



## **Weekly Aviation Headline News**

#### **WORLD NEWS**

#### Cebu Pacific adopts Jettainer's **ULD** expertise

AVITRADER Deblications

The Philippines' carrier, Cebu Pacific (CEB) has chosen Jettainer, to manage and maintain its fleet of Unit Load Devices (ULDs) beginning October this year. In addition to a growing number of international destinations in Asia, Australia, and the Middle East, CEB also operates the widest domestic network in the Philippines out of its seven strategically placed hubs. This long-term partnership will provide the airline with a highly efficient steering method and a ULD fleet tailored to its specific needs, ultimately benefitting its cargo business.

#### IAG Cargo restarts London **Heathrow to Tokyo service**

IAG Cargo has restarted its direct service from the United Kingdom to Tokyo. The service will run year-round. three times per week from London Heathrow. The London – Tokyo service was paused due to coronavirus. Tokyo is particularly significant for the export of pharmaceutical goods, which can be moved using IAG Cargo's Constant Climate service. This state-of-the-art cold chain product is specially designed to process time and temperature sensitive pharmaceuticals.

#### **Qatar Airways takes delivery** of three A350-1000s

Qatar Airways has announced it has taken delivery of three more Airbus A350-1000 aircraft, reaffirming its position as the largest operator of Airbus A350 aircraft with 52 in its fleet. All three A350-1000 are fitted with the airline's Business Class seat, Qsuite and will operate on strategic long-haul routes to Africa, the Americas, Asia-Pacific and Europe. Due to COVID-19's impact on travel demand, the fleet of Airbus A380s will remain grounded.



Emirates has launched an integrated biometric path at DBX.

Photo: Emirates

## **Emirates launches contactless journey**

With integrated biometric path

Emirates has launched integrated biometric path at Dubai International airport (DXB). The contactless airport experience is now open to Emirates passengers travelling from and through Dubai.

The integrated biometric path will give passengers a seamless travel of initiatives we have introduced." iournev from specific check-in

flow through the airport with less document checks and less queuing. Utilising the latest biometric technology – a mix of facial and iris recognition, Emirates passengers can now check in for their flight, complete immigration formalities,

to boarding gates,

improving customer

"The state-of-the-art, contactless biometric path is the latest in a series

enter the Emirates Lounge, and

board their flights, simply by

strolling through the airport.

The various touchpoints in the

Biometric path allow for a hygienic

contactless travel journey, reducing

Adel Al Redha, Emirates' Chief Operating Officer

human interaction and putting emphasis on health and safety.

Adel Al Redha, Emirates' Chief Operating Officer said: "We have always focused on providing a great customer experience at any

touchpoint and now it is more vital than before to make use of technology and implement products, and introduce processes that focuses not only on fast tracking customers, but more

> importantly on health safety their travel journey. state-of-the-art, contactless biometric path is the latest in a series of initiatives we have introduced to make sure that

travelling on Emirates is a seamless journey and gives customers added peace of mind."

The biometric touchpoints are currently installed at select First,

Continued on page 3





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#### ...continued from page 1

Business and Economy Class check-in desks in Terminal 3 at DXB; immigration gates including a "smart tunnel"; Emirates' premium lounge entrance at concourse B as well select boarding gates. Areas where biometric equipment are installed will be clearly marked and additional units will be installed at each touchpoint in the future.

According to the airline, it is also the first airline outside America to receive approval for biometric boarding from the U.S. Customs Border Protection (CBP). Passengers flying from Dubai to Emirates' destinations in the U.S. will be able to choose facial recognition technology at the departure gates.

The biometric path is the latest in a host of initiatives by Emirates to provide a smart contactless journey. In the last month, the airline has introduced other services including self-check-in and bag drop kiosks at DXB for a smoother airport experience.



Utilising the latest biometric technology – a mix of facial and iris recognition

Photo: Fmirates

#### AIRCRAFT & ENGINE NEWS

#### **Embraer delivers seven commercial and 21** executive jets in the third quarter of 2020

Embraer has delivered a total of 28 jets in the third guarter of 2020, of which seven were commercial aircraft and 21 were executive jets (19 light and two large). As of September 30, the firm order backlog totaled US\$15.1 billion. During the third-quarter, Embraer Executive Jets reached the milestone of the 250th business jet in operation in Latin America with the delivery of a Phenom 100EV and a Phenom 300E to two separate Brazilian customers. In the same period. Embraer Executive Jets delivered the first Phenom 300E with the new Bossa Nova interior to Joe Howley, co-founder of Patient Airlift Services (PALS). Also, in the third quarter, Helvetic Airways signed a commitment to convert four of their remaining firm orders to the larger E195-E2 aircraft. The original order, for 12 E190-E2s with purchase rights for a further 12, and conversion rights to E195-E2, was announced in September 2018. Embraer has so far delivered five E190-E2s to Helvetic Airways, and all deliveries of the remaining seven aircraft, including the four E195-E2s, will be completed before the end of 2021. In addition, during the

#### SAS takes delivery of first A321LR which uses sustainable jet fuel



SAS takes delivery of first of three A321LR aircraft, on lease from ALC

Photo: Airbus

Scandinavian carrier SAS has taken delivery of its first of three A321LR on lease from Air Lease Corporation, becoming the newest operator of the efficient long-haul single-aisle aircraft. The A321LR is powered by CFM Leap-1A engines. The delivery flight from Airbus Hamburg to its home base in Copenhagen used a 10% sustainable jet fuel blend. The initiative is part of SAS's commitment to reducing its carbon footprint and Airbus' objective to contributing to the aviation sector's ambitious decarbonization targets. Airbus is the first aircraft manufacturer offering customers the option of receiving new jetliners with sustainable fuel. Such delivery flights have been available since 2016. SAS's A321 features a modern and extremely comfortable three-class cabin layout with 157 seats (22 "SAS Business" class, 12 "SAS Plus" class and 123 "SAS Go" class seats). The airline plans to deploy the aircraft from the Nordic countries on transatlantic routes.





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#### **AIRCRAFT & ENGINE NEWS**

period, Bamboo Airways, from Vietnam received and started operations with two first-generation used E195 aircraft.

## SkyWorks releases Leasing and Asset Management Group activities

SkyWorks Holdings has released transactions and activities performed during the third quarter of 2020. Leasing and Asset Management Group activities included the completion and repossession of 17 aircraft, including 11 A321-200s, four 787-9s and two A350-900s on behalf of a group of bondholders in the LATAM 2015-1 EETC. On behalf of a US-based financial institution, SkyWorks has managed the lease return of two DHC8-300s from Jazz Aviation and the subsequent sale to a U.S. investor. On behalf of a Middle Eastern-based leasing company, SkyWorks arranged the sale of one A321 on lease to British Airways to an Ireland-based lessor and arranged the sale of three A300F4-605R aircraft on behalf of a U.S.-based investor. Furthermore, SkyWorks continues to work with Copa Airlines on the sale of up to 20 737-700/800 aircraft.

## AJW Group purchases trio of Airbus A330 aircraft for teardown

AJW Group has purchased three Airbus A330-200 aircraft for teardown. The three ex-Thomas Cook U.K. aircraft, which were manufactured in 1999, are all powered by RB211 Trent 700 engines with GTCP331-350 Auxiliary Power Units. The aircraft will be disassembled onsite at Manchester Airport. With nearly 90 years of experience at the forefront of the aircraft component supply industry, AJW will manage the disassembly remotely coordinated by an experienced technical team and engine specialists, negating the need to ferry the aircraft to a teardown facility. Once removed from the fuselage, the A330 components will be recertified at AJW Group's maintenance hub in Montreal (AJW Technique), OEMs and other strategic vendors. The inventory will be held at AJW Group's headquarters in Sussex, England, as well as at strategic global hubs, ready for sale to support AJW Group's ad-hoc and contracted airline customers.

## Aergo Capital announces sale of two Boeing 737-300 aircraft

Aergo Capital (Aergo) has completed the sale of two 1997-98 Vintage Boeing B737-300 aircraft bearing manufacturers serial number (MSN) 28569 and 28869 to Star Air Cargo (Star Air). This

#### VALLAIR signs LoI with GlobalX to lease ten converted A321 freighters



GlobalX cargo A321 mock up

Photo: Vallair

VALLAIR has signed an LoI (Letter of Intent) with US-based Global Crossing Airlines (GlobalX) to lease ten converted A321 freighter aircraft. Vallair has been engaged in cargo conversions since 2015 and this ground-breaking agreement will see the Company take its pioneering A321 freighter program to the next level. The first GlobalX A321 will be delivered by the third quarter of 2021. GlobalX expects all ten A321F aircraft to be delivered and in revenue operation by the second quarter of 2023. The COVID-19 pandemic has seen a surge in market demand for air cargo as operators struggle to fulfill the ever-increasing requirements of e-commerce. The A321F is the ideal candidate to satisfy this need due to the availability of feedstock, with around 1100 aircraft manufactured, and younger technologies utilized by the aircraft resulting in a fuel-efficient, environmentally friendly freighter variant. On average, Vallair expects operators to see a 20% reduction in fuel burn per payload. Vallair signed its first LoI for the A321F in August 2019 with Qantas Freight and saw the maiden flight of its prototype A321F take to the skies in February 2020. The partnership with GlobalX will be a testament to Vallair's expertise and experience as a lessor and within the cargo conversion sector, with GlobalX's commitment to expansion and progression as an ACMI leader especially in the U.S.

#### AvAir completes full asset management contract with Icelandair



AvAir has partnered with Icelandair on a full asset management contract for all surplus materials

Photo: AvAir

AvAir, an inventory solutions provider for the aviation aftermarket, has partnered with Icelandair on a full asset management contract for all surplus materials including a variety of Boeing parts. Icelandair has been in operation for 83 years and has more than 44 destinations, 524 connections and 4.4 million passengers traveling internationally. Icelandair Group's fleet comprises 51 aircraft with 34 attributed to Icelandair. With this transaction, AvAir has added a wide range of Boeing aircraft material to its inventory including 757, 767, 737NG and 737MAX aircraft. The parts will be stored in AvAir's Dublin facility with many parts already in stock and more to arrive soon.

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#### **AIRCRAFT & ENGINE NEWS**

ends 15 years of 737 classic ownership by Aergo. Around 75 aircraft of this model have been owned and leased by Aergo, both in passenger and in freighter configurations.

## China yet to confirm plans to lift flight ban on 737 MAX

The head of China's aviation regulator, Feng Zhenglin, has advised that the country currently has no plans to lift the grounding of the Boeing 737 MAX, having been the first country to ban the aircraft from flying after two fatal crashes. Zhenglin confirmed that China would be prepared to lift the ban once the jet had satisfied three principles: design changes needed to be certified, pilots needed to receive proper training, and effective improvement would have to be made to address the specific findings of the investigations into the two crashes. "Based on these three principles, we have not set a timetable for Boeing 737 MAX's return to service here. As long as these conditions are met, we're happy to see the MAX return to service in China," said Feng. "But if these conditions cannot be met, we still have to carry out strict airworthiness certification in order to ensure safety." Currently the 737 MAX is expected to receive regulatory approval from the European Union Safety Agency (EASA) in November, and the U.S. Federal Aviation Authority (FAA) around mid-November. Feng confirmed that the CAAC had been in contact with the FAA, EASA, and Boeing regarding the 737 MAX and that he had held two meetings with Boeing's president to discuss its return to service.

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

## Sine Draco selects Ascent Aviation Services for A321-200 SDF passenger-tofreighter conversion

Sine Draco Aviation Development (Sine Draco) has selected Ascent Aviation Services in Tucson, Arizona, for modification and completion of its prototype A321 passengerto-freighter conversion (A321-200 SDF) with FAA approval anticipated in late 2021/ early 2022. The Sine Draco A321-200 SDF passenger-to-freighter conversion offers the optimal economic solution for the next-generation narrow-body freighter. Its design includes installation of a 142-inchwide by 86-inch-high main deck cargo door, Class E main deck cargo compartment with fourteen 88-inch by 125-inch container positions. The lower cargo compartments can also accommodate ten containers, with

#### Air Covers secures new Royal Air Force Typhoon contract



Air Covers has won a competitive bid to provide environmental protective covers for 147 RAF Typhoon aircraft *Photo: Air Covers* 

Air Covers, a leading specialist in the design of bespoke protective covers for the aerospace and marine sector, has won a competitive bid to provide environmental protective covers for 147 RAF Typhoon aircraft. Air Covers also won the supply contract for the Typhoon Display Team. Deliveries of the covers to RAF Coningsby have already started. A total of 50 complete sets have been dispatched to date, with a further 97 to follow. Each cupola cover is made at Air Covers' facility in Wrexham, North Wales. The Typhoon fleet will be protected with Air Covers' full convection cooling cover technology. The cupola covers are 30% lighter than the aircraft's incumbent covers, which were also creating a heat sink effect, raising cockpit temperatures above ambient levels. The new covers have been successfully trialed and tested with three air forces (with similar combat aircraft) in Italy, Afghanistan and Saudi Arabia.

#### Airbus selects EFW as early adopter for aircraft cabins of the future



Photo: Airbus

Elbe Flugzeugwerke GmbH (EFW) has been selected by Airbus as a Digital Design, Manufacturing and Services (DDMS) program early-adopter. In doing so EFW will actively engage, alongside Airbus, in shaping the future of the aerospace industry. DDMS provides an innovative set of processes, methods, and tools to ensure effective collaboration, digital continuity and value creation along the width and breadth of the entire aircraft lifecycle. It holds the promise of faster and cost-effective design and production, better services, and improved customer satisfaction. EFW was selected by Airbus as an early adopter to work on innovations in the cabin domain. For over 25 years, EFW has been a reliable expert in lightweight components for the aircraft interior: from floor panels, to side panels, partition walls, bulletproof cockpit doors, up to entire modules.

Photo: Pipistre



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

the A321 being the first airplane type in the narrow-body freighter class with this capability. Ascent Aviation Services will be performing the modification of the airplane by completing the touch labor, modification planning and inspection requirements. Ascent will also be completing a heavy check during the modification and providing maintenance support during the ground and flight test program following conversion.

#### **Aventure Aviation acquires Boeing 737NG** airframe

Aventure Aviation has acquired its first Boeing 737NG airframe (MSN 28497) for teardown. The item is being stored at Cotswold Airport in the United Kingdom, with Air Salvage International. The aircraft was last operated by Jet Time A/S in Denmark and has been under a maintenance storage plan since its recent removal from service. It has a half-life auxiliary power unit, and over seven years of green time remaining on its landing gear. "This is an exciting new purchase for Aventure. As the aviation industry looks to rebound from pandemic-related lows earlier in the year, it has become clear that the 737NG platform will continue to lead the recovery. Coupled with the recent trend in converting older 737NGs into freighters, there will remain a strong demand for parts support going forward," said Talha Faruqi, Aventure Aviation Vice President. Aventure Aviation is presently considering the acquisition of other Airbus, Boeing, and Bombardier models, focusing on end-of-life aircraft for dismantling and conversion.

#### Pipistrel selects Honeywell to provide Advanced Control Technology for Nuuva V300 unmanned cargo aircraft



Pipistrel Nuuva V300

Pipistrel has selected Honeywell's Compact Fly-By-Wire system for the Nuuva V300 cargo unmanned aerial vehicle (UAV), choosing a modern, lightweight, highly capable system with a proven architecture ideally suited for its autonomous cargo UAV. Fly-by-wire computers act as the "brains" of an aircraft's flight controls by operating them electronically and can be found inside nearly all large fixed-wing aircraft today. The compact version from Honeywell has features derived from decades of expertise in fly-by-wire systems for airliners but is much smaller — roughly the size of a paperback book. This product is intended for smaller autonomous cargo and urban air mobility (UAM) vehicles and adds stability and performance by driving flight controls electrically, without heavy hydraulics, control cables or push rods. Pipistrel's Nuuva V300 is a long-range, large-capacity, autonomous UAV. It will take off and land vertically with battery power, meaning it does not require a runway, and has significantly lower operating costs than helicopters. It can carry loads up to 300 kilograms (around 660 pounds) for more than 300 kilometers (around 186 miles), making it an ideal solution for deliveries to areas traditionally accessible only by helicopter.



#### FINANCIAL NEWS

## PIMCO and GECAS to create US\$3 billion aviation leasing investment platform

Investment Management PIMCO and GE Capital Aviation Services (GECAS), have reached a preliminary agreement to develop an aviation leasing platform to support up to US\$3 billion in aircraft asset financings. The transaction is subject to customary closing conditions and receipt of required regulatory approvals. This strategic investment platform will enable GECAS and PIMCO¬-advised accounts to acquire new and young fuelefficient aircraft to meet the needs of a diverse set of global airlines over many years. The platform looks to provide muchneeded financing for airlines which are looking to upgrade their fleets with young and new aircraft. The portfolio will initially focus on narrow-body aircraft while allowing flexibility to invest in attractive opportunities in the wide-body market. PIMCO and GECAS will consider a range of investment criteria including an airline's assets and credit quality and also geographic factors. PIMCO is already one of the world's largest investors in aviation-backed debt and its presence in aviation financing markets combined with GECAS' leadership role in the aircraft-leasing segment will provide this joint platform enormous flexibility to provide funding to the global airline industry. GECAS will source transactions for the platform, act as servicer and provide asset management services for the platform.

## IFS's recurring revenues up 41% for third-quarter 2020

IFS, the global enterprise applications company, has reported its financial results for the third quarter of 2020. The financial highlights reveal a strong business that continues its trajectory of hyper growth in areas such as cloud and service management software. The company's commitment to advancing its service management technology is projected to deliver north of 100% year-on-year growth in service license software revenue by year-end. IFS reported net revenue of SEK 5,111 million (US\$544 million), an increase of 12% versus the third quarter of 2019. Service management license revenue grew 86% versus the third quarter of 2019 and recurring revenue increased 4%, while Cloud revenue increased 59% versus 2019. In the third quarter, IFS's industry focus continued to pay dividends, with the aerospace and defense (A&D) business unit not only welcoming aircraft manufacturer De Havilland Canada to the family, but also

#### Air Transat chooses Avianor for maintenance service on Airbus A330

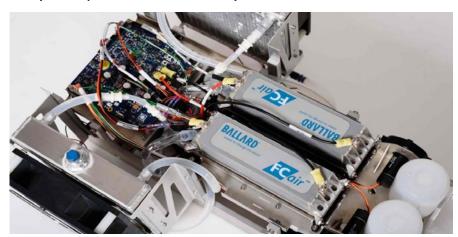


Air Transat Airbus A330

Photo: AirTeamImages

Avianor has been selected by Air Transat for a "C-check" maintenance visit on one of its Airbus A330 wide-body aircraft. This new collaboration demonstrates the airline's confidence in Avianor, an affiliate of DRAKKAR Aerospace and Ground Transportation, which became the company's majority shareholder in 2019, and a joint commitment to support the local and national aerospace industry during a challenging time for the entire sector. Avianor, a company specializing in MRO and cabin integration for commercial and military aircraft, has developed a high level of expertise in the market, with more than 900 maintenance visits on its roadmap. This new mandate allows the company to highlight its fields of expertise, with more than sixty technicians mobilized to deliver a high-quality product within the established deadlines.

#### **Honeywell acquires Ballard Unmanned Systems**



Ballard Unmanned Systems will strengthen and expand Honeywell's unmanned aerial systems and urban air mobility product portfolio *Photo: Honeywell* 

Honeywell has acquired assets from privately held Ballard Unmanned Systems, a wholly owned subsidiary of Southborough, Mass.-based Ballard Power Systems. Ballard Unmanned Systems designs and produces industry-leading, stored-hydrogen proton exchange membrane fuel cell systems that power unmanned aerial systems (UAS), particularly those used for energy inspection, cargo delivery, and other commercial and defense applications where demand for UAS services is growing. Honeywell is acquiring the key intellectual property, inventory and equipment of Ballard Unmanned Systems. Ballard's team of fuel-cell experts will also join Honeywell as part of the acquisition. "Adding Ballard Unmanned Systems to the Honeywell family is another example of our commitment to invest in the growing UAS segment," said Mike Madsen, president and chief executive officer, Honeywell Aerospace. "We can now begin producing top-quality, scalable power systems for our UAS customers and eventually adapt these systems for other future aerospace, defense and adjacent segment applications."

#### FINANCIAL NEWS

closing the largest-ever deal in the company's history with one of the sector's leading brands.

## American Airlines reports third-quarter net loss of US\$2.4 billion

American Airlines Group has posted its thirdquarter 2020 financial results, including third-quarter revenue of US\$3.2 billion, down 73% year-over-year on a 59% year-over-year reduction in total available seat miles (ASMs). American has reported third quarter pretax loss of US\$3.1 billion, excluding net special items, third quarter pretax loss of US\$3.6 billion. Third-quarter net loss was US\$2.4 billion, excluding net special items, thirdquarter net loss was US\$2.8 billion. American ended the third quarter with approximately US\$13.6 billion of total available liquidity. In addition, in October, the company increased its loan capacity by US\$2 billion through the CARES Act loan program to US\$7.5 billion. With this increase, the company's third-quarter pro forma liquidity balance is approximately US\$15.6 billion. American announced authorization to issue up to US\$1 billion of equity in an at-the-market offering to further bolster liquidity.

#### General Atomics Europe intends to take over RUAG Aerospace Services

General Atomics Europe GmbH (GA-E), the medium-size service and consulting company with stakes in eight subsidiaries, has announced its intention to acquire RUAG Aerospace Services (RUAG), formerly part of the Swiss technology group RUAG International. This will enable GA-E to expand its product and service portfolio to include the maintenance and repair of business aircraft and military helicopters, as well as the production and maintenance of the Dornier 228. GA-E intends to retain 450 RUAG staff that will result in the creation of a 1,000-strong technology group workforce. GA-E will also become one of the few companies in Germany to have all the necessary approvals for the development, production and maintenance of civil aircraft. Felix Ammann, Managing Director of RUAG Aerospace Services GmbH, said: "We are delighted to have found an experienced industrial partner in General Atomics Europe, which has the best pre-requisites to continue successfully the business activities at the Oberpfaffenhofen special airport. RUAG International's top priority is to lead the location and its 450 employees into a secure future."

#### Lufthansa Group reports preliminary results for the third quarter



Photo: Lufthansa Group

Due to an expansion of the flight schedule in the summer months of July and August, and considerable cost reductions, Lufthansa Group losses were reduced in the third quarter compared to the second quarter. On a preliminary basis, Adjusted EBIT in the third quarter was €1,262 million (previous year: €1,297 million). After nine months, the operating loss was €-4,161 million (previous year: €1,715 million). The Adjusted free cash flow for the first nine months of 2020 amounted to €-2,579 million (previous year: €685 million). In the third quarter, adjusted free cash flow was €-2,069 million (previous year: €416 million). Payments of €2.0 billion for corona-related flight cancellations were partly offset in the third quarter by cash inflows from the expansion of flight activities in July and August. The Group also benefited from strict working capital management and the postponement of tax payments. Net debt at the end of the third quarter was €8,930 million (December 31, 2019: €6,662 million). At the end of September, the Group had liquidity of €10.1 billion at its disposal. This figure includes undrawn funds from the €9 billion stabilization packages from Germany, Switzerland, Austria and Belgium. Out of those, €6.3 billion are still available. €1.00 = US\$1.18 at time of publication.)

#### Frontex selects Airbus and partner IAI for Maritime Aerial Surveillance



The maritime Heron RPAS from IA

Photo: Airbus

The European Border and Coast Guard Agency (Frontex) has awarded a contract to Airbus Defence and Space Airborne Solutions (ADAS), a 100% subsidiary of Airbus Defence and Space, and its long-term partner Israel Aerospace Industries (IAI) to operate a Medium Altitude Long Endurance (MALE) RPAS for Maritime Aerial Surveillance services. The service will be delivered in Greece, and/or Italy and/or Malta within a framework contract. The service includes the provision of an RPAS platform, payload, communication equipment and capacity, mission storage and all necessary experts managing the system and providing operational support. Under the contract, Airbus and IAI will provide the service for pre-planned assignments as well as for ad-hoc calls. The maritime Heron RPAS from IAI serves a range of customers worldwide and is a part of the well-known "Heron family" which has accumulated over 450,000 flight hours, on day and night missions under all weather conditions. The system is capable of flying more than 24 hours in full operational configuration and creates a comprehensive, real-time, naval picture in geographical areas for potential surveillance interests, e.g. in the context of coordinated European monitoring activities.

#### MILITARY AND DEFENCE

## MTU Maintenance Canada partners with GE Aviation to support US Air Force F108 engines

MTU Maintenance Canada, MTU's stronghold and competence center for military engine maintenance, will provide maintenance, repair and overhaul services for the United States Air Force's (USAF) F108 engines beginning in the fourth quarter of this year. MTU Maintenance will be partnering with GE Aviation on the five-year contract (oneyear base and four one-year option periods), taking responsibility for maintenance, repair and overhaul services. The F108 is the military variant of the CFM56-2 engine and powers the Boeing KC-135 Stratotanker refueling aircraft. USAF has over 300 of these aircraft and 1,500plus engines in its fleet. The -2 variant differs only slightly from the CFM56-3, for which MTU Maintenance has been carrying out MRO at its facility in Canada for over 15 years.

#### Boeing's Australian unmanned aircraft completes first taxi



Boeing Australia has completed the low-speed taxi test on its first Loyal Wingman unmanned aircraft

Photo: Roeina

The Boeing Loyal Wingman aircraft being developed with the Royal Australian Air Force (RAAF) recently moved under its own power for the first time, a key milestone for the aircraft that's expected to make its first flight this year. Reaching a maximum speed of 14 knots (approximately 16 mph, or 26 kph) on the ground, the aircraft demonstrated several activities while maneuvering and stopping on command. "The low-speed taxi enabled us to verify the function and integration of the aircraft systems, including steering, braking and engine controls, with the aircraft in motion," said Paul Ryder, Boeing Australia Flight Test manager. Three Loyal Wingman prototypes will be the foundation for the Airpower Teaming System that Boeing will offer customers worldwide. The aircraft will fly alongside other platforms, using artificial intelligence for such teaming missions. It has advanced design and flight characteristics, including a modular nose section that's customizable for specific needs and a conventional take-off and landing approach suitable for many missions and runway types.

#### INFORMATION TECHNOLOGY

Magnetic MRO, a Total Technical Care and Asset Management organization, has signed an extended Managed IT and Cloud services agreement with BTT Cloud. BTT Cloud is a managed IT services provider that has been operating successfully for more than a decade. Since the global pandemic hit the world in early 2020, the digitalization and role of well-balanced IT processes have increased significantly, thus, according to Magnetic MRO's representatives, such collaboration was a natural step. BTT Cloud has been a partner to Magnetic MRO since 2014 with an overall 13 years' experience in IT business. However, before this expanded agreement, BTT Cloud has mainly supported Vilnius-based users and related IT infrastructures. Now BTT Cloud will provide full-scope managed IT services to all employees across the Baltics and will take care of the whole IT and cloud infrastructure that drives all business-critical workloads. With this strategic partnership, Magnetic MRO aims to work further on standardizing its IT infrastructure and IT services while applying best practices and new technologies. This will enable business growth and provide employees with highquality, timely support which will allow Magnetic MRO teams to fully focus on their core activities and solutions that create more value to the business.



IFS Applications™ will be deployed in the cloud at De Havilland Canada's facilities in Toronto and will support operational processes

Photo: IFS

De Havilland Aircraft of Canada (De Havilland Canada) is rationalizing its application landscape and replacing 300+ legacy business applications with an extended enterprise resource planning (ERP) platform from IFS. IFS Applications™ will be deployed in the cloud at De Havilland Canada's facilities in Toronto and will support operational processes including sales and order management, manufacturing, materials management, procurement and finance, and aftermarket support. "We chose IFS because of its impressive qualifications in the global aerospace and defense sector as well as the comprehensive nature of its technology," said Anca Preda, Vice President, Information Technology, De Havilland Canada. "By unifying our entire operations on the IFS stack we will get full control and transparency across mission-critical processes including sales, project manufacturing, materials management, procurement, finance, all the way through to aftermarket service. All using out-of-the-box, fully integrated functionality. This is a significant investment by De Havilland Canada that will help us increase efficiency and effectiveness while offering even more value to our customers."



nair Photo: AirTeamImages

Finnair has completed the co-operation process started in September on its plans to reduce up to 1,000 jobs, to make other structural changes, and to implement additional temporary layoffs due to the impacts of the corona pandemic. Due to the dramatic market changes caused by the pandemic, Finnair will cut approximately 600 jobs in Finland. The redundancies will be implemented by the end of March 2021. The co-operation process concerned all Finnair employees in Finland except for cabin and cockpit crew, altogether 2,800 employees. Similar discussions have been held outside Finland, and redundancies outside Finland amount to approximately 100 jobs. In total, Finnair currently employs approximately 6,500 staff. In addition to the redundancies, Finnair will continue temporary layoffs impacting most of its employees in Finland. For many, the temporary layoffs may continue for a long time as the recovery of the aviation industry will take several years, according to industry estimates.

Alaska Airlines has added a jet service with the Embraer 175 aircraft in the state of Alaska, operated by regional partner Horizon Air. With the reduction of air service in Alaska earlier this year, the E175 jet gives Alaska Airlines the flexibility to increase daily frequency between Anchorage and Fairbanks, and to provide year-round service to King Salmon and Dillingham. At 76 seats, the E175 is the ideal size for many communities where larger jets are not the best option throughout the year. With no middle seats, the regional jet is configured with 12 seats in First Class, 12 in Premium Class and 52 in the main cabin.



Photo: Alaska Airlines



Photo: Cathay Pacific

As a result of the COVID-19 pandemic, Cathay Pacific has announced a corporate restructuring which will see a net job loss of approximately 5,900 employees and the axing of its wholly owned regional subsidiary, Cathay Dragon. The Group will be looking to obtain regulatory approval for Cathay Pacific and its other wholly owned subsidiary HK Express to operate the routes formerly covered by Cathay Dragon. Approximately 5,300 employees will be made redundant in Hong Kong, while a further 600 jobs will go from outside Hong Kong. In total approximately 8,500 positions will go from the Group, roughly 24% of the workforce, though a recruitment freeze and natural attrition will see the number of forced redundancies drop to 5,900. Additionally, Hong Kong-based cabin and cockpit crew members of Cathay Pacific

will be asked to agree to changes in their conditions of service which are designed to match remuneration more closely to productivity and to enhance market competitiveness. Executive pay cuts will continue throughout 2021 and a third voluntary Special Leave Scheme for non-flying employees will be introduced for the first half of next year. There will be no salary increases for 2021 nor the payment of the annual discretionary bonus for 2020 across the board for all employees. Cathay Pacific Chief Executive Officer Augustus Tang said: "The global pandemic continues to have a devastating impact on aviation and the hard truth is we must fundamentally restructure the Group to survive. We have to do this to protect as many jobs as possible and meet our responsibilities to the Hong Kong aviation hub and our customers. "Our immediate priority is to support those affected by today's announcement. We are deeply saddened to part ways with our talented and respected colleagues, and I want to thank them for their hard work, achievements and dedication."

#### **OTHER NEWS**

Aircraft Support Industries (ASI) has entered into a Memorandum of Understanding with North American Aerospace Industries (NAAI) for the development of three new, dedicated aircraft recycling facilities including the facility planned at the Global TransPark in Kinston, North Carolina, U.S.A. The other two facilities being constructed will be located at Al Ain International Airport in the Abu Dhabi, UAE and Clark International Airport in the Philippines. In providing its services ASI will rely on a phased-in project development approach. Phase one will focus on a customdesigned 30,000 m<sup>2</sup> dismantling hangar that can accommodate

three of the largest aircraft such as the A380. ASI will apply its proprietary stressed-arch building system along with a 7,500 m<sup>2</sup> annex for the construction of the 100-meter span hangar. The annex will be used to house the engineering support workshops and materials warehousing for the NAAI facility in the U.S.A. and facilities in the Middle East and Asia. Subsequent phases include for a twobay wide-body MRO hangar and a dedicated wide-body painting hangar.

Singapore Airlines (SIA) will return to New York on November 9, 2020, when it launches non-stop flights between Singapore and John F. Kennedy International Airport. Operating to JFK International Airport would allow Singapore Airlines to better accommodate a mix of passenger and cargo traffic on its services to New York in the current operating climate. SIA's non-stop services to New York would also be supported by the growing number of transfer passengers who can now transit via Singapore's Changi Airport. SIA also anticipates significant cargo demand from a range of industries based in the New York metro area, including pharmaceuticals, e-commerce, and technology firms. The new service will provide the only non-stop air cargo link from the U.S. Northeast to Singapore, which serves as a regional distribution hub for many major U.S.-based companies. The Airline will operate the Airbus A350-900 long-range aircraft on the route. This aircraft is configured with 42 Business Class, 24 Premium Economy Class and 187 Economy Class seats.

United Airlines has announced that it will be trialing a digital health pass on a flight between London Heathrow and Newark Liberty International, New Jersey, on October 21. The digital health pass aims to set a common international standard for COVID-19 test results, together with future vaccine records, in

#### **INDUSTRY PEOPLE**



Scott Collier

· Aircraft charter and specialist, leasing Air Charter Service, has appointed Scott Collier as Director of Aircraft Leasing EMEA. He brings with him more than 20 years' experience in the airline industry. Justin Bowman, Air

Charter Service's CEO, commented: "Scott has extensive experience across all areas of the industry, including tour operating and airline operations, as well as in the commercial sector and even running his own leasing company. His wealth of experience and expertise will be a huge asset for our team and, whilst the aircraft leasing industry is going through a tough time at the moment, this hire highlights ACS's commitment to the long term in terms of airline support."

• Expanding provider of aircraft parts and services for the commercial, governmental/

an attempt to encourage countries worldwide to open up their borders again to international travelers. The nonprofit initiative, known as CommonPass, is supported by the World Economic Forum and The Common Project, a Swiss-based foundation. "The goal of these trials is to demonstrate to governments that they can rely on someone getting tested in one country and present their credentials in another country," Paul Meyer, chief executive of The Commons Project, told Reuters news agency. Volunteers on the United flight will be observed by the U.S Centers for Disease Control and Prevention and they will upload COVID-19 test results from a certified lab to their smartphones and complete any required health screening questions to generate a verified QR (quick response) code that airline staff and border officials can scan. They will present the code, which can be printed for passengers without mobile devices, before departing and on arrival. The labs would verify a person's identity for the app, which is designed to protect personal data and privacy, said Meyer, who is in a dialogue with airlines and countries across the globe for the project. "The model only works if countries agree to trust health data from other countries," he added.



Andrew Newell

military and rotary aviation sector, Bii.aero (Bii) has appointed **Andrew** Newell as Sales Director. Newell brings highly specialized expertise the aircraft interiors sector and is tasked with

setting up a new center of excellence at Bii. Management of consignment stock is another area of focus for Newell as Bii's warehousing and logistics management is increasingly utilized by third parties seeking flexible support partners. Prior to joining Bii, Newell was Vice President/ Accountable Manager of Leki Aviation with global responsibility for the sale of all aftermarket materials and the creation and development of 25 Repair Centre/Leki Tech that specialized in the repair of electronic and mechanical cabin equipment.



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







#### **Commercial Jet Aircraft**

Aircraft Type A319-100 A319-100 A319-100 A319-100 A319-100 A319-100 A320-200	Company DVB Bank DVB Bank ALTAVAIR BBAM	Engine CFM56-5B63 V2522-A5 CFM 56-5B6/P	MSN 3586 2375	Year 2008 2005	Available Q3/2020	Sale / Lease Lease	Contact  Jonathan Louch	Email aircraftsales@dvbbank.com	Phone +44 207 256 4449
A319-100 A319-100 A319-100 A319-100 A319-100 A320-200	DVB Bank ALTAVAIR	V2522-A5				Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-100 A319-100 A319-100 A319-100 A320-200	ALTAVAIR		2375	2005	00/0000				
A319-100 A319-100 A319-100 A320-200		CFM 56-5B6/P			Q3/2020	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-100 A319-100 A320-200	BBAM			1999	Oct 2020	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
A319-100 A320-200		CFM56-5B5/P	2129	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A320-200	BBAM	CFM56-5B5	2249	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
	BBAM	CFM56-5B5/P	1362	2000	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
	BBAM	V2527-A5	2587	2005	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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	DVB Bank	V2527-A5	3734	2009	Q3/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-200	DVB Bank	V2527-A5	2164	2004	Q3/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-200	GA Telesis	V2527-A5	475	1994	Q4/2020	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A320-200	GA Telesis	V2527-A5	500	1994	Q4/2020	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A320-200	GA Telesis	V2527-A5	503	1994	Q4/2020	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A320-214	DVB Bank	CFM56-584/3	3767	2009	Q1/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-230	DVB Bank	V2527-A5	4552	2010	Q3/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-230	DVB Bank	V2527-A5	2395	2005	Q3/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-200	ORIX Aviation	Trent 772B-60	1306	2012	Now	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A330-200	DVB Bank	CF6-80E	814	2007	Q4/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-200	GA Telesis	CF6-80E1A4	510	2002	Now	Sale	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A330-200 (2x)	ALTAVAIR	CF6-80E1A4B	various	2008	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
A330-200 (16x)	ALTAVAIR	Trent 772B-60/16	various	05-14	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
A330-200	Doric	Trent 772B-60/16	1407	2013	Q1/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-200	Doric	CF6-80E1A4/B	883	2007	Q1/2021	Sale	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-200	Presidio Aircraft Leasing	CF6-80E1A3	871	2007	Now	Dry / ACMI	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
A330-200	Presidio Aircraft Leasing	CF6-80E1A3	472	2002	Now	ACMI	Stephen Haire	shaire@aelfinc.com	+1 3127721613
A330-200	Presidio Aircraft Leasing	CF6-80E1A3	700	2005	Now	Dry / ACMI	Stephen Haire	shaire@aelfinc.com	+1 3127721613
A330-223	Presidio Aircraft Leasing	PW4168A	970	2008	Now	Dry / ACMI	Stephen Haire	shaire@aelfinc.com	+1 3127721613
A330-300 (6x)	ALTAVAIR	Trent 772-60/19	various	09-11	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
A330-300	BBAM	Trent 772B-60	1562	2014	Sep 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	Trent 772B-60	1609	2015	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	PW4168A	403	2003	Sep 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	DVB Bank	Trent 772B-6	1146	2010	Q4/2020	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-700	BBAM	CFM56-7B22	38125	2011	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	CFM56-7B22	38126	2011	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	CFM56-7B22	38127	2011	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	CFM56-7B20	32414	2002	Feb 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	CFM56-7B20/3	35150	2009	Dec 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800	DVB Bank	CFM56-7B27	30654	2003	Q1/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B26E	40880	2012	Q1/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B26	30294	2012	Q4/2020	Sale	Jonathan Louch	aircraftsales@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	ORIX Aviation	CFM56-7B26	34153	2005	Q1/2021	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ALTAVAIR	CFM56-7B26	27985	2000	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
B737-800	ALTAVAIR	CFM56-7B26	28382	2000	Oct 2020	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
B737-800	BBAM	CFM56-7B26	28595	1999	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800 B737-800SF	GA Telesis	OF IVIOU- / DZ0	32903	2002	Q4/2020	Sale / Lease	Mauro Francazi		+1-954-676-3111
B737-800SF B737-900	BBAM	CFM56-7B26/3	34953	2002	Dec 2020	Sale / Lease	Steve Zissis	aircraft@gatelesis.com info@bbam.com	+1-954-676-3111
B777-300ER	Doric Doric	GE90-115BL1 GE90-115BL2	35592 36158	2009	Q2/2021 Q2/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com maurick.groeneveld@doric.com	+49 (0)69 247559931
	DONG			2009	Q2/2021 Q1/2021	Sale / Lease	Maurick Groeneveld  Jonathan Louch	aircraftsales@dvbbank.com	+49 (0)69 247559931
B777-300ER B777-300ER	DVB Bank	GE90-115B	37705						+44 207 256 4449











Regional	Jet /	Turbor	oron	Aircraft
IXCHIOITAL	OCL /	I UI DO	JIUD	AllClait

Regional J	iet / Turboprop Air	cran							
Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
ATR72-600	AELIS Group	PW127N	1172	2014	Now	Sale	Mirka Tomasovicova	contact@aelisgroup.com	+42 1911973118
ATR72-600	AELIS Group	PW127N	1196	2014	Now	Sale	Mirka Tomasovicova	contact@aelisgroup.com	+42 1911973118
ATR72-600	AELIS Group	PW127N	1199	2014	Now	Sale	Mirka Tomasovicova	contact@aelisgroup.com	+42 1911973118
ATR72-600	AELIS Group	PW127N	1231	2015	Now	Sale	Mirka Tomasovicova	contact@aelisgroup.com	+42 1911973118
CRJ-200LR	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	-1(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10205	2005	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	-1(305) 759-0670 Ext.164
D0328 Jet	Regional One	PW306B	3185	2001	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	-1(305) 759-0670 Ext.164
ERJ170-100LR	Regional One	CF34-8E5	17000123	2006	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	-1(305) 759-0670 Ext.164
ERJ-145LR	Regional One	AE3007A1	145304	2001	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	-1(305) 759-0670 Ext.164
ERJ-145LR	Regional One	AE3007A1	145331	2000	Now	Sale / Lease	Andre Boudreaux	Aboudreaux@regionalone.com	-1(305) 759-0670 Ext.164
Commerci	al Engines								
Multiple Types	ai ziigiiioo	Sale / Lease		Comp	any		Contact	Email	Phone
	GE / CFM / RB211	Now - Sale / Leas	e		S Engine Lea	sing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
AE3007 Engines		Sale / Lease		Comp			Contact	Email	Phone
(3) AE3007A1P		Now - Sale/Lease	Exch.		nal One		Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
CF34 Engines		Sale / Lease		Comp			Contact	Email	Phone
CF34-8E5		Now - Lease			nsa Technik A	AFRO Alzev	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E		Now - Lease		Luitiiu	inou recinine	LITO / IIZO	rui Ebuon	S	149-0731-497-300
CF34-8C		Now - Lease							
CF34-3B1		Now - Sale							
CF34-3A		Now - Sale / Leas	Δ.						
(2) CF34-8C5B1		Now - Sale / Leas		Pegio	nal One		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) CF34-3B1		Now - Sale / Leas		rtegioi	nui One		Migdel Bollval	mbonvar@regionarone.com	1 (100) 020 0000
(2) CF34-10E6		Now - Lease		DASI			Joe Hutchings	joe.hutchings@dasi.com	+1 954-478-7195
(1) CF34-3B1 (du	ial release tan)	Now - Sale		FL Te	chnics		Modestas Valiuševičius	m.valiusevicius@fltechnics.com	+370 6 54 96179
(3) CF34-10E Now - Lease			Willis			Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950	
(1) CF34-8E5A1		Now - Lease			lan Aviation G	Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(1) CF34-8C5A1		Now - Lease		3		•	D 1 0.y.	zpory.@ago.ia.i.groupot	11 (104) 004 02048202
(2) CF34-10E6		Now - Lease		Engine	e Lease Finan	ice	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
CF34-8E(s)		Now - Sale / Leas	e		S Engine Lea		Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
CF6 Engines		Sale / Lease		Comp			Contact	Email	Phone
(1) CF6-80C2B7F	:	Now - Sale / Leas	e	GA Te			Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF6-80E1A3		Now - Sale / Leas		0, 1, 10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Lado Wojo.	on of or was a construction of the constructio	11-304-010-0111
(1) CF6-80E1A4E	3	Now - Sale / Leas							
(3) CF6-80E1A4E		Now - Sale/Lease		ALTA\	VAIR		Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(2) CF6-80E1	-	Now - Lease		DVB E			Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(1) CF6-80E1A4E	3	Oct 2020 - Sale / I	ease	Castle			Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(2) CF6-80E1A3		Now - Lease			lio Aircraft Lea	asing	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
(1) CF6-80C2B1F	(full QEC)	Now - Lease			Aviation LLC		Tom McFarland	tmcfarland@ftaiaviation.com	+1 786 785 0787
CFM Engines	( /	Sale / Lease		Comp			Contact	Email	Phone
(2) CFM56-5B	(all thrust levels)	Now - Sale / Leas	e	Contra	ail Aviation		Kevin Milligan	kevin@contrail.com	+1 949-933-0797
(2) CFM56-7B	(all thrust levels)						Ü	J	
(1) CFM56-5C4	,	Now - Lease		Presid	lio Aircraft Lea	asing	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
(1) CFM56-5B4/F	(full QEC)	Now - Lease		FTAI A	Aviation LLC		Tom McFarland	tmcfarland@ftaiaviation.com	+1 786 785 0787
(1) CFM56-5B5/F	` '	Now - Lease						_	
(1) CFM56-5B8/F		Now - Lease							
(2) CFM56-7B26		Now - Lease							
(1) CFM56-7B24	,	Now - Lease							
(1) CFM56-7B22	(with QEC)	Now - Lease							
(2) CFM56-7B24/	· · · · · · · · · · · · · · · · · · ·	Now - Lease		Willis	Lease		Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CFM56-5B4/3		Now - Lease							(22.) 2.2 3000



Now - Lease

Now - Lease

Now - Lease

Now - Lease

(1) CFM56-5C4/P

(1) CFM56-5C

(1) CFM56-7B224/E

(1) CFM56-7B27/B3





Commer	cial En	agnin	(cont.)
COIIIIIIEI	Ciai Lii	yiiic3	(COIIL.)

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 PIP	Now - Lease	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(4) CFM56-7B26	Now - Sale / Lease	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(2) CFM56-5B6/P	Now - Sale / Lease				
(2) CFM56-7B26	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(5) CFM56-5B5/P	Now - Sale / Lease				
(2) CFM56-7B22	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(multiple) CFM56-5B	Now - Sale / Lease	CFM Materials	Jimmy Hill	jimmy.hill@cfmmaterials.com	+1 469-628-3756
(multiple) CFM56-7B	Now - Sale / Lease				
(2) CFM56-7B26/E	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/3	Now - Lease	· ·	ŭ		
(1) CFM56-7B24/E	Now - Lease				
(1) CFM56-5B3/3	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5B2/P	Now - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-5B4/P	Now - Sale / Lease	Gasticiano	otdart MacOregor	otaart.maogregor@oaoticiarc.com	144 207 100 0100
(1) CFM56-7B22	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CFM50-7B22 (1) CFM56-7B26	Now - Sale / Lease	GA Telesis	Eddo Weijei	eweljel@gatelesis.com	+1-934-070-3111
(1) CFM56-5B4/P	Now - Sale / Lease Now - Lease	Magellan Aviation Group	Dill Date	hill and in Our and Harrison and	. 1 (70.1) 50.1 000.1 000
(2) CFM56-7B26/27		Magellari Aviatiori Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(2) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B4/P	Now - 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) GE90-115BL1	Now - Sale/Lease/Exch.	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(1) GE90-115BL (Propulsor)	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(1) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) LEAP-1A33	Now - Lease				
(1) LEAP-1A32	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) LEAP-1A26	Now - Lease				
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) PW4168A	Now - Lease	Presidio Aircraft Leasing	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
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
(1) PW123B/E	Now - Sale / Lease				,
(3) PW127E/F/M	Now - Sale / Lease				
(1) PW150A	Now - Sale / Lease				
(1) PW123	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(3) PW150A	Now - Sale/Lease/Exch.		Bavia Boodaiiioio	.cac.i.g@ wiiicicacc.com	1 (001) 010 0000
(3) PW127M	Now - Sale/Lease/Exch.				
PW119B RGB	Now - Lease	Lufthanas Tashnik AFDO Alzay	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
		Lufthansa Technik AERO Alzey	Nai Ebacii		+49-0731-497-300
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) PW120A	Now - Sale / Lease	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) PW120	Now - Sale/Lease/Exch.				
(1) PW123E	Now - Sale/Lease/Exch.				
(4) PW126	Now - Sale/Lease/Exch.				
(1) PW121	Now - Sale/Lease/Exch.				
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PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(2) PW123	Now - Sale	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) PW120 / PW121	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610
RB211 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) RB211-535E4	Sep 20 - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(2) Trent 772B-60	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) Trent-556	Now - Sale/Lease/Exch.				
(1) Trent XWB-84k	Now - Lease				
(8) TRENT 772-60/16	Now - Sale / Lease	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(1) Trent772B-60	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) Trent 892B-17	Now - Sale	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
(1) Trent 892B-17	Now - Sale / Exchange				
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) V2527-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(2) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2530-A5	Now - Lease				
(2) V2527-A5	Now - Lease				
(1) V2527E-A5 (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiaviation.com	+1 786 785 0787
(1) V2527-A5	Now - Lease	· · · · · · · · · · · · · · · · · · ·			11700 700 0701
(2) V2522-A5	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(2) V2527-A5	Now - Lease	5 v 5 Baim	Condition Educit	an or arrow 2006 a 132 anni 2011	144 207 200 4440
(2) V2527-A5	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204
(3) V2533-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) V2533-A5	Now - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
Aircraft and Engine Parts, Co			Eddo Weijei	eweijei@gateiesis.com	+1-954-070-3111
Description	omponents and wisc	Company	Contact	Email	Phone
(1) GTCP331-500B	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules	Now - Sale / Exchange	Centaurus Services/MASB	raui billiavas	paul.bitilavas@centaurus.services	+01 400 309 241
	Nov. Oala	0-410	David Obainande	devide et e e e e	
(2) GTCP331-200ER, (2) GTCP131-9A,	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) GTCP131-9B					
(1) A321 Enhanced Landing Gear 2020 OH	Name Cala	OFM Matarials	Mishaal Asallasa	Michael Angliana Gafarra ataniala anno	
Neutral CFM56-7B QEC Kit	Now - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
Landing gear shipsets	Now - Sale	GA Telesis	Danielle Rodon	landinggearsales@gatelesis.com	+1 954 865 9314
737-800, 777, A320, A330					
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	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(1) APU T-62T-40C	Now - Sale	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) GTCP131-9B	Now - Sale / Lease	DASI	Chris Glascock	Chris.Glascock@dasi.com	+1 954-801-3592
(2) GTCP131-9A, (1) GTCP131-9B, (1) GTCP3		GA Telesis	John Wales	apu@gatelesis.com	+1-417-622-7215
				. 20	/2/
(1) GTCP331-200ER, (1) APS3200. (1) GTCP3	331-500				
(1) GTCP331-200ER, (1) APS3200, (1) GTCP3 Engine stands: CF6-80C2, CFM56-3, CFM56-5			Stephen Toutt	stands@gatelesis.com	+1-954-676-3111
Engine stands: CF6-80C2, CFM56-3, CFM56-5	, CFM56-7, PW4000	Willis Lease	Stephen Toutt Jennifer Merriam	stands@gatelesis.com	+1-954-676-3111 +1 (561) 349-8950
Engine stands: CF6-80C2, CFM56-3, CFM56-5 (1) APU GTC131-9A, (1) APU GTC131-9B	, CFM56-7, PW4000 Now - Sale / Lease	Willis Lease	Stephen Toutt  Jennifer Merriam	stands@gatelesis.com leasing@willislease.com	+1-954-676-3111 +1 (561) 349-8950
Engine stands: CF6-80C2, CFM56-3, CFM56-5	, CFM56-7, PW4000	Willis Lease  Lufthansa Technik AERO Alzey			