



# **Weekly Aviation Headline News**

#### **WORLD NEWS**

#### Loganair connects with Flybe

AVITRADER Deblications

UK regional carriers Loganair and Flybe announced a new co-operation agreement that offers customers the choice of a broad range of additional travel connections throughout the UK and Europe. Over 100 new connections are now bookable via Loganair's website. Passengers travelling between destinations such as Sumburgh and Southampton, Inverness and Exeter, Stornoway and Birmingham, and Norwich and the Isle of Man can all now benefit from the renewed co-operation between the UK's two leading regional airlines.

## Titan Airways introduces first Airbus A330

Titan Airways, the London Stansted-based charter and airline sub-charter specialist, is bolstering its fleet with the introduction of a first Airbus A330 airliner. The 5-year-old Airbus A330-200 will join Titan's 12-strong fleet in the first quarter of 2020 and enter revenue service in April. The A330, leased for a 5 1/2-year term, will be the first wide bodied Airbus variant operated by Titan Airways, replacing a Boeing 767-300ER.

# Aircraft paint shop to open at Kaunas Airport, in Lithuania

Construction of a multi-bay dedicated aircraft paint shop is due to get underway at Kaunas Airport this winter to enable aircraft painting activities to commence at Kaunas Airport from the end of 2020. The project is being undertaken by Irish headquartered company, MAAS Aviation which is the third largest aircraft painting company in the World. The company has rented an area within the territory of the airport by an auction and undertaken to build a hangar, where it will perform painting activities.



GECAS and IAI will launch the 777-300ERSF.

### **GECAS** adds freighter capacity

With 777 and 737 conversions

GECAS and Israel Aerospace Industries (IAI) today announced the launch of the Boeing 777-300ERSF, and the establishment of a passenger to freighter conversion programme. Dubbed "The Big Twin" — denoting its status as the

largest ever twinengined freighter— the initiative is jointly funded by GECAS and IAI. With agreements signed in July 2019 and a prototype—air-

craft to be provided by GECAS, the 777-300ERSF Supplemental Type Certificate (STC) Development Programme has now been launched.

As launch customer and co-funder of the programme, GECAS will com-

mit fifteen firm orders and has fifteen additional options for the 777-300ERSF from GECAS' owned portfolio to the Program (including the prototype aircraft). The conversion of initial aircraft is expected to take place in Tel Aviv with further

"We are delighted GECAS has put such trust in IAI's abilities and are proud to continue our long-term relationship."

Yosef Melamed, IAI's EVP IAI & GM Aviation Group

conversion lines contemplated in other locations outside of Israel from 2023. The Program will also see IAI enter into conversion agreements for the 777-300ERSF directly with airlines as well as other lessors around the world.

The 777-300ERSF STC development and prototype conversion is estimated to take over three years from the start of the programme to achieving CAAI/FAA STC Approval, while subsequent aircraft will average four to five months to convert.

"IAI commends GECAS' ability to see around corners and work with the IAI Group to build a great aircraft that the market

requires," shares Yosef Melamed, IAI's EVP IAI & GM Aviation Group. "We are delighted GECAS has put such trust in IAI's abilities and are proud to continue our long-term relationship."

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Also, Garuda Indonesia and GECAS have entered into a lease agreement for two 737-800 Boeing-converted freighters (BCF). The passenger-converted aircraft are slated to be phased in mid-2020 and will provide additional capacity to Cargo Garuda Indonesia, the Indonesian National carrier's strategic business unit with three freighters currently in use.

Boeing 737-800 freighters are perfectly suited to short and mid-range routes which form the basis of Garduda's scheduled network. From

its base Cargo Centre at Soekarno–Hatta International Airport near Jakarta, the carrier provides dedicated cargo services for mail and express shipments as well as e-commerce and general cargo shipments, accommodating cross-border online purchases.

"GECAS is excited to provide these converted 737-800 freighters to Garuda as they expand their dedicated cargo fleet," stated Richard Greener, GECAS' SVP & Manager Cargo Aircraft Group.

#### AIRCRAFT & ENGINE NEWS

# AerCap leased, purchased and sold 108 aircraft in the third quarter of 2019

AerCap Holdings N.V. has announced its major business transactions during the third quarter of 2019: AerCap signed lease agreements for 72 aircraft, including 13 wide-body aircraft and 59 narrow-body aircraft. The company purchased 16 aircraft, including nine Airbus A320neo Family aircraft, one Airbus A350, four Boeing 787-9s and two Embraer E2s. AerCap has executed sale transactions for 20 aircraft during the quarter, including eight Airbus A320 Family aircraft, three Airbus A330s, six Boeing 737NGs, one Boeing 777-300 and one Boeing 777-300ER from Aer-Cap's owned portfolio and one Airbus A320 Family aircraft from AerCap's managed portfolio. The company continues to manage two aircraft that were sold from its owned portfolio during the quarter. AerCap also signed financing transactions for over US\$800 million in the third quarter of 2019.

#### Amaszonas Línea Aérea of Bolivia is newest Embraer E-Jet operator

Amaszonas Línea Aérea of Bolivia is the newest Embraer E-Jet operator. The airline started flying the E190 on October 15, between Santa Cruz de la Sierra's Viru Viru Airport and La Paz. Amaszonas is adding a total of six E190s to its fleet. The airplanes will fly to several domestic and international destinations. The first two E190s are leased from GECAS and configured with 112 seats in a single-class layout. The other four aircraft will be leased from CDB Leasing and have 110 seats in a single-class layout. The airline will also operate the E190s at Montevideo's Carrasco International Airport in the future. Embraer and Amaszonas have also signed a Flight Hour Pool Program agreement until 2024 to provide repairable component support for the carrier's fleet of up to six E190s. The multiyear program features both the Pool Program and repair management services for the carrier's fleet of E-Jets, including material services engineering and advanced component exchanges from Embraer's spare parts distribution center in Fort Lauderdale, Florida

#### Spring Airlines takes delivery of new Airbus A320neo from BOC Aviation



Spring Airlines

Photo: AirTeamImages

BOC Aviation has delivered a new Airbus A320neo aircraft to Spring Airlines, China's largest low-cost carrier. The aircraft is powered by CFM Leap 1A engines. Spring Airlines President Wang Zhijie said, "Spring Airlines has been growing profitably since we began operations in 2005. We are pleased to work with our long-term partner BOC Aviation which has once again demonstrated its excellent professionalism and customer service in meeting our needs for modern aircraft."

#### TrueNoord leases six Embraer E170s to Republic Airways



American Eagle

Photo: AirTeamImages

Republic Airways, the regional airline operating services under the names American Eagle, Delta Connection and United Express in the U.S., has leased six Embraer 170s from TrueNoord, the specialist regional aircraft lessor. These aircraft have been in operation with Republic Airways since 2005 and have now been purchased by TrueNoord with leases attached from GA Telesis. This is TrueNoord's first fleet deal in North America. Financing was provided under a bilateral term loan facility supported by Erste Bank. Pillsbury, Winthrop, Shaw, Pittman LLP advised TrueNoord on the transaction. In closing this milestone deal, TrueNoord adds a new aircraft type to its portfolio and increases its E-Jet fleet to 28, of which six are Embraer E170s, and the total fleet to 41, including 12 turboprops.

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#### Swiss grounds fleet of 29 Airbus A220 jets for engine checks



Swiss Air A220-100 Photo: AirTeamImages

Swiss International Air Lines AG (Swiss), part of the Lufthansa group of companies and based near Basel, Switzerland, has announced that it has been forced to ground its fleet of 29 Airbus 220 jets in order to make engine checks after a technical problem was encountered by one of its jets on a London to Geneva flight which was redirected to Paris. According to RTS, the Swiss public television company, eight technical problems with the A220 have been reported within a year. "Only after a faultless inspection will the aircraft return to regular flight operations," Swiss said. This would lead to a noticeable reduction in Swiss flight operations, as numerous

flights would have to be cancelled, it added. "Swiss takes these incidents very seriously and is in close contact with the responsible authorities, Airbus Canada and the engine manufacturer Pratt & Whitney," it continued. "The safety of our customers and crews is our top priority. We will do everything in our power to return our [A220] fleet to normal flight operations as quickly as possible and to continue to ensure safe flight operations." Pratt & Whitney confirmed that it has recommended additional checks on engines which power the Airbus A220 and also a number of Embraer E2 passenger jets. "Pratt & Whitney and our airframe OEMs (manufacturers), working in coordination with the regulatory authorities, have recommended additional inspections of the low-pressure compressor for PW1500G and PW1900G engines to keep the fleet operational," a spokesman said. "The engines continue to meet all criteria for continued airworthiness." All 29 A220 jets were supplied by Bombardier, the Canadian plane maker which sold a 50.01% stake in the CSeries to Airbus in July 2018 with the aircraft series then renamed the Airbus A220.

#### Air Austral signs firm order for three A220s

Air Austral, the Réunion Island-based airline, has signed a firm order for three A220 aircraft, Airbus' newest family member. With this order Air Austral becomes the first A220 customer based in the Indian Ocean region. Benefiting from a 20% reduction in fuel burn and CO2 emissions, the A220s will enable Air Austral to reduce its costs and carbon footprint on international routes in the region. "Air Austral has chosen the A220-300 as part of the renewal of its medium- and short-haul fleet. These new-generation aircraft will join the airline from the end of 2020 with the aim of har-



Contract signing between Air Austral and Airbus

Photo: Airbu

monizing part of its fleet and strengthening its operations," said Marie-Joseph Malé, Chief Executive Officer of Air Austral. "The economic and operational performance of the A220 opens new possibilities for the development of our regional network from our main base – Réunion Island – in an efficient and rational way. The 132-seat capacity module, which is more flexible, will allow us to increase our frequencies while offering more comfort to our customers and crews," he added.

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#### Bombardier Global 5500 and Global 6500 jets receive EASA certification

Bombardier's two latest additions to the Global family, the Global 5500 and Global 6500 business jets, have received European Aviation Safety Agency (EASA) certification, validating the requirement for the aircraft's operation in the European Union. This certification comes on the heels of Transport Canada certification and entry-into-service on September 30. The aircraft went through the rigorous flighttesting program, which was completed at Bombardier's test centre in Wichita, Kansas. The Pearl 15 engine, the latest addition to Rolls-Royce's business aviation engine portfolio, was developed at the Rolls-Royce Centre of Excellence for Business Aviation engines in Dahlewitz, Germany, and was custom-designed with the most innovative technology - including enhanced aerodynamics, blade cooling and advanced engine health monitoring systems - to power the Global 5500 and Global 6500 aircraft. With the purpose-built engines, advanced wing design and built-in systems redundancy and robustness for which Bombardier Global aircraft are renowned, the aircraft offer superior safety and a smooth ride for its passengers.



Photo: Bombardier Global 6500

#### LCI launches first helicopter co-investment vehicle



Leonardo AW 139 helicopter Photo: LCI

Helicopter lessor LCI, the aviation division of the Libra Group, has launched its first helicopter co-investment vehicle. The new helicopter ownership vehicle contains five aircraft all on long-term lease – three Leonardo AW139 and two Sikorsky S-92 units – and is valued at over US\$100 million. It has been launched in partnership with Flexam Tangible Asset Income Fund (part of Flexam Invest Group), who have also contributed to the capitalization. LCI will also act as servicer for the vehicle. LCI first entered the helicopter leasing marketplace in 2012 with a US\$400 million order for a fleet of Leonardo AW139, AW169 and AW189 aircraft. Since that time, it has developed a proven leasing platform which today is renowned for the ownership, management and servicing of a fleet approaching 100 aircraft. These are in operation across four continents in multiple sectors including offshore wind, emergency medical services, search and rescue, maritime pilot transfer and offshore oil and gas.

#### **MRO & PRODUCTION NEWS**

#### Rolls-Royce and Volo Aero MRO sign tenyear T56 engine support agreement

Rolls-Royce and Volo Aero MRO have signed a ten-year agreement covering the support of T56 single engine piece part maintenance repair and overhaul services. With over 18,000 engines manufactured since 1953 and more than 230 million flight hours accumulated, the T56/501 engine continues to be the leader of large turboprop engines for both military and commercial use. They are maintained by the Rolls-Royce authorized MRO Support Network, providing affordable, reliable support solutions. The AMC Network includes nine approved, licensed maintenance centers around the globe. Volo Aero MRO is an FAA- and EASA-certified MRO based in Massachusetts, offering in excess of 50 individual repairs for the T56 engine and continues to develop additional repairs for the Authorized Maintenance Centre (AMC) and the Authorized Military Overhaul Facilities (AMOF) network to meet its requirements.

## Barfield enters into agreement to support GSTE products in Europe

Barfield, a subsidiary of Air France Industries KLM Engineering & Maintenance (AFI KLM E&M) in the Americas, has signed an agreement allowing Falgayras to become Barfield authorized repair center in Europe. The agreement covers the repair and calibration of several GSTE products including Air Data/Pitot Static, and Turbine Temperature. The first agreement with Falgayras allowed Barfield to become the distributor of the French-based manufacturer in June 2018. Falgayras supplies and manufactures aircraft on-board equipment such as flight control and navigational equipment, electronic and motor control equipment.

#### C&L Aerospace purchases Beechjet business from Global Parts

C&L Aerospace has purchased the Beechjet 400 rotable parts program from Global Parts. As part of the transaction, C&L has acquired Global's entire Beechjet rotable inventory. All parts from the program are now stocked in C&L's Bangor, ME warehouse. Parts from this purchase will bolster existing inventory and be used to support C&L's robust Beechjet support programs. Highlights from the inventory include pitch trim actuators, brakes, power supplies, and more. This inventory is inspected and has gone through a cataloguing process which includes photographing and barcoding the parts and corresponding documentation making purchases faster, easier and more transparent for customers.

#### New passenger seats for Tayaran Jet



"AURORA 2.0" seats for Tavaran Jet

Photo: Jhas

Bulgarian carrier Tayaran Jet and JHAS, the Italian design manufacturer of aircraft seating, have agreed on a partnership for the restyling of Tayaran Jet's cabin with innovative and customize seats. The development of economy class seats has been realized in synergy between the two companies, through studies, tests and detail analysis putting in the center the needs of passengers and structuring the seats to be Elegant, Refined and Exclusive in terms of Design, Comfort and Living Space. The result is an Economy Class seat for a new way of Air Travel, "AURORA 2.0".

#### SkyUp selects Acro's Series 3 Ultra seat

SkyUp Airlines has selected the Series 3 Ultra seat from Acro Aircraft Seating for eight of its aircraft, comprising six B737-800 and two B737-700 aircraft. SkyUp Airlines, the Ukranian charter and low-cost airline, which began its flight program in 2018, is the latest airline to join Acro's expanding roster of customers. Acro's Series 3 Ultra seat will now feature on Sky-Up's flights from Kiev, Ukraine to Tbilisi, Batumi, Erevan, Larnaca, Barcelona, Naples, Turin, Alicante, Paris, Nice, Sharjah, Praha, Tel-Aviv, Lviv and Kharkiv. Additional routes are scheduled for later in 2019 to Georgia, Cyprus, Italy, Spain, France, Israel, Armenia, Czech Republic and United Arab Emirates by direct flights. SkyUp's Series 3 Ultra seat offers exceptional comfort levels and features bespoke grey synthetic leather seat covers with SkyUp's signature orange colored stitching.



SkyUp selects Acro Series 3 Ultra seats Photo: Acro Aircraft Seating

# Liebherr and ATR sign ATR42/72-600 global maintenance agreement

Liebherr-Aerospace and ATR have signed a tenyear agreement covering the supply of components, repairs and associated Pay-by-the-Hour services for the more than 300 ATR42/72-600 aircraft fleet. After two years of development, the new air management system, developed and manufactured by Liebherr-Aerospace, will enter into service next year on ATR's 42/72 aircraft family. The regional aircraft program will benefit from this highly reliable system as it generates and enhances on-board comfort for passengers and crew while substantially reducing operation costs. ATR extends its confidence for ten years by entrusting Liebherr-Aerospace with the comprehensive product support and services for its fleet managed through its Global Maintenance Agreement, as Liebherr-Aerospace will handle the maintenance services for ATR operators through a back-to-back contract. The support services will be performed by Liebherr-Aerospace's service stations in Toulouse (France), center of ex-

#### **MRO & PRODUCTION NEWS**

cellence for air management systems, and Liebherr-Aerospace's service stations in Singapore and Saline, Michigan (USA).

## DC Aviation performs overhaul of Airbus A320 Family aircraft

During several months of ground time, DC Aviation's Maintenance Center at Stuttgart Airport has overhauled the VVIP-version of an Airbus A320 Family aircraft, investing over 5,000 hours. One feature of the comprehensive maintenance and refurbishing work was the modernization of the on-board entertainment system, including the installation of fully HD-capable cabling. Fitting the airplane with HD monitors, a new surround-sound system, and a WLAN with a media server brought the cabin technically up to date. The cabin was completely modernized, which included laying of modern durable non-textile (NTF) flooring. In addition to the cabin work, a ten-year maintenance check and a landing gear overhaul were performed. The ground time was also used to perform sensible structural repair work. In the past, DC Aviation has already performed complete cabin overhauls e.g. on the Legacy 650 and the Challenger 850 and has acquired comprehensive experience with changing landing gear. It has been offering line and base maintenance services for various types of aircraft since 1999.

#### Turkish Technic and Satair sign strategic General Terms Agreement

Turkish Technic and Satair have signed a strategic General Terms Agreement (GTA) to facilitate further business growth between the two entities. Under this agreement, Satair will support Turkish Technic with consumable and expendable spares (C&E) for the expanding Airbus aircraft fleet that is maintained by Turkish Technic. This unique agreement supports both Airbus standard hardware supplied from the Airbus warehouses in Hamburg and C&E material from Satair's global warehouses. This marks an important entry of Standard Hardware to the already established transactions of C&E material between the entities. With this tailor-made GTA, aircraft part numbers can be added and removed from the GTA in a dynamic manner to reflect real-time planning and forecast input. The flexibility of the GTA provides a customized and unique platform to add products and Stock Keeping Units to the GTA while still allowing the general Terms & Conditions to remain in force. This helps both parties to maintain a very high degree of flexibility while securing a good service level from Satair towards Turkish Technic.

#### MTU Aero Engines opens new high-tech test center for engine parts in Munich



Photo: MTU test center

MTU Aero Engines has built a new test center for engine parts on its Munich premises, investing an amount of more than €25 million (US\$27.5 million) in a new building and the advanced test equipment. After two years of construction. the test center is now operational. With the new test center, MTU not

only satisfies its current testing needs, the company has also set its sights on the future. Dr. Jörg Henne, Senior Vice President Engineering and Technology, explained: "We've built up the testing capacities we need for our current engine programs – but not without bearing upcoming future requirements in mind." Plans are to test new materials, new designs and larger structures. Henne also talked about entirely new propulsion systems just emerging on the horizon: commercial engines of the next- and next-but-one generation which will have to meet even more stringent requirements. "Our ultimate goal is emission-free air traffic, and MTU is already pushing the development of innovative green propulsion technologies systematically forward," Henne said. An emerging program in the military segment is the Next European Fighter Engine, or NEFE for short. This propulsion system will be developed jointly by MTU and European partners, and its parts will be put through their paces in the new test center in Munich, according to Henne. The facility has been designed such that it can easily be expanded when needed, for example to add floor space or to accommodate new technologies.

# LHT inks A380 main landing gear MRO license and asset agreement with Collins Aerospace

Collins Aerospace Systems and Lufthansa Technik have announced a first-of-its-kind licensing and asset agreement for Airbus A380 main landing gear Maintenance Repair and Overhaul (MRO) services. Under the agreement, which spans the life of the A380 program, Lufthansa Technik will be able to provide A380 main landing gear MRO services and access to



Collins Aerospace and LHT sign A380 main landing gear MRO license and asset agreement  ${\it Photo: LHT}$ 

assets supporting customer layover schedules. To help Lufthansa Technik develop MRO capabilities for the A380 main landing gear, Collins Aerospace will provide training, parts and proprietary repair procedures, including access to technical publications required to perform A380 main landing gear MRO services. Lufthansa Technik will offer asset management services through access to a collaboratively managed main landing gears pool of Collins Aerospace. "This agreement will provide A380 operators with more options for their main landing gear MRO services from high-quality repair centers," said Ajay Mahajan, president of Landing Systems at Collins Aerospace. "Lufthansa Technik and Collins Aerospace have enjoyed a long-standing, collaborative relationship and we look forward to continuing to work together to better meet the MRO needs of our customers moving forward."



#### **MRO & PRODUCTION NEWS**

#### STS Aviation Group purchases former MAEL hangar in Birmingham, England

Two weeks after acquiring Apple Aviation, STS Aviation Group (STS), an aviation solutions company, has finalized the purchase of a wide-body aircraft maintenance facility in Birmingham, England. The facility was formerly operated by Monarch Aircraft Engineering (MAEL) and put up for sale in March of 2019. It features 200,000 ft<sup>2</sup> of total space — including ramp — and has the capacity to service wide-body aircraft. In fact, the facility can house two wide-body aircraft or 10 narrow-body aircraft at the same time. In addition to its size, the complex is home to several on-site component repair and back shops; making it a true nose-to-tail MRO service facility flush with vertical lift storage devices, a global reporting room and dozens of laptop mobility hubs.

#### Embraer approves Jet Flight Service to expand support of Legacy 600/650 in Moscow, Russia

Jet Flight Service, based at Vnukovo International Airport, has been approved as an Embraer Authorized Service Center (EASC) to expand its support for Legacy 600/650 customers in Moscow, Russia. Jet Flight Service, which is certified by the European Union Aviation Safety Agency (EASA), may perform scheduled and non-scheduled maintenance, component and part exchange types of inspections at different levels of complexity for those aircraft platforms.

#### **Spatial to manufacture Water Evacuation Trainer for Singapore Airlines**

Spatial, a provider of cabin crew training simulators, is to manufacture a Water Evacuation Trainer for Singapore Airlines. With a B787 fuselage, the trainer will provide Singapore Airlines' cabin crew with the highest possible training standards in all Safety and Emergency Procedures (SEPs). Training will include door operation, cabin communications and aircraft systems familiarization, secure cockpit procedures, emergency equipment usage and evacuation, fire and smoke training, including evacuation directly into the adjacent pool. Simulated malfunctions and maintenance will be operated via an easyto-use touchscreen Instructor Operator Station (IOS). To provide comprehensive training for a wide variety of different door types, the trainer will include replica B787, A350 and A380 doors and refurbished B737 and B777 doors. Visual systems will be installed on all doors and synchronized with training scenarios to ensure a highly realistic training environment.

#### SR Technics wins engine services contract with Ukraine International Airlines



Ukraine International Airlines

Photo: AirTeamImages

MRO service provider SR Technics has been awarded a seven-year exclusive engine maintenance contract with Ukraine International Airlines (UIA). The agreement covers a minimum of 34 CFM56-7B shop visits. Meanwhile, work began on the first engine in the SR Technics engine shop in Zurich in August of this year. UIA and SR Technics have had a continuous partnership since April 2017, when the airline signed a five-year contract for integrated component services with SR Technics for UIA's Boeing 737NG fleet. SR Technics was able to secure the new engine services contract with a competitive commercial offer.

#### TurbineAero Asia unveils new facility near Bangkok, Thailand



Photo: TurbineAero officially opened its new facility in Thailand on September 27, 2019

TurbineAero, a portfolio company of The Gores Group, has officially opened its new facility in Chonburi, just outside of Bangkok, Thailand. On Friday, September 27, 2019, TurbineAero unveiled the new 90,000 ft2 facility, down the street from its former location. The new facility has maintenance, repair and overhaul capabilities for GTCP131-9A/-9B/-9C, 331-200/-350/-500, 85-129 and PW901A/C Auxiliary Power Units (APUs), APU components (piece parts) and accessories (LRUs), with plenty of room for growth. TurbineAero Asia's APU component repair product line holds all main part-145 certifications such as CAAT Thailand, FAA, EASA, CAAC China, JCAB Japan, Indonesia DGCA, ISO AS9110 and more.

#### Kenya Airways partners with Joramco for heavy maintenance services on B787 aircraft

Joramco, the Amman-based MRO and the engineering arm of Dubai Aerospace Enterprise (DAE), and Kenya Airways have signed a heavy maintenance agreement for the first time to perform OOP checks for six B787s from the carrier's fleet in addition to major modification tasks related to upgrading IFE wiring systems and Oxygen Module PSUs. Joramco successfully delivered five aircraft between May and June while work on the sixth aircraft began in September. Kenya Airways, a member of the Sky Team Alliance, is a leading African airline flying to 56 destinations worldwide, 43 of which are in Africa and carries over four million passengers annually. It continues to modernize its fleet with its 35 aircraft being some of the youngest in Africa.



Kenya Airways partners with Joramco for Heavy Maintenance Services

Photo: Joramco

#### StandardAero signs multi-year PW127M support agreement with Silver Airways



Photo: Silver Airways

StandardAero has signed an exclusive long-term contract with Fort Lauderdale-based Silver Airways for Pratt & Whitney PW127M engine support. Silver Airways is America's leading independent regional airline and StandardAero will provide it with comprehensive engine services in support of its fleet of brand-new ATR -600 regional turboprops, including responsive overhaullevel support from StandardAero's Summerside, PE, Canada location. In addition, Silver Airways will benefit from access to StandardAero's North American network of service centers and mobile repair teams (MRTs). StandardAero will also be supporting the airline with engine condition trend monitoring (ECTM) services, which provide proactive real-time engine maintenance recommendations, thereby

maximizing the operational availability of Silver's fleet. Silver Airways is the U.S. launch customer for the ATR -600 series, and earlier this year the airline became the first U.S. carrier to take delivery of an ATR 42-600. Silver Airways plans to introduce up to 50 ATR -600 series aircraft, including an initial order for 20 ATR 42-600 aircraft leased from Nordic Aviation Capital. Silver Airways has up-gauged certain deliveries to the larger 70-seat ATR 72-600 And the new ATR -600 series fleet will allow it to expand service for travelers on existing routes in Florida and the Southeastern United States, the Bahamas and other islands in the Caribbean.



#### **FINANCIAL NEWS**

#### United Airlines reports third-quarter net income of US\$1.0 billion; raises full-year 2019 guidance

United Airlines (UAL) has achieved third-quarter diluted earnings per share (EPS) of US\$3.99 and adjusted diluted EPS of US\$4.07 and raised its full-year 2019 adjusted diluted EPS guidance, with a new range of US\$11.25 to US\$12.25. United has reported third-quarter net income of US\$1.0 billion, pre-tax earnings of US1.3 billion and pre-tax margin of 11.9%, expanding pre-tax margin 2.3 points versus the third quarter of 2018. Third-quarter adjusted net income was US\$1.0 billion, adjusted diluted EPS of US\$4.07, adjusted pre-tax earnings of US\$1.4 billion and adjusted pre-tax margin of 12.1%, expanding adjusted pre-tax margin 2.5 points versus the third quarter of 2018. Consolidated third-quarter passenger revenue per available seat mile (PRASM) increased 1.7% year-over-year. Consolidated third-quarter unit cost per available seat mile (CASM) decreased 0.9% year-over-year. Consolidated third quarter CASM, excluding special charges, third-party business expenses, fuel and profit sharing, increased 2.1% year-over-year.

#### Alcoa posts third-quarter net loss of US\$221 million

Alcoa has reported a net loss of US\$221 million for the third quarter of 2019, compared with a net loss of US\$402 million in the second guarter of 2019. The results include US\$139 million of special items, including US\$134 million in charges associated with the divestiture of the Avilés and La Coruña facilities in Spain, and a US\$37 million restructuring charge for severance costs related to implementing a new operating model. The charges related to those two items were partially offset by a net benefit of US\$32 million in other special items. The company anticipates the majority of the restructuring costs associated with the new operating model will be paid in cash in the fourth quarter 2019 with the remainder in the first quarter 2020. The new operating model is expected to result in annual savings of approximately US\$60 million in operating costs beginning in the second quarter of 2020. Excluding the impact of special items, third-quarter 2019 adjusted net loss was US\$82 million compared with a second-quarter 2019 adjusted net loss of US\$2 million. In the third quarter, Alcoa reported adjusted EBITDA excluding special items of US\$388 million, down US\$67 million from the prior quarter, primarily due to lower alumina pricing that was partially offset by a higher alumina sales volume and lower production costs. Alcoa reported third-quarter revenue of US\$2.6 billion, down 5% sequentially due primarily to lower alumina prices. Alcoa ended

#### Czech Airlines Technics finalizes cabin modification for Finnair

Czech Airlines Technics (CSAT) has successfully completed a two-year cabin modification and Wi-Fi network installation project for Finnair's Airbus narrow-body craft. Finnair is one of CSAT's long-term Base Maintenance division clients. Throughout course of the project, CSAT employ-



CSAT modification project on Finnair's fleet of Airbus narrow-body aircraft

ees completed the cabin modification and connectivity installation on a total of 24 Finnair aircraft in Hangar F at Václav Havel Airport Prague. As a result, all aircraft have a new cabin configuration and layout and Finnair customers can access internet and Finnair's complimentary onboard Nordic Sky Portal during the flight. This was the industry's first connectivity retrofit with the aircraft manufacturer, Airbus. During the work performed in Prague, the aircraft underwent a modification of the cabin, called 'Spaceflex', consisting of the cabin reconstruction, increasing the number of passenger seats, and replacement of the galleys and lavatories. At the same time, CSAT workers had to reinforce the fuselage to install the satellite antenna and its cover on top of the fuselage and distribute cables throughout the aircraft, including the cockpit and passenger cabin. Subsequently, a wireless internet connection was launched and tested on board the aircraft. During the flight, the antenna on the fuselage receives a signal from the satellite, which is distributed to passengers' electronic devices via Wi-Fi access points located in several places around the cabin.

the quarter with cash on hand of US\$841 million and debt of US\$1.8 billion, for net debt of US\$965 million.

#### Sabre buys Radixx in US\$110 million deal

Sabre Corporation, the travel technology company based in Southlake, Texas has announced its acquisition of Radixx, the Orlando, Floridabased technology provider to low-cost and retail-focused airlines. Radix was founded in 1993 to leverage the technology industry's fast-paced advancements, focusing on cloud-based solutions that could be rapidly deployed by airlines. With low-cost carriers holding a 30% share of annual boarded global passengers, this sector of the commercial airline industry has expanded twice as fast as full-service airlines. Products that Radixx is renowned for include a low-cost carrier passenger service system and an internet booking engine. "By combining Radixx technology and expansive low-cost carrier customer base with Sabre's expertise, scale and global service capabilities, this acquisition will result in a better alternative for low cost carriers that might have otherwise felt their PSS and other technology options were limited," said Sean Menke, chief executive officer of Sabre. "This acquisition also allows Sabre to quickly expand its footprint both geographically and in terms of scope of service with an important and rapidly growing segment of the airline industry." Radixx supports all airline business models with its industry leading travel e-commerce platform and has a diverse customer base in key low-cost carrier markets within Europe, South America, Asia Pacific and Africa. The company uses proven technology and unique partnership models in order to create innovative solutions which deliver omni-channel merchandising and a quality traveler experience for its customers while also offering unique merchandising capabilities, natively built into the passenger system, enabling airlines to maximize their ancillary revenue.

#### Thomas Cook subsidiary Condor saved with €380 rescue loan

Condor Flugdienst GmbH (Condor) the German leisure airline and subsidiary of the now defunct Thomas Cook Group, has received approval from the European Commission for a loan from the German government of €380 million (US\$418 million) to guarantee the smooth continuation of operations while it looks to shore up its future and battle against a liquidity shortage after the demise of its parent company. The loan received approval as it is not seen as tantamount to distorting competition in the single market and will be used to write off major claims against other

#### FINANCIAL NEWS

Thomas Cook Group companies which it will no longer be able to collect. According to Condor's provisional administrator, Lucas Flöther: "Condor [now] has the necessary liquidity to bridge the winter season and continue business operations in full. The Condor management will now work out a restructuring plan in order to use the shielding procedure to align and set up Condor for a future without Thomas Cook. This plan is then to be adopted in the proceedings opened, which are expected to begin in December." Under the EU Commission's guidelines in relation to rescuing an ailing business, aid can be granted for a maximum of six months, allowing sufficient time for an alternative source of funds to be found or, if Condor fails to repay the loan within the six-month period, it must show that a viable financial restructuring for the long-term benefit of the company exists and can be put to the Commission for assessment and approval.

#### INFORMATION TECHNOLOGY

TP Aerospace, a leading aftermarket supplier of wheels and brakes to the aviation industry, is to implement software from Ideagen as it expands its global quality management operations. The Copenhagen-based organization will adopt Ideagen's Q-Pulse quality management software as the company rolls out its growth plan - 'Green Sunrise' – a project that aims at moving closer to customers, amongst others, through more locations around the world. With more locations being added to its already widespread network of MRO facilities and sales and support offices, TP Aerospace is not only expanding its operations into new countries and growing its global workforce, the company is also continuously looking for ways to optimize and develop its current procedures to support its growth. Ideagen's Q-Pulse system will provide TP Aerospace with a "single source of the truth" in regard to operational quality management, providing a crucial system for auditing, training, reporting and document management during and beyond its ambitious global growth project.

Component Control has announced the expanded integration between Quantum Control and Aeroxchange's AeroRepair platform. Designed to provide effortless data sharing between MRO Service Providers, Part Sellers and its customers, the Integration between Quantum Control and AeroRepair simplifies communication, increases accuracy and reduces manual data entry. Aeroxchange, the electronic business network, supports all MRO business processes within the aviation industry for buyers and sellers. Integration with Aeroxchange's AeroRepair allows repair facilities to easily accept and process customer

## Inflite MRO Services wins Spairliners contract for Embraer E-Jet component repair work



Inflite's Christoffer Creutz and Spairliners' Benoît Rollier at MRO Europe

Photo: Serena Parkin for Inflite

Inflite MRO-Services, part of the Inflite Group, has secured a new, long-term contract with Spairliners GmbH, the Lufthansa Technik/Air France Industries KLM Engineering & Maintenance JV business, to handle component repair work on the Embraer E-Jet 170 and 190 aircraft. The contract was signed during the MRO Europe Show in London. When work commences in 2020, Inflite will be supporting a wide range of E-Jet rotable components for Spairliners' E-Jet customers, including difficult to transport and hazardous items. Work will be carried out at its dedicated components workshops at London Southend Airport. Inflite MRO Services has been increasingly active supporting E-Jet family components, supporting several customers ad hoc, including Flybe. It is a major shift for the business, which built its reputation as a specialist BAe 146 support center. With more BAe 146s moving overseas, Inflite has moved into more modern types, including the Airbus A320 and B737.

#### Eaton signs agreement with OEMServices to expand MRO business in Russia



Eaton and OEMServices to expand MRO business in Russia

Photo: OEMServices

Power management company Eaton will provide maintenance, repair and overhaul services for components on Airbus and Boeing aircraft as part of a long-term agreement with OEMServices. The growth opportunity will expand Eaton's high-quality, cost-effective MRO services into new airline markets in Russia to benefit A320, A330, A340, B777 and B787 operators. As part of this long-term agreement, Eaton will perform repair services on a broad portfolio of air frame fuel and hydraulic components, engine fuel and sensing products, and electrical actuation products.

#### **INFORMATION TECHNOLOGY**

orders, send acknowledgements and pricing estimates, update customers with estimated completion dates, and finally send shipping notifications and billings, all from within Quantum.

Airbus and Delta Air Lines are forming a digital alliance to develop new predictive maintenance and health-monitoring solutions for airline customers worldwide from 2020. To be accessed via a unified portal through the Skywise platform, the cross-fleet solutions will harness each member's expertise in airframes, systems and engines. Delta Air Lines will be the first user of the enriched predictive maintenance solution. This partnership builds on an already successful platform of technical collaboration between Airbus and Delta: In October 2018, Delta entered into a multi-year contract with Airbus to apply Skywise Predictive Maintenance to its A320 and A330 fleets - covering around 400 aircraft. Moreover, in June this year, Airbus and Delta joined forces to offer A220 component repair and material services for Airbus' A220 Flight Hour Services (FHS) program.

#### **OTHER NEWS**

Lufthansa Technik has further increased its market presence for connectivity modifications in Asia, a rapidly developing market for inflight internet solutions. As the most recent customer for these services, Lufthansa Technik welcomed Chinese service provider Air Esurfing Information Technology, which it will help in providing aircraft with the first ever inflight connectivity solution for the Chinese market. Further contract partners include Honeywell (antenna hardware provider) and China Satcom (satellite provider). According to a new five-year agree-



Chengdu Shuangliu International Airport

Photo: UA:

Global trip support solutions provider, UAS International Trip Support (UAS) has expanded its capabilities in China and bolstered its client offering by becoming a domestic handling agent providing handling services across the country. With the new UAS China network of dedicated local agents in position, foreign operators will now have easier access to all categories of business airports in the region. Dedicated UAS China agents are already operating at major business aviation hubs such as Beijing, Shanghai, Shenzhen, Hangzhou, Xi'an and Guangzhou, which represent some of the country's most active executive destinations. UAS China clients are benefiting from having a local UAS contractor on site to deliver priority ground handling, dedicated supervision and, significantly, the convenience of liaising with a single source for all ground handling and trip support services at China's pivotal business aviation gateways. This synchronized handling and support is of particular benefit for international operators and fleets as it helps navigate the complexities of the aviation landscape by reducing points of contact, simplifying the trip planning process, and emulating the high standards delivered by UAS globally. Support continues with English-speaking personnel on hand to support all requirements for the duration of the client's stay in China. The enhanced service offering complements the existing ground supervision delivered by UAS station managers throughout China, as well as UAS' bespoke trip support solutions for VIP passengers and crew members. UAS clients will also benefit from competitive pricing with tailored pricing packages to help operators optimize their operations costs.





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#### **OTHER NEWS**

ment, Lufthansa Technik will design and certify Ka-band-based connectivity retrofit packages for both the Airbus A320ceo and A320neo aircraft families as well as the Boeing 737NG and 737MAX. The company will also work with Air Esurfing Information Technology to provide the respective CAAC validated EASA Supplemental Type Certificate (VSTC) to support Chinese airlines. Moreover, Lufthansa Technik will take care of material supply and material handling services for the installation of the packages, that can be tailored to each of Air Esurfing's airline customers and their specific requirements.

Panasonic Avionics Corporation subsidiary, AeroMobile and TrueMove Thailand, a subsidiary of True Corporation, have partnered to launch an inflight data roaming bundle for its customers. The inflight bundle, which commercially launched in September 2019, will place inflight mobility at the heart of TrueMove Thailand's roaming packages. As the first operator in the country to launch an inflight roaming bundle, this agreement further cements TrueMove Thailand's position as a market innovator and respected service provider, with a highly competitive offering that brings more value and a greater experience for their 28 Million+ customer base. Customers who subscribe to the inflight service will be able to use their mobile phones to browse the internet, send and receive emails. texts and calls and stay in touch with friends on social networks, whilst travelling on AeroMobileequipped aircraft.

#### **INDUSTRY PEOPLE**



Dennis Muilenburg

• In a move that was originally recommended by shareholder advisory firms Institutional Shareholder Services Inc and Glass Lewis six months ago, Boeing's board of directors has Denstripped

nis Muilenburg of his chairmanship title shortly after the plane maker was severely criticized over the development of the 737 MAX. The board has confirmed that it still has "full confidence" in Muilenburg's skills and he will retain his role as CEO, while the company issued a statement saying: "This decision is the latest of several actions by the board of directors and Boeing senior leadership to strengthen the company's governance and safety management processes." Boeing intends to name a new

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director with extensive safety experience and expertise who will serve on the board as well as a newly created Aerospace Safety Committee.



Fric Valdes

• West Star has promoted Eric Valdes to Gulfstream Program Director with associated programs for Egyptian contracts, Accessories, NDT and Window Repair at its East Alton, IL (ALN) facility. Valdes brings over 26 years

of aviation experience with him, formally serving as Gulfstream Program Manager at West Star for the past 12 years and previously at Midcoast for nine years.



Marcel de Nooijer

• As of January 1, 2020, Marcel de Nooijer will start as Transavia's new CEO. He succeeds Mattijs ten Brink, who left Transavia on September 30, 2019. Marcel de Nooijer is currently Executive Vice Presi-

dent, Air France-KLM Cargo and Managing Director, Martinair. In addition, commercial director Erik-Jan Gelink has indicated that he will leave Transavia at the end of this year.



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### THE AIRCRAFT AND ENGINE MARKETPLACE

#### **Commercial Jet Aircraft**

Commerc	cial Jet Aircraft								
Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	DVB Bank	CFM56-5B63	3586	2008	Q3/2020	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A319-111	DVB Bank	CFM56-5B5/P	2870	2006	Q4/2019	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
A320-200	ORIX Aviation	V2527-A5	1509	2001	Q4/2020	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	ORIX Aviation	CFM56-5B4/P	2584	2005	Q1/2021	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
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
A330-223	Aircraft Engine Lease Finance	PW4168A	970	2008	Now	Lease	Stephen Haire	shaire@aelfinc.com	+1 3127721613
A330-300	BBAM	Trent 772B-60	1544	2014	Jul 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A330-300	BBAM	Trent 772B-60	1562	2014	Sep 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
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
B737-800	DVB Bank	CFM56-7B27	28178	1999	Q4/2019	Lease	Jonathan Louch	Jonathan.louch@dvbbank.com	+44 207 256 4449
B737-800	ORIX Aviation	CFM56-7B26E	38034	2012	Q4/2020	Sale / 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
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	Willis Lease	CFM56-7			soon	Sale / Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
Regional	Jet / Turboprop Air	craft							
Aircraft Type		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	+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
D0328 Jet	Regional One	PW306B	3185	2001	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	1700155		Now	Sale / Lease	Auvinash Narayen	Auvinash.Narayen@aerfin.com	+44 (0) 7766384581
ERJ-170LR	AerFin	CF34-8E	1700124		Now	Sale / Lease	Auvinash Narayen	Auvinash.Narayen@aerfin.com	+44 (0) 7766384581
ERJ170-100LR		CF34-8E5	17000123	2006	Nov 2019	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
		0 . 020	.7000120	2000	2018	Calo / Louse	J , anan		:(-30) 100 0010 EXI.104









#### THE AIRCRAFT AND ENGINE MARKETPLACE

Regional	Jet /	Turbor	orop	Aircraft	(cont.)

Phone	Email	Contact	Sale / Lease	Available	Year	MSN	Engine	Jet / Turboprop Air Company	raft Type
+1(305) 759-0670 Ext.164	cfurlan@regionalone.com	Chris Furlan	Sale / Lease	Now	2001	145304	AE3007A1	Regional One	-145LR
+1(305) 759-0670 Ext.164	cfurlan@regionalone.com	Chris Furlan	Sale / Lease	Now	2000	145331	AE3007A1	Regional One	-145LR
								ial Engines	mmerc
Phone	Email	Contact		any	Compa		Sale / Lease		iple Types
+1(513)782-4272	engine.leasing@gecas.com	Sherry Riley	asing	S Engine Leas	GECAS	ase	Now - Sale / Lea	GE / CFM / RB211	iple Engine
Phone	Email	Contact		any	Compa		Sale / Lease	3	007 Engine
+1 786-623-3936	mbolivar@RegionalOne.com	Miguel Bolivar		al One	Region	se/Exch.	Now - Sale/Leas		E3007A1P
+44 7807 969 372	Benjamin.ferguson@rolls-royce.com	Ben Ferguson	ners Finance	Royce & Partne	Rolls-R	se/Exch.	Now - Sale/Leas		E3007A1
Phone	Email	Contact		any	Compa		Sale / Lease		4 Engines
+49-6731-497-368	k.ebach@lhaero.com	Kai Ebach	AERO Alzey	nsa Technik Al	Lufthar		Now - Lease		4-8E5
							Now - Lease		4-10E
							Now - Lease		4-8C
							Now - Sale		4-3B1
						ase	Now - Sale / Lea		4-3A
+1(305) 759-0670 Ext.164	cfurlan@regionalone.com	Chris Furlan	Regional One		Now - Sale / Lease			F34-8C5B	
				Now - Sale / Lease		(1) CF34-3B1			
+1 (561) 349-8950	leasing@willislease.com	Jennifer Merriam		ease	Willis L		Now - Lease		F34-10E
+1 (704) 504 9204x202	bill.polyi@magellangroup.net	Bill Polyi	Group	an Aviation Gr	Magella		Now - Lease		F34-8E5A1
						е	Oct 2019 - Leas	.1	FM34-8C5
+353 61 291717	declan.madigan@elfc.com	Declan Madigan	Engine Lease Finance		Now - Lease			F34-10E6	
							Now - Lease		F34-10E7
+1 (513) 782-4272	engine.leasing@gecas.com	Sherry Riley	asing	S Engine Leas	GECAS	ase	Now - Sale / Lea		4-8E(s)
Phone	Email	Contact		any	Compa		Sale / Lease		Engines
+1-954-676-3111	ewiejer@gatelesis.com	Eddo Wiejer		lesis	GA Tel	ase	Now - Sale / Lea	F	F6-80C2B6
						ase	Now - Sale / Lea	F	F6-80C2B
						ase	Now - Sale / Lea	F	F6-80C2B7
+1 772 925 8032	ekokoszka@trueaero.com	Ed Kokoszka	anagement	ero Asset Man	TrueAe		Now - Lease	F	F6-80C2B
Phone	Email	Contact		any	Compa		Sale / Lease		l Engines
+1 949-933-0797	kevin@contrail.com	Kevin Milligan		il Aviation	Contrai	/ Lease	Q3/2019 - Sale /		FM56-5B
+1 (561) 349-8950	leasing@willislease.com	Jennifer Merriam		ease	Willis L		Now - Lease		FM56-7B2











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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
(1) CFM56-7B22	Now - Lease	CFM Materials	Jimmy Hill	jimmy.hill@cfmmaterials.com	+1 -214-988-6670
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/E	Now - Lease	C	Ç	v C	
(1) CFM56-5B3/3	Now - Lease				
(1) CFM56-5B3/P	Now - Lease				
(1) CFM56-7B27	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(2) CFM56-5B4/P	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
(2) CFM56-7B26/27	Nov 2019 - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(2) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B4/P	Oct 2019 - Lease				
JT8D and JT9D Engines	Sale / Lease	Company	Contact	Email	Phone
(1) JT8D-219	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GE90 Engines	Sale / Lease	Company			
			Contact	Email	Phone
(1) GE90-115B	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(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
(1) GEnx1B74/75 Propulsor	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(2) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) LEAP-1A33	Now - 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
(3) PW121	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
	Now - Sale / Lease	magonan / manon Group	Biii i Oiyi	biii.poryi@magailangroup.net	11 (704) 304 3204 X202
(1) PW123B/E					
(3) PW127E/F/M	Now - Sale / Lease				
(1) PW150A (3) PW123	Now - Sale / Lease Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(2) PW127F	Now - Sale/Lease/Exch.	771110 25400	David Desidamiers	icasing@wiiisicasc.com	1 (001) 040 0000
(1) PW150A	Now - Sale/Lease/Exch.				
(3) PW127M	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.	1 (I) T 1 I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Miguel Bolivar	mbolivar@RegionalOne.com k.ebach@lhaero.com	+1 (786)-623-3936
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	K.ebach@maero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A PW121 (ATR)	Now - Lease				
	Name Lanca				
	Now - Lease				
PW124B	Now - Lease				
PW124B PW123B	Now - Lease Now - Lease				
PW124B PW123B PW125B	Now - Lease Now - Lease Now - Lease				
PW124B PW123B PW125B PW127F	Now - Lease Now - Lease Now - Lease Now - Lease				
PW124B PW123B PW125B PW127F PW150A	Now - Lease Now - Lease Now - Lease Now - Lease Now - Lease				
PW124B PW123B PW125B PW127F PW150A PW127M	Now - Lease Now - Lease Now - Lease Now - Lease Now - Lease Now - Lease				
PW124B PW123B PW125B PW127F PW150A PW127M PW150A RGB	Now - Lease Now - Lease Now - Lease Now - Lease Now - Lease Now - Lease	Logiy Aero	Joan Christian Maris	icmorin@logiv sero	122 E 4700 4000
PW124B PW123B PW125B PW127F PW150A PW127M PW150A RGB (1) PW124B	Now - Lease Now - Lease Now - Lease Now - Lease Now - Lease Now - Lease	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
PW124B PW123B PW125B PW127F PW150A PW127M PW150A RGB (1) PW124B (2) PW127E/F (4) PW127M	Now - Lease Now - Lease Now - Lease Now - Lease Now - Lease Now - Lease	Logix.Aero	Jean-Christian Morin Remi Krys	jcmorin@logix.aero rkrys@logix.aero	+33.6.4782.4262 +33.6.2079.1039



# AVITRADER<sup>TM</sup> publications 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	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) V2527-A5	Dec 2019 - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(2) V2527-A5	Now - 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				
· · · · · · · · · · · · · · · · · · ·	ampananta and Mic	o Equipment			
Aircraft and Engine Parts, Co	omponents and wis	Company	Contact	Email	Phone
	New Cale/Lease/Eyeb	· ·			
(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@azureres.com	1-954-249-7935
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) GTCP1	31-9B (MAX),	GA Telesis		apu@gatelesis.com	+1-954-676-3111
(1) GTCP331-200ER, (1) GTCP331-350, (2) G	TCP331-500, (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		5	Rich Lewsley	rlewsley@logix.aero	+1 602 517 8210
APS3200, APS2300, GTCP85-129H			-,	,0 0	. 552 511 5210
(1) APU GTCP331-500, (1) APU GTCP131-9A	Now - Sale / Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
Engine stands now available	Now - Lease				(72.) 2.12.2000
ENGINE STANDS: Trent 800, PW4000 112"/V2		National Aero Stands		support@stands.aero	+ 1 305-558-8973
/ CFM56/ PW2000 & Bootstrap kits				1,5-1-6-1-1-1-1-1	. 555 555 5070
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
(-)	20000	roomat/nerto razoy		-	- 13 0101-401-000