

Weekly Aviation Headline News

WORLD NEWS

Menzies Aviation and Qatar Airways announce cargo agreement

Menzies Aviation, the global aviation logistics specialist, and Qatar Airways Cargo have announced a new long-term agreement to provide cargo handling, freighter aircraft handling and cargo transportation to and from aircraft at London Heathrow Airport. The move is part of a joint approach to develop Qatar Airways Cargo's global network handling partnership programme. Menzies will be enhancing its delivery and collection process for the forwarding and trucking community as part of the agreement.

LOT Polish to launch Warsaw to Dublin operation

Commencing from August 23, the Polish flag carrier LOT will start scheduled flights on the Warsaw-Dublin route. Connections from Warsaw Chopin Airport to Dublin will be operated four times a week by a Boeing 737-800 NG aircraft. LOT is gradually restoring regular European destinations to its flight network. Since July 15, passengers are able to travel again to London, Berlin, Prague, Kyiv, Frankfurt, Hamburg, Milan, Geneva, Istanbul, Belgrade, and Tallinn.

Alitalia resumes Rome to Boston service

Alitalia has resumed direct services between Rome and Boston in the United States. The service to Boston is in addition to services to New York, resumed in early June, and will be operated three times a week. All passengers are also required to complete a self-certification form before boarding, which certifies that they have not had close contact with people diagnosed with Covid-19. Face masks are also a requirement.



BA's 31 747-400s will now be retired.

Photo:
British Airways

Fit for a Queen

British Airways says farewell to 747

British Airways is the latest carrier to announce the immediate withdrawal of its 31 iconic 747-400 "Queen of the Skies" aircraft from active service as a direct consequence of the Covid-19 impact on aviation. The aviation sector is reeling from the effects of the pandemic and full market recovery especially for long haul travel is not expected for another three to four years.

Alex Cruz, British Airways' Chairman and CEO, said: "This is not how we wanted or expected to have to say goodbye to our incredible fleet of 747 aircraft. It is a heart-breaking

decision to have to make. So many people, including many thousands of our colleagues past and present, have spent countless hours on and with these wonderful planes – they have been at the centre of so many

"It is sadly another difficult but necessary step as we prepare for a very different future."

Alex Cruz, British Airways' CEO

memories, including my very first long-haul flight. They will always hold a special place in our hearts at British Airways.

"We have committed to making our

fleet more environmentally friendly as we look to reduce the size of our business to reflect the impact of the Covid-19 pandemic on aviation. As painful as it is, this is the most logical thing for us to propose. The retirement of the jumbo jet will be felt by many people across Britain, as well as by all of us at British Airways. It is sadly another difficult but necessary step as we prepare for a very different future."

BA's first 747 entered service in 1971 with the London to New York service and subsequently, the modified and upgraded 747-400

Continued on page 3

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entered the fleet in July 1989. The fuel -guzzling 747s were slowly being phased out by British Airways as they reached the end of their working life to help meet the company's commitment to net zero by 2050. The airline has invested heavily in new, modern long-haul aircraft including six A350s and 32 787s which are around 25% more fuel-efficient than the 747. The 747s are currently grounded at various locations in the UK.

Virgin Atlantic also announced the permanent grounding of its seven 747-400s in May under similar circumstances.

Earlier this month Qantas too announced a programme of events to farewell its last remaining Boeing 747 and provide Australians the opportunity to say goodbye to the much loved 747 ahead of its retirement from the national carrier's fleet.

Due to Australia's geographical location, the 747 has played a critical role in the airline's long operation since first joining the fleet in 1971. Qantas 747 Fleet Captain Owen Weaver said the 747 has a special place in the hearts of many Australians. "The 747 has been a magnificent aircraft and it's fitting that we celebrate the end of five decades of history-making moments for the national carrier and aviation in Australia," Captain Weaver said.



Qantas first introduced its 747s in 1971.

Photo: Qantas

The final 747-400 in the Qantas fleet will depart Sydney on 22 July 2020 as flight QF7474.

AIRCRAFT & ENGINE NEWS

Hawker Pacific delivers special missions capability to New Zealand

Hawker Pacific, a Jet Aviation Company, has successfully delivered its final mission-focused Beechcraft King Air 350 to the New Zealand Defence Force (NZDF). The new multi-engine KA350 aircraft will begin service with a focus on new aircrew training. Accepting the aircraft on behalf of the New Zealand Government was the Hon. Ron Mark, Minister of Defence. Under a ten-year agreement with the NZDF, Hawker Pacific is responsible for acquisition, modification and delivery of four multi-functioned, mission-focused King Air 350 (KA350) aircraft. It is also charged with delivering transport and training systems through real in-flight and virtual methods, and supporting these with a ground base training system, including engineering and logistics support, for use by the Royal New Zealand Air Force (RNZAF) at Base Ohakea.

GA Telesis concludes purchase of eight PW4056 engines from Delta Material Services

GA Telesis (GAT) has concluded the purchase of eight Pratt & Whitney PW4056-3 engines from Delta Material Services (DMS), all of

which were last operated by Delta Air Lines (DAL). The transaction was concluded by the Component Solutions Group (CSG), whereas the engines will be immediately inducted for disassembly and repair. Upon completion, the used serviceable material (USM) will be

made available to GA Telesis' airline and MRO customers worldwide within the next three months.

Orders and deliveries – Boeing and Airbus

Airbus v Boeing: Orders and Deliveries

June 2020 YTD

Airbus			Boeing		
Type	Orders	Deliveries	Type	Orders	Deliveries
A220	42	11	737	-794	9
A320 Family	257	157	747	-4	1
A330	-5	5	767	9	14
A350	4	23	777	-12	10
A380	0	0	787	17	36
Total	298	196	Total	-784	70

Source: Airbus

Source: Boeing

In June, Airbus delivered 36 aircraft from the A220, A320 and A350 XWB aircraft families. The company registered no new orders in June.

Boeing generated one order in June from FedEx for a 767-300F. Boeing delivered 10 aircraft including 787s to British Airways and Westjet.

FLOW OF FUNDS



Leveraged
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Helvetic Airways E190-E2 aircraft

Photo: AirTeamImages

Helvetic Airways upgrades Embraer E2 order

Helvetic Airways has signed a commitment with Embraer to convert four of its 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-E2s, 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, with the majority in the first half of 2021. The remaining firm order for the seven aircraft to be delivered has a value of US\$480 million, based on current list prices. With all the purchase rights being exercised, the deal has a list price of US\$1.25 billion.

Nordic Aviation Capital delivers one ATR 72-600 to Windrose Aviation Company

Nordic Aviation Capital (NAC) has confirmed the delivery of one ATR 72-600 aircraft, MSN 1262, to Windrose Aviation Company on lease. Founded in 2003, Windrose Aviation received an operator's certificate in 2007 and began operating charter flights under the brand name "WINDROSE Airlines". Today Windrose is one of the leading companies of tourist air traffic in Ukraine with a market share of 21%, according to the State Aviation Service of Ukraine. In 2019, Windrose transported 1.4 million passengers, making 28 flights a day on average.



Windrose ATR 72-600 aircraft

Photo: AirTeamImages



Airbus Helicopters H160 helicopter

Photo: Eric-Raz

Airbus Helicopters wins order for latest ACH160 helicopter

Airbus Corporate Helicopters (ACH) has won a new order for its latest ACH160 helicopter, announced just days after the H160 achieved certification. This new order, placed by an experienced Italian operator for use on private and corporate flights mainly inside Italy, means the ACH160 has been ordered by customers in eight countries across North America, Latin America, Europe, China and South-East Asia. The client, an existing ACH twin-engine helicopter operator, has specified a customized interior configured for six passengers. The ACH160 is the premium version of the new H160 helicopter which was certified by the EASA on July 1, ready for deliveries to private and business customers commencing later this year.



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MRO & PRODUCTION NEWS

GA Telesis MRO Services Group signs E-Jet support and services agreement with Liebherr-Aerospace

GA Telesis' MRO Services Group has entered into an agreement with Liebherr-Aerospace for material support and maintenance services for the E-Jet Family of aircraft. Under this agreement, the company will receive technical support and original OEM materials to repair and overhaul landing gears for operators in the Americas. Landing gear repairs and overhauls for this aircraft type will be carried out in the MRO Services Miami facility located across from Miami International Airport. MRO Services Group has an experienced team of technicians that has previously worked on the E-Jet Family landing gears. GA Telesis' MRO Services Group began landing gear overhauls in 2019 and has entered into several contracts to perform overhaul and repairs. "This agreement is another step in the evolution of GA Telesis's strategic alignment with OEMs to provide superb quality at a sensible cost to our customers," said Pastor Lopez, President MRO Services. "It is now more important than ever to continue to support the aviation industry with diversified products and services that meet their new cost reality," added Lopez.

Lilium and Toray Industries sign supply partnership

Lilium, a German aerospace company developing the all-electric Lilium Jet, and Toray Industries, a leading manufacturer of carbon fiber, have signed an agreement for the supply of higher-performance carbon fiber composite. The Lilium Jet is a five-seat, emissions-free aircraft that can take off and land vertically and is designed to provide



Photo: Lilium composites

high-speed regional connections of up to 300km in under 60 minutes. The aircraft's primary structures, such as the fuselage, wings and flaps will all be made from carbon fiber. Toray Industries is recognized as a global leader in aerospace materials and its carbon fiber products played a critical role in the success of the Boeing 787 Dreamliner. "Securing this supply agreement marks an important step in the maturity of our supply chain and in our preparations for serial production," commented Daniel Wiegand, co-founder and CEO at Lilium. In the first instance, the material will be supplied directly to Lilium for use in the production of further technology demonstrators, before being delivered directly to suppliers who will manufacture parts for prototypes and serial production. The agreement also paves the way for further collaboration between the two companies, both in the provision of other high-performance materials and the establishment of research and development partnerships.

AAR continues successful partnership with Unison Industries

AAR, one of the leading providers of aviation services to commercial and government operators worldwide, and Unison Industries (Unison) have jointly announced the expansion and extension of the longstanding partnership as the exclusive worldwide aftermarket distributor for Unison Industries' aviation, aerospace, military, civil and land vehicles products. The agreement adds new material content to include

new product introduction spanning multiple aircraft platforms. As exclusive distributor, AAR will be responsible for developing customized sales strategies and marketing campaigns, executing growth plans, forecasting, warehousing and performing aftermarket product distribution services of Unison Original Equipment Manufacturer (OEM) replacement parts. In addition, AAR will provide 24/7 Aircraft-On-Ground (AOG) call center support to deliver rapid-response services to customers using

Unison products in the aviation aftermarket. Components covered by the program include turbine ignition systems, engine-dedicated alternators, sensors, switches, wiring harnesses, bellows and metal tubing/ducting consumed by commercial and military aircraft operators, maintenance repair and overhaul facilities and other industry customers, worldwide. The agreement also includes repair services management backed by AAR's supply chain and customer support network.

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MRO & PRODUCTION NEWS

FAI Technik appointed as Honeywell Channel Partner

FAI Technik GmbH, the maintenance division of Germany's FAI Aviation Group, has been appointed as an authorized Channel Partner for Honeywell Aerospace. The agreement allows FAI to supply and service Honeywell avionics parts and systems. It covers all Honeywell Aerospace business aviation avionics products including its range of connectivity solution and services, cockpit and cabin upgrades. As a Channel Partner, FAI Technik will be able to offer detailed Honeywell system upgrades, installation solutions, EASA and STC (Supplemental Type Certificates) certification as well as Honeywell parts. Additionally, as part of the global Honeywell network, FAI will collaborate with the global aerospace manufacturer to develop marketing strategies, identify business opportunities and bring the best value to customers. This latest appointment will further expand FAI's offering and facilitate faster installation times for customers owing to improved supply chains. FAI

FINANCIAL NEWS

SR Technics secures additional funding – consolidates services now offered

SR Technics, a leading provider of MRO solutions for aircraft, engines, components, engineering and training, has announced it has secured a CHF120 million (US\$127 million) additional credit line from its existing consortium of banks, supported by 60% surety by the Swiss Confederation. Having posted results that exceeded expectations for Q1 2020, growth collapsed in April as a consequence of the COVID-19 pandemic, so the company immediately adopted cash-preserving measures. With this additional line of credit, SR Technics has now chosen to review the wide array of services available and, as a result, will focus on engine services and line maintenance. According to SR Technics, this main business will be complemented with a range of additional services provided by independent subsidiaries, ensuring a stronger and sustainable company ready to support its customers. By the end of 2020 the company also expects to have ceased the provision of design engineering solutions and will have restructured its flight-hour-based component services, progressively reducing it, while concentrating more on component repairs and trading activities. "In this competitive and dynamic MRO market, this repositioning of SR Technics as a Swiss quality brand with highly skilled employees is a necessary step to ensure long-term sustainability and to provide added value to our customers, focusing on engine

Czech Airlines Technics signs new base maintenance agreement with Finnair



Finnair Airbus A320 at Prague Airport

Photo: CSAT

MRO provider Czech Airlines Technics (CSAT), has signed a new base maintenance agreement with Finnair, one of CSAT's major customers within this division. The long-term co-operation contract was entered into for three years with an option for an additional three years. CSAT will thus continue to provide base maintenance checks

and repairs for the carrier's Airbus A320 Family fleet at Václav Havel Airport Prague in the following period. The base maintenance agreement governs the complex performance of all planned checks and repairs with the possibility of additional modifications of the aircraft cabin. Last year, CSAT successfully completed a two-year cabin modification and Wi-Fi network installation project for Finnair's Airbus narrow-body aircraft. Throughout the course of the project, CSAT employees completed the cabin modification and connectivity installation on 24 of Finnair's aircraft. As a result, all aircraft feature new cabin configurations and layouts, and Finnair customers now have complimentary on-board internet access during their flight.

Virgin Atlantic reaches major milestone towards securing its future



Virgin Atlantic

Photo: AirTeamImages

Virgin Atlantic has taken a big step forward in securing its future, by launching a court-backed process as part of a solvent recapitalization of the airline and holiday business, with a restructuring plan that, once approved and implemented, will keep Virgin Atlantic flying. The restructuring plan is based on a five-year business plan, and with the support of shareholders, Virgin Group, and Delta, new private investors and existing creditors, it paves the way for the airline to rebuild its balance sheet and return to profitability from 2022. The recapitalization will deliver a refinancing package worth £1.2 billion over the next 18 months in addition to the self-help measures already taken, including cost savings of £280 million per year and £880 million rephasing and financing of aircraft deliveries over the next five years. Shareholders are providing £600 million in support over the life of the plan including a £200 million investment from Virgin Group, and the deferral of £400 million of shareholder deferrals and waivers. Virgin Atlantic welcomes new partner Davidson Kempner Capital Management LP, a global institutional investment management firm which is providing £170 million of secured financing. Creditors will support the airline with over £450 million of deferrals. The airline continues to have the support of credit card acquirers (Merchant Service Providers) Lloyd's Cardnet and First Data. To secure approval from all relevant creditors before implementation, the restructuring plan will go through a court-sanctioned process under Part 26A of the Companies Act 2006 (the restructuring plan). With support already secured from the majority of stakeholders, it is expected that the restructuring plan and recapitalization will come into effect late summer 2020. (£1.00 = US\$1.26 at time of publication.)

FINANCIAL NEWS

services and line maintenance,” said Jean-Marc Lenz, Chief Executive Officer, SR Technics.

Delta posts US\$5.7 billion quarterly loss as it cuts projected flight increases by 50%

As the COVID-19 pandemic shows no sign of receding and numbers of reported cases increasing in over 35 U.S. states, the uncertain demand for future air travel has seen Delta Air Lines (Delta) halve its anticipated 1,000 flight increase for the month of August to just 500 flights. Having posted a net quarterly loss of US\$5.8 billion, it's worst result since 2008, and currently operating at a cash burn rate of approximately US\$27 million on a daily basis, the U.S. carrier, which is the world's second-largest carrier by number of scheduled passengers carried, revenue passenger-kilometers flown and fleet size, had 19 months of liquidity and US\$15.7 billion at the end of the second quarter. Normal daily cash burn for the carrier stood at approximately US\$100 million.

“Demand has stalled as the virus has grown, particularly down here in the South, across the Sun Belt, coupled with the quarantine measures that are going in place in many of the Northern states,” CEO Ed Bastian told CNBC's ‘Squawk Box.’ “Those two factors are causing consumers to pause.” On the subject of corporate travel, which Delta heavily relies on, Bastien doesn't anticipate that: “we'll ever get back entirely to where we were in 2019 on the volume of business traffic,” adding: “I do think there's a lot of inefficiency, which we can all appreciate in business travel,” he said. “The international trips that we've all been on where we've flown over to Europe for a two-hour meeting and flown back that does nothing but beat you up, and you'd certainly be much easily better accommodated over a video call.” Delta's revenue in the quarter ended in June fell 88% from a year earlier to US\$1.47 billion, marginally above analysts' estimates. While the US\$25 billion of federal coronavirus aid prohibits Delta from laying off any employees before October, already 17,000 employees have signed up for voluntary redundancy as the carrier looks for ways to reduce its payroll. The carrier has also been badly hit with both Aeromexico and LATAM, airlines in which Delta has substantial stakes of US\$770 million and US\$1.1 billion respectively, recently filing for bankruptcy protection.

airBaltic succeeds in securing €250 million in new equity

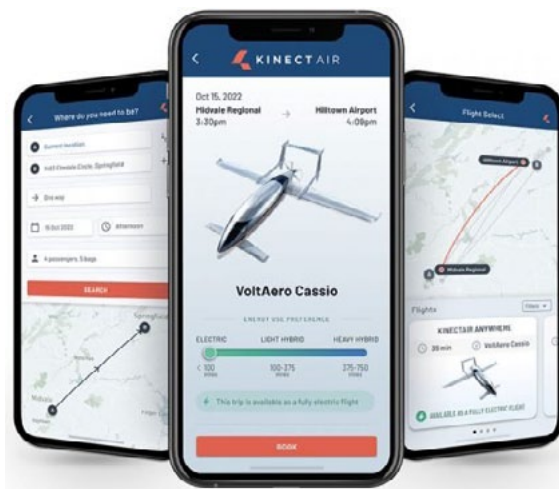
Shareholders in Latvia's carrier airBaltic have approved a €250 million (US\$285 million) investment by the Republic of Latvia in order to

INFORMATION TECHNOLOGY

Sault College and **WinAir** have partnered together to fully implemented WinAir Version 7 – the latest and fully web-based release of WinAir's aviation management software – for the College's School of Aviation. The software provides an aviation maintenance solution for supporting the daily operations at the College's flight school. This decision to collaborate with WinAir led to a remarkably simple product implementation with WinAir's software implementation team, which took place in mid-January. Since WinAir's software workflow and proven training methodology adheres to aviation maintenance best practices, Sault College was able to quickly take charge of the solution and go live with the product in early February. Now that the software has been in place, the College is realizing operational gains and envisioning ongoing success with the product. Sault College School of Aviation was established in 1974 at Sault College in Sault Ste. Marie, Ontario, Canada. It operates with 14 fixed-wing aircraft, comprising 12 Zlin Z-242L single-engine trainer aircraft, and two Piper PA-44 Seminole twin-engine light aircraft.



Sault College Soaring to New Heights with WinAir Version 7 Photo: WinAir



The KinectAir app depicted with VoltAero's Cassio hybrid-electric aircraft Photo: VoltAero

The creation of a regional air mobility ecosystem for **VoltAero's** new Cassio hybrid-electric airplane has taken an important step forward through the French company's collaboration with U.S.-based **KinectAir**, which is developing a flexible on-demand flight network utilizing an artificial intelligence-enabled smartphone application. This cooperation foresees Cassio aircraft integrated with KinectAir's short-haul infrastructure, applying artificial intelligence to balance passenger demand with air transport availability. KinectAir's software platform

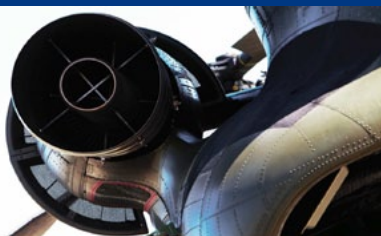
will interface directly with Cassio's “intelligent cockpit.” “The KinectAir collaboration opens exciting opportunities, combining the full benefit of our Cassio aircraft's low-noise, environmentally-friendly flights with an app that offers an accessible, affordable, sustainable and safe way to travel regionally by air,” explained Jean Botti, VoltAero's CEO and Chief Technology Officer. Botti added that ensuring regional air service is more important today than ever, especially when economically challenged airlines around the world are abandoning shorter routes – threatening air links that serve as vital lifelines to thousands of communities. VoltAero is developing a family of airplanes that use the company's proprietary hybrid-electric power module. Featuring a sleek, aerodynamically optimized design, Cassio will fly at 200-knot cruise speeds (360kph) out to flight ranges of 800 miles (1,300 kilometers). Available in three versions with four to ten seats, the aircraft are designed to take off and land in distances of less than 1,800 feet (550 meters), thereby opening the use of runways typically available at local and regional airports. Cassio deliveries will begin in late 2022. The aircraft will be produced on a purpose-built final assembly line in the Nouvelle Aquitaine region of southwest France, with licensed production opportunities pursued in North America and Asia.

FINANCIAL NEWS

assist it through the COVID-19 crisis.

Martin Gauss, the CEO of airBaltic, said: "With this new equity investment we are executing our new business plan Destination 2025 CLEAN. This investment will facilitate the successful growth of airBaltic leading to an IPO in the future." The investment received EU approval on July 3. Back in April, the Supervisory Board approved a new business plan which foresaw adapted operations utilizing just 22 of its Airbus A220-300 aircraft during 2020 – 2021, taking into account reduced capacity, but that fleet increasing to 50 A220-300s by end 2023. The options for an additional 30 A220-300s will remain in place to cover future growth.

MILITARY AND DEFENCE



T55 Chinook

Photo: Honeywell

Honeywell opens new T55 engine maintenance center in Phoenix

Honeywell has secured approval from the U.S. Army through a product verification audit and opened a state-of-the-art T55 Repair and Overhaul Center of Excellence facility near its Honeywell Aerospace headquarters in Phoenix. Honeywell's new Center of Excellence for T55 helicopter engine maintenance optimizes operations and enhances support for the U.S. Army and international customers. By co-locating the T55 engine's engineering, production, repair and overhaul, Honeywell has significantly improved operating efficiencies and performance for many of its customers. Honeywell's T55 engine has supported the CH-47 Chinook helicopter for nearly 60 years. During that time, Honeywell has produced more than 6,000 T55 engines, which have logged about 12 million hours of operation. P

Boeing completes helicopter deliveries to Indian Air Force

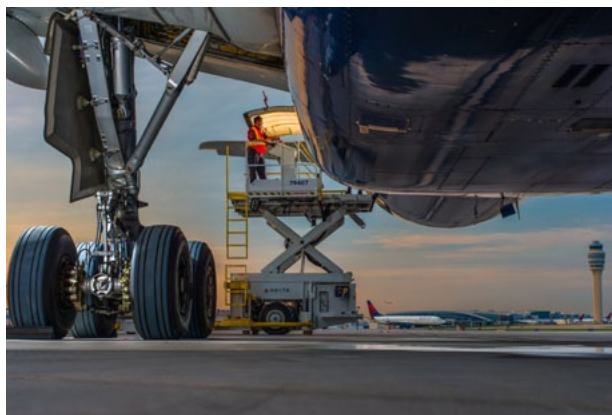
Boeing has completed delivery of all new AH-64E Apache and CH-47F(I) Chinook military helicopters to the Indian Air Force (IAF). The final five of the 22 Apache attack helicopters were handed over to the IAF at Air Force Station, Hindan. Earlier in March, Boeing handed over the last five of 15 CH-47F(I) Chinook heavy-lift helicopters to the IAF. Boeing's joint venture

Director General **EUROCONTROL** Eamonn Brennan and the **European Union Aviation Safety Agency (EASA)** Executive Director Patrick Ky, together, officially opened the joint EASA-EUROCONTROL Technical and Coordination Office (TeCO) at EUROCONTROL's Brussels Headquarters. The Office is designed to improve the efficiency of the two organizations' joint activities. For Eamonn Brennan, this "marks a major step forward in the increasingly strong cooperation between the two organizations, providing strong cooperation at all levels. Through the Joint TeCO, we will be able to provide the required technical support to

EASA, further improve our cooperation and avoid duplication." The safety and efficient running of air traffic in Europe is based on a complex system, which comprises harmonized air traffic management and air navigation services managed by a number of different organizations. EASA acts as the European regulator of the system while EUROCONTROL is the pan-European civil-military aviation organization playing a central coordination role. The demands on the European air traffic system have grown steadily over the past years, due to the increase in capacity needs – temporarily interrupted by the COVID-19 crisis – as well as societal expectations with respect to the high level of safety, cyber security, environmental protection and global interoperability in aviation. Managed by EASA's Emanuel Radev, the TeCO will initially draw upon the technical know-how of four experts seconded from EUROCONTROL. The unit will provide technical support on regulation and standards, on safety oversight management, and on international cooperation activities, including the provision of specific tasks and services to aviation actors as required.



Photo: Official opening of the joint EASA-EUROCONTROL Technical and Coordination Office (TeCO)



Delta Cargo teams up with PayCargo and Unisys

Photo: Delta Air Lines

Delta Cargo has partnered with online payment platform PayCargo and Unisys to offer customers an additional option to pay for their shipments' destination charges. The new service for cargo shipments that originated internationally and delivered throughout the U.S. is available since July 10, 2020. PayCargo is a leading online payment platform for the air cargo and shipping industry.

Its secure and easy-to-use system has cost benefits directly for Delta Cargo's customers as it automates data flows, eliminates the need to send paper checks and enables same-day release of cargo. "Delta Cargo is focused on making it easy to do business with us and our new collaboration with PayCargo and Unisys does just that," said Shawn Cole, Vice President – Delta Cargo. "As we strive to become the airline of choice for our customers, we know that offering secure payment options is one way we can achieve this." Unisys is an innovative provider of digital solutions for the air cargo industry. The integrated solution that Unisys offers with PayCargo will automate the payment process for improved visibility and streamlined operations.

MILITARY AND DEFENCE

in Hyderabad, Tata Boeing Aerospace Limited (TBAL) has been producing aero-structures for the AH-64 Apache helicopter for both U.S. Army and international customers. TBAL marks a major step towards the co-development of integrated systems in aerospace and defense in India. Boeing's suppliers in India are manufacturing critical systems and components for the Chinooks, including the crown and tailcone assembly by Tata Advanced Systems and the ramp and aft pylon by Dynamatic Technologies. Boeing today works with over 200 suppliers and partners in the country in support of "Make in India" and "Skill India."

U.S. Air Force and Boeing sign deal for F-15EX fighter jets

The U.S. Air Force has awarded Boeing a nearly US\$1.2 billion contract to build the first lot of eight F-15EX advanced fighter jets to help the service meet its capacity requirements and add capability to its fighter fleet. The award also covers support and one-time, upfront engineering costs. Already under construction at the Boeing F-15 production facility in St. Louis, the first two jets deliver next year. The U.S. Air Force is also announcing the overall Indefinite Delivery Indefinite Quantity contract with a ceiling value of nearly US\$23 billion for F-15EX.

OTHER NEWS

Austrian Airlines has published the remaining summer flight schedule 2020, which will run until the end of October. By then, Austria's home carrier will double its offer from the current 20% to almost 40% compared to the previous year's schedule, subject to new official restrictions. Starting in August, Austrian Airlines will be flying to Shanghai again – initially once a week. From September onwards, further routes will be added to the flight schedule, which will initially be operated up to once a day. This concerns Chişinău, Dnipro, Iaşi, Klagenfurt, Leipzig, Lviv, Lyon, Nuremberg, Odessa and Yerevan. In addition to resuming flights, Austrian Airlines is increasing capacity on almost all existing routes from September onwards. This means more flights and larger aircraft. For example, Amsterdam, Brussels, Bucharest, Copenhagen, Düsseldorf, Frankfurt and Paris are on the program from September with up to three daily flights. Athens will be connected up to twice daily instead of once. Due to the constant ramp-up of operations, the offer will increase to over 30% in September. By the end of October, almost 40% of the previous year's program and over 60 destinations will be back in the flight schedule.



Photo: Middle East Airlines

Panasonic Avionics (Panasonic) has been selected by **Middle East Airlines-Air Liban (MEA)** to provide inflight entertainment and connectivity (IFEC) solutions for 15 of its Airbus A321 Family aircraft. Upon delivery from this July onwards, nine A321neos will become the first connected aircraft to join MEA's fleet. They will be line fitted with Panasonic's eX1 seatback IFE solution, designed specifically for narrow-body aircraft. eX1 offers elegant, full HD seatback monitors, complete with touch displays and handsets, and an intuitive, personalized interface. Passengers will have access to USB and laptop charging power points at every seat as well. MEA's A321neos will also be fitted with Panasonic's inflight Wi-Fi service, with a host of next-generation connectivity benefits from fast internet to video streaming, all powered by its new satellite modem which offers bandwidth up to twenty-times greater than previously available. Panasonic's high-performance connectivity is a powerful way for airlines to build brand loyalty by delivering new and personalized inflight content to passengers.



Photo: Emirates' A380 back in service

Emirates will deploy its iconic A380 on its daily Amsterdam service, and add a second daily A380 service to London Heathrow starting from August 1. This announcement follows the Emirates A380's return to the skies on July 15, with EK001 to London Heathrow taking off from Dubai International airport carrying commercial passengers onboard this flagship aircraft for the first time since March. Emirates flight EK073 will receive a special welcome on arrival at Paris Charles De Gaulle, as it becomes the first and only scheduled A380 flight to operate at this major European airport since the pandemic began. Throughout the day, Emirates will also mark the restart of scheduled passenger services to seven more cities – Athens, Barcelona, Geneva, Glasgow, Larnaca, Munich, and Rome – offering its customers more travel options.

OTHER NEWS

At the **Lufthansa Cargo Center** (LCC) in Frankfurt, **Fiège Air Cargo Logistics** (FACL) will take over the operative handling and co-ordination of inbound and outbound standard shipments in several phases until mid-2021. The physical cargo handling processes in the LCC had already been largely outsourced to various external service providers for many years. In the course of digitalization, the process landscape in LCC was standardized across the board and consistently aligned with the material flow. "Our future partner contributes additional expertise in the area of digitalization as well as efficient design and implementation of warehouse processes. At the same time, the new cooperation model will reduce the number of direct interfaces for **Lufthansa Cargo**, enabling us to make optimum use of the advantages of digitization. FACL will be an important partner for us in all aspects of physical handling at the Frankfurt hub," explained Dr. Mohammad Ali Seiraffi, Lufthansa Cargo Vice President Handling Frankfurt and Head of the LCC.

The **Austrian Federal Ministry of Social Affairs, Health, Care and Consumer Protection** has massively expanded the list of landing bans for aircraft. Since Thursday, July 16, 2020, no regular flights from the following countries, among others, will be permitted to land in Austria: Albania, Bosnia and Herzegovina, Bulgaria, Egypt, Kosovo, Montenegro, North Macedonia, Romania and Serbia. The landing bans for aircraft from Great Britain, Sweden and the Ukraine have been extended. The decree is valid until July 31, 2020. Due to the official prohibition, Austrian Airlines is forced to cancel all flights between Vienna and the following destinations during the period 16-31 July, 2020: Belgrade, Bucharest, Cairo, Kyiv, London, Podgorica, Pristina, Sarajevo, Sibiu, Skopje, Sofia, Stockholm, Tirana and Varna. The landing bans will also have an impact on the remaining route network of **Austrian Airlines**, due to the fact that the affected routes are frequented by many transfer passengers. These passengers will be missing, for example, flights to the U.S.A.

Effective immediately, U.S. airline **United Airlines** (United) is resuming its flight connection from Munich to Washington. A Boeing 787-9 aircraft will take off for the American capital on every Friday, Sunday, and Monday. Additional flights with United from Munich to Newark are to be added in August. For airport CEO Jost Lammers, the resumption of the Washington connection marks another step towards returning to normal. "We are delighted that United Airlines is restarting flights with us and connecting Munich to another attractive, long-haul destination



Atlas Air

Photo: AirTeamImages

As the pilots of **Atlas Air** continue to push for the completion of long-stalled negotiations over a new master contract with the company, the **International Aviation Professionals** (IAP), which represents the Atlas pilots, said focusing on achieving wins for all parties can guide the contract talks to a fast conclusion. Both parties are expected back at the bargaining table starting July 20. The Atlas Air pilots have been working without a contract since 2016. Atlas Air is an air cargo and charter airline and aircraft lessor. Job security is a key issue. The pilots are looking for guarantees that if Atlas sells assets, the pilots tied to those assets would go to the new company. "We are dealing with people who want to work hard and help Atlas grow, but they need to know they will not be left out in the cold if the company sells," said Robert Kirchner, the head of the IAP, Teamsters Local 2750. "We want the subpar working conditions addressed, including poor scheduling that costs the company millions per year, and eliminating dangerous situations, especially in foreign countries," said Kirchner.



Pakistan International Airlines

Photo: AirTeamImages

In the wake of the grounding of nearly one-third of all **Pakistan International Airlines'** (PIA) pilots, the U.S. has followed in the footsteps of the **European Union Air Safety Agency** (EASA) and has revoked the permission for PIA charter flights to fly to the U.S. The U.S. Department of Transportation took such action on the recommendation of the Federal Aviation Administration (FAA) owing to its concerns over the validity of pilot certifications. A copy of the revocation of special authorization was dated July 1 and a copy was sent to Reuters news agency. The EASA issued a six-month ban on PIA flights on June 30 on discovering that up to 262 pilots at PIA had "dubious licenses". Investigations into the validity of PIA pilots' licenses began after the fatal crash in May of a PIA jet that crashed after a failed landing attempt which killed all but one of the passengers and crew on board, and one civilian on the ground. "It is a setback for us," the PIA's spokesman, Abdullah H. Khan told Reuters in an email. The airline was planning to expand the current special flights arrangements to re-initiate a regular schedule from Pakistan to the United States to provide direct flights, he said. "We are continuously engaged with them and sincerely hope that with the confidence building measures, the decision would be reviewed," Khan added.

OTHER NEWS

in North America. The resumption of the Washington route once again underlines the importance of Munich as a hub for international air traffic."

Honeywell is introducing the HGuide n380, a new inertial navigation system that communicates position, orientation, and velocity of an object — such as an autonomous vehicle or unmanned aerial vehicle (UAV) — even when global navigation satellite signals are unavailable. Smaller and lighter than previous Honeywell inertial navigation systems, the HGuide n380 is built using Honeywell's rigorous design standards to withstand harsh environments in the air, on land or at sea. This new inertial navigation system is composed of Honeywell's HGuide i300 inertial measurement unit (IMU), a global navigation satellite system (GNSS) receiver and Honeywell's proprietary sensor fusion software, which is based on the algorithms used for navigation on millions of aircraft every day. Inputs from these components are fused together to determine position, orientation and velocity to deliver critical navigation information, even in areas where a satellite signal is degraded or altogether unavailable, such as canyons, bridges, tunnels, mountains, parking garages or dense forests. During its development, the new product was placed in extreme environments to test ruggedness and was exposed to extensive factory calibration and compensation procedures that help ensure measurement accuracy and performance.

INDUSTRY PEOPLE



Ryan O'Reilly

• **Ryan O'Reilly** has been appointed to the role of Supply Chain Director with Acro Aircraft Seating (Acro) based at Gatwick, U.K. In post from May 2020, Ryan has taken on strategic and operational responsibility for the company's global supply chain. Reporting directly to Chief Executive **Officer Neil Cairns**, Ryan joins an enhanced and expanded Executive Leadership Team at Acro where his key responsibility will be driving performance improvements across the supply chain function. He will also drive improvements to supplier performance and relationships through enhanced processes and metrics.



Robert Knox

• After nearly four years as AvAir's Senior Vice President of Finance, **Robert Knox** has been promoted to Chief Accounting Officer. During his time as SVP of Finance, Knox increased access to capital, financed a management buyout and significant inventory purchases, established a European subsidiary, upgraded the 410K plan and developed an exceptional finance organization. As CAO, Knox will continue to position AvAir as a top aviation parts supplier globally. Knox joined AvAir in 2016 as a corporate finance veteran with 20 years of experience at Fortune 50, start-up, rapid growth and high-tech companies.



Michael Colglazier

• Virgin Galactic Holdings (Virgin Galactic), a vertically integrated aerospace and space travel company, has appointed **Michael Colglazier** as its new Chief Executive Officer and **George Whitesides** as Chief Space Officer, effective July 20, 2020. Colglazier assumes the CEO role at an exciting time for Virgin Galactic as the company progresses through its test flight program and prepares for commercial service. He will also join the company's Board of Directors, effective July 20, 2020. Colglazier joins Virgin Galactic following a long and successful career at The Walt Disney Company, bringing over three decades of experience in developing and growing consumer-oriented multi-billion-dollar businesses strategically, commercially, and operationally. Most recently he was President and Managing Director, Disney Parks International, where he was responsible for operations, strategy, and commercial and experiential development of Disney's international parks and resorts. **George Whitesides** will assume the role of Chief Space Officer, focused on developing the Company's future business opportunities, including point-to-point hypersonic travel and orbital space travel. George will also chair the company's Space Advisory Board, and in conjunction with his new role will step down from the Company's Board of Directors.



Josh Thompson

• Gulfstream Aerospace has named **Josh Thompson** of General Dynamics Ordnance and Tactical Systems (OTS) as the aerospace company's Chief Financial Officer (CFO) effective August 3. Thompson will report to **Mark Burns**, president, Gulfstream, and serve as a member of the Gulfstream leadership team. He succeeds **Dan Clare**, Gulfstream's long-time CFO, who will retire at the end of September. Thompson brings a wealth of experience to the role, having served in various positions at OTS and parent company General Dynamics' corporate headquarters since joining the defense company in 2004. Thompson has been the OTS CFO since 2018.

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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	DVB Bank	CFM56-5B63	3586	2008	Q3/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-100	DVB Bank	V2522-A5	2375	2005	Q3/2020	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-100	BBAM	CFM56-5B5/P	2129	2004	Apr 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A319-100	BBAM	CFM56-5B5	2249	2004	May 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A319-100	BBAM	CFM56-5B5/P	1362	2000	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A319-100	BBAM	CFM56-5B5/P	2251	2004	Mar 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A320-200	BBAM	V2527-A5	2587	2005	Jun 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
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	487	1994	Q4/2020	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A320-200	GA Telesis	V2527-A5	489	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	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 772-60/19	various	05-14	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
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	+1 415 486 6100
A330-300	BBAM	Trent 772B-60	1609	2015	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A330-300	BBAM	PW4168A	403	2003	Mar 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A330-300	DVB Bank	Trent 772B-6	1146	2010	Q4/2020	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-700	GA Telesis	CFM56-7B24	34300	2006	Now	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
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		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	BBAM	CFM56-7B20	32414	2002	Feb 2021	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
B737-800	BBAM	CFM56-7B20/3	35150	2009	Dec 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
B737-800	BBAM	CFM56-7B24	34899	2006	Jul 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
B737-800	BBAM	CFM56-7B26	28622	2000	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
B737-800	BBAM	CFM56-7B26	28595	1999	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
B737-800BCF	BBAM	CFM56-7B26	28608	1999	Aug 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
B737-800BCF	BBAM	CFM56-7B26	29052	2000	Oct 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
B737-900	BBAM	CFM56-7B26/3	34953	2007	Dec 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
B777-300ER	Doric	GE90-115BL1	35592	2009	Q2/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
B777-300ER	Doric	GE90-115BL2	36158	2009	Q2/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
B777-300ER	DVB Bank	GE90-115B	37705	2009	Q1/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449



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THE AIRCRAFT AND ENGINE MARKETPLACE

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200LR	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	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

Commercial Engines

Multiple Types	Sale / Lease	Company	Contact	Email	Phone
Multiple Engines GE / CFM / RB211	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
AE3007 Engines	Sale / Lease	Company	Contact	Email	Phone
(3) AE3007A1P	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
(1) AE3007A1	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
CF34 Engines	Sale / Lease	Company	Contact	Email	Phone
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3B1	Now - Sale				
CF34-3A	Now - Sale / Lease				
(2) CF34-8C5B1	Now - Sale / Lease	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) CF34-3B1	Now - Sale / Lease				
(2) CF34-10E6	Now - Lease	DASI	Joe Hutchings	joe.hutchings@dasi.com	+1 954-478-7195
(1) CF34-3B1 (dual release tag)	Now - Sale	FL Technics	Modestas Valiusevicius	m.valiusevicius@fltechnics.com	+370 6 54 96179
(3) CF34-10E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF34-8E5A1	Now - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(1) CF34-8C5A1	Now - Lease				
(2) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CF6-80C2B7F	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(1) CF6-80E1A3	Now - Sale / Lease				
(1) CF6-80E1A4B	Now - Sale / Lease				
(4) CF6-80E1A4B	Now - Sale/Lease/Exch.	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(1) CF6-80E1A4B	Now - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(2) CF6-80E1A3	Now - Lease	Presidio Aircraft Leasing	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
(1) CF6-80C2B1F (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiair.com	+1 786 785 0787
(1) CF6-80C2B5F (with QEC)	Now - Lease				
(1) CF6-80C2B6F with QEC	Now - Lease				
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CFM56-5B (all thrust levels)	Now - Sale / Lease	Contrail Aviation	Kevin Milligan	kevin@contrail.com	+1 949-933-0797
(2) CFM56-7B (all thrust levels)					
(1) CFM56-5C4	Now - Lease	Presidio Aircraft Leasing	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
(1) CFM56-5B4/P (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiair.com	+1 786 785 0787
(1) CFM56-7B26 (full QEC)	Now - Lease				
(1) CFM56-5B1/3 (with QEC)	Now - Lease				
(1) CFM56-7B22 (with QEC)	Now - Lease				
(2) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P	Now - Lease				
(1) CFM56-7B224/E	Now - Lease				
(1) CFM56-5C	Now - Lease				
(1) CFM56-7B27/B3	Now - Lease				



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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-5B3/3	Now - Lease	Rolls-Royce & Partners Finance	Charlie Ferguson	charlie.ferguson@rolls-royce.com	+44-(0)7772224895
(2) CFM56-7B26	Now - Sale/Lease/Exch.	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(1) CFM56-5B	Now - Sale/Lease/Exch.	Gryphon Aviation Leasing	Peter Curbelo	peter@gryphonleasing.com	+1 786 468 6789
(2) CFM56-7B	Now - Sale/Lease/Exch.				
(1) CFM56-7B22	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbank.com	+44 207 256 4449
(2) CFM56-7B22	Now - Sale	CFM Materials	Jimmy Hill	jimmy.hill@cfmmaterials.com	+1 -214-988-6670
(2) CFM56-7B26/E	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B24/E	Now - Lease				
(1) CFM56-5B3/3	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P	Now - Sale / Lease	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
(1) CFM56-5B2/P	Now - Sale / Lease				
(1) CFM56-5B4/P	Now - Sale / Lease				
(1) CFM56-7B22	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(1) CFM56-7B26	Now - Sale / Lease				
(1) CFM56-5B4/P	Now - Sale / Lease				
(2) CFM56-7B26/27	Now - 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	Now - Lease				
JT8D and JT9D Engines		Sale / Lease	Company	Contact	Email
(1) JT8D-219	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GE90 Engines		Sale / Lease	Company	Contact	Email
(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
(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				
(1) LEAP1A-32	Now - Lease	Rolls-Royce & Partners Finance	Charlie Ferguson	charlie.ferguson@rolls-royce.com	+44-(0)7772224895
PW 4000 Engines		Sale / Lease	Company	Contact	Email
(2) PW4168A	Now - Lease	Presidio Aircraft Leasing	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
(1) PW4056-3 (with QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0787
PW Small Engines		Sale / Lease	Company	Contact	Email
(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.				
(3) PW127M	Now - Sale/Lease/Exch.				
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease				
PW124B	Now - Lease				
PW123B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW150A	Now - Lease				
PW127M	Now - Lease				
PW150A RGB	Now - Lease				
(1) 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.				
(1) PW124B	Now - Sale/Lease/Exch.	Logix Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(2) PW127E/F	Now - Sale/Lease/Exch.		Remi Kryz	rkryz@logix.aero	+33.6.2079.1039
(4) PW127M	Now - Sale/Lease/Exch.				
(1) PW118	Now - Lease / Exchange				

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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW118A	Now - Lease / Exchange	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(1) PW119B	Now - Lease / Exchange		Remi Krysz	rkrysz@logix.aero	+33.6.2079.1039
(1) PW121	Now - Lease / Exchange				
(1) PW121A	Now - Lease / Exchange				
(1) PW125B	Now - Lease / Exchange				
(2) PW123	Now - Sale	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.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	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
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
(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) V2533-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
(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@ftaiaaviation.com	+1 786 785 0787
(2) V2527-A5	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(2) V2533-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) V2533-A5	Now - Sale / Lease	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) GTC331-500B	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules					
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		landinggearsales@gatelesis.com	
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
GTC331-500B 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) GTC331-150RJ, (2) GTC331-100M,	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) RE220RJ, (1) PW126 RGB, (1) PW901A					
(1) APS1000-C12, (1) APS1000-C3					
GTC331-9A (2), GTC331-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTC331-200, GTC331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(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	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
(1) GTC331-9B	Now - Sale / Lease	DASI	Chris Glascock	Chris.Glascock@dasi.com	+1 954-801-3592
(2) GTC331-9A, (1) GTC331-9B, (1) GTC331-350		GA Telesis		apu@gatelesis.com	+1-954-676-3111
(1) GTC331-200ER, (1) APS3200, (1) GTC331-500					
Engine stands: CF6-80C2, CFM56-5, CFM56-7, PW4000				stands@gatelesis.com	
GTC331-9A, GTC331-9B, GTC331-350C	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
GTC331-500B, GTC331-200/250, APS5000			Rich Lewsley	rlsley@logix.aero	+1 602 517 8210
APS3200, APS2300					
(1) APU GTC331-9A, (1) APU GTC331-9B	Now - Sale / Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
Engine stands now available	Now - Lease				
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368

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