale / Lease	LCHAerospace	Carlos Miranda	cmiranda@chaerospace.com	+1 954-644-9617
GE90 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) GE90-115	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
GENx Engines	Sale / Lease	Company	Contact	Email	Phone
(2) GENx1B74/75 Propulsor	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(2) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) LEAP-1A33	Aug 19 - Lease				
(1) LEAP1A-32	Now - Lease	Rolls-Royce & Partners Finance	Charlie Ferguson	charlie.ferguson@rolls-royce.com	+44-(0)7772224895
PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW121	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(2) PW123B/E	Now - Sale / Lease				
(1) PW127E/F/M	Now - Sale / Lease				
(1) PW150A	Aug 2019 - Sale / Lease				
(3) PW123	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 415 516 4837
(1) PW127	Now - Sale/Lease/Exch.				
(1) PW127F	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(4) PW127M	Aug 19 - 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				
PW150A RGB	Now - Lease				
(1) PW124B	Now - Sale/Lease/Exch.	Logix Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(2) PW127E/F			Remi Kryns	rkryns@logix.aero	+33.6.2079.1039
(4) PW127M					
(1) PW120 / PW121	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610

THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(1) Trent 772B	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) V2533-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
(1) V2533-A5	Sep 19 - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(2) V2527-A5	Aug 2019 - Sale / Lease				
(2) V2500-A5	Now - Sale / Lease	Contrail Aviation	Kevin Milligan	kevin@contrail.com	+1 949-933-0797
(1) V2533-A5	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
(1) V2527-A5	Now - 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/Lease/Exch.	TrueAero, LLC	Matt Parker	mparker@trueaero.com	+1 469-607-6110
A340-300/A330 Landing Gear	Now - Sale/Lease/Exch.				
A340-600 Landing Gear	Now - Sale/Lease/Exch.				
B777-200 Landing Gear	Now - Sale/Lease/Exch.				
Trent 552 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
Trent 892 Inlet Cowls and Fan Cowls	Now - Sale/Lease/Exch.				
CFM56-5B Inlet Cowls and Fan Cowls	Now - Sale/Lease/Exch.				
V2500-A5 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
CF6-80E Trust Reversers, Inlets & Fan Cowls	Now - Sale/Lease/Exch.				
APUs (2) APS2300	Now - Sale/Lease/Exch.				
APUs (2) GTCP331-500B, (1) APS3200	Now - Sale/Lease/Exch.				
Neutral CFM56-7B QEC Kit	Q4/2019 - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azures.com	1-954-249-7935
GTCP36-300A, GTCP85-98DHF APU	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) GTCP36-150RJ, (2) GTCP36-100M,	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					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(1) PW901A APU	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)141 389 3014
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Q3+Q4/2019 - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(1) GTCP131-9B	Now - Sale / Lease	DASI	Chris Glascock	Chris.Glascock@dasi.com	+1 954-801-3592
(multiple) APS2300, (1) GTCP331-350C	Now - Sale / Lease	AirFin	Nick Filce	Nick.Filce@aerfin.com	+44 7770 618 791
(1) GTCP36-300A, (1) GTCP131-9A					
(2) GTCP131-9A, (1) GTCP131-9B, (1) GTCP131-9B (MAX),		GA Telesis		apu@gatelesis.com	+1-954-676-3111
(1) GTCP331-200ER, (1) GTCP331-350, (2) GTCP331-500, (1) PW901A					
GTCP131-9A, GTCP131-9B, GTCP331-350C	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
GTCP331-500B, GTCP331-200/250, APS5000			Rich Lewsley	rlewsley@logix.aero	+1 602 517 8210
APS3200, APS2300, GTCP85-129H					
(1) APU GTCP331-500, (1) APU GTCP131-9A	Now - Sale / Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
Engine stands now available	Now - Lease				
ENGINE STANDS: Trent 800, PW4000 112"/V2500 / CFM56/ PW2000 & Bootstrap kits		National Aero Stands		support@stands.aero	+1 305-558-8973
GTCP131-9A, GTCP 131-9B	Now - Sale / Lease	Werner Aero Services	Julien Levy	jlevy@Wernerero.com	+1 201-674-9999
737-800 Winglets	Now - Sale / Lease				
737-700 & 737-800 Landing Gear	Now - Sale / Lease				
(3) APS 2300	Now - Sale/Lease/Exch.		Mike Cazaz	mike@wernerero.com	+1 201-661-6804
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368