

Weekly Aviation Headline News

WORLD NEWS

IAG Cargo reignites South Korean services

IAG Cargo has announced a return of its direct service from the United Kingdom to South Korea. A route that was paused due to the pandemic. The London Heathrow – Seoul-Incheon service, will run year-round, three times per week on 787s and marks another important development in IAG Cargo's work to support key trade routes for its customers. South Korea is a high growth market for UK exports, and is one of the largest exporters in the world, with its top exports being electronics and automotive parts.

Ryanair to add new UK base

Low-cost operator Ryanair is set to begin flying from Teesside International Airport in North East England. Two services per week to both Alicante and Palma, Majorca, will start in just five months' time. Securing flights with a low-cost operator was a key part of the airport's ten-year turnaround plan and has come almost two years to the day the deal was struck to bring the airport back into public ownership. The news follows significant investment in the terminal building, including a £1million overhaul to the security area with new body and bag scanners.

flydubai lands in Tel Aviv

The first scheduled commercial flight from Dubai to Tel Aviv has been operated by flydubai. Ghaith Al Ghaith, Chief Executive Officer at flydubai, said: "The inaugural flight sees the air transport agreement realised. The creation of these direct air links will support the development of commercial ventures across a number of sectors helping to drive success and prosperity. We look forward to welcoming the first passengers from Israel as they come to explore the UAE."



The industry is calling for more flexible slot rules.

Photo: Gatwick Airport

Aviation industry agrees vital slot use relief

To preserve essential air transport connectivity

The Worldwide Airport Slot Board (WASB), comprising Airports Council International (ACI World), the International Air Transport Association (IATA), and the Worldwide Airport Coordinators Group (WWACG) released a joint recommendation for airport slot use relief for the northern summer 2021 season.

The organisations called on regulators worldwide to temporarily adopt more flexible slot rules in line with the recommendation as quickly as possible to preserve essential air transport connectivity.

As a result of the collapse in

demand from the COVID-19 crisis, some 65% of direct city pair connections vanished in the first quarter of 2020. Slot-regulated airports serve almost half of all passengers and are the backbone

"It is vital that regulators quickly adopt the WASB proposals on a globally harmonised basis."

Alexandre de Juniac, IATA's Director General

of the global scheduled airline network. But recovery is impossible while there is no certainty on the rules governing the use and retention of airport slots.

The existing slot rules were never

designed to cope with a prolonged industry collapse. Regulators temporarily suspended the rules for Summer and Winter 2020 to give the industry vital breathing space. International air traffic, though,

is only expected to return to about 25% of 2019 levels by summer 2021. To preserve connectivity while air traffic recovers, a more flexible system of slot regulation is essential.

The WASB which is the forum for bringing together representatives from the airport, airline and slot coordinator community to agree positions on slot rules, has worked

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on a proposal to regulators that preserves the best of the existing rules, while providing the necessary flexibility to aid recovery.

"It is vital that regulators quickly adopt the WASB proposals on a globally harmonised basis. Airlines and airports need certainty as they are already planning the 2021 Summer season (which begins in April) and must agree schedules. Delays in adopting new rules will further damage the industry at a time when industry finances, and 4.8 million jobs in air transport, hang by a thread," said Alexandre de Juniac, IATA's Director General and CEO.

The WASB position recommends the following be adopted before the end of 2020:

Airlines that return a full series of slots by early February to be permitted to retain the right to operate them in summer 2022

A lower operating threshold for retaining slots the following season. In normal industry conditions this is set at 80-20. The WASB recommends this be amended to 50-50 for Summer 2021



Airlines need to plan ahead for 2021 schedules

Photo: OmniServe and Ryanair

A clear definition for acceptable non-use of a slot. For example, force majeure as a result of short-term border closures or quarantine measures imposed by governments.

AIRCRAFT & ENGINE NEWS

Embraer and EDP sign partnership agreement for joint efforts in electric aircraft research

Embraer and EDP, a company that operates in all segments of the Brazilian energy sector, have signed a partnership agreement for electric aircraft research. Through its EDP Smart division, the Portuguese-based multinational announced a financial contribution for the acquisition of energy storage and battery charging technologies for Embraer's all-electric demonstrator aircraft project, utilizing the EMB-203 Ipanema as its test bed. The prototype, which is already in development, is scheduled to complete its inaugural flight in 2021. The investment is part of the cooperation agreement signed by both companies to advance their shared knowledge of energy storage and battery charging technologies for aviation – one of the main challenges of the project. The partnership aims to investigate the applicability of high voltage batteries for the electric propulsion systems of small aircraft, in addition to evaluating the main operating characteristics, such as weight, efficiency and power quality, thermal control and management, cycling loading and unloading, and operational safety.



Embraer and EDP sign partnership for electric aircraft research

Photo: Embraer

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EASA to give 737 MAX the go-ahead to fly in January

The European Union Aviation Safety Agency has confirmed that, independent of the U.S.'s Federal Aviation Administration (FAA), it anticipates lifting the grounding order on the troubled Boeing 737 MAX and certifying it as safe to take to the skies again by mid-January 2021. "We wanted to carry out a totally independent analysis of the safety of this aircraft, so we performed our own checks and flight tests," EASA's Executive Director Patrick Ky told the Paris Air Forum, an online aviation conference. "All these studies tell us that the 737 MAX can return to service. We have started to put in place all the measures," he said. "It is likely that in our case we will adopt the decisions, allowing it to return to service, sometime in January." The EASA will publish a draft directive proposing the lifting of the grounding order next week, after which there will be a 30-day period for comments. The result should see the official lifting of the grounding order in mid-January 2021. Together with Norway and the U.K., the EASA represents 27 countries of the European Union. The FAA's certification process came in for a high degree of criticism and the EASA's certification process is seen as carrying significant influence in the aviation industry. "It is clear that there were a number of dysfunctions in (FAA) actions and their relations with Boeing," Ky said, according to Reuters news agency. "I won't go into details as it is not up to me to do that. The FAA is in the process of putting in place corrective measures." Ky also said that the EASA would change some of its own methods and take a more detailed role in analyzing critical features in foreign jets. It would also be "more intransigent" about ensuring that key safety reviews are completed before moving on to the next steps.

Embraer eyes developing new turbo-prop as way forward after Boeing deal collapses

Brazil's Embraer, the world's third-largest commercial plane manufacturer, has announced it is exploring the possibility of developing a new turboprop aircraft. The initial announcement made it clear that its commercial unit is not for sale. "We are actively in discussions with (turboprop) partnerships, but I can't go into more details now," Commercial Aviation Chief Executive Arjan Meijer said, adding "Also the type of partnership, be it industrial or financial, is wide open. We are looking at all the options,

Alaska Airlines further modernizes fleet with 13 new leased 737-9 MAX aircraft



Alaska Airlines

Photo: AirTeamImages

Alaska Airlines (Alaska) has released that it will sell ten Airbus A320s to Air Lease Corporation, and subsequently lease 13 new Boeing 737-9 MAX aircraft from them. The 13 737-9 MAX aircraft will be delivered from fourth quarter 2021 through 2022. Alaska will lease the A320s back from Air Lease for a short period of time after the transaction closes. The 13 leased aircraft are in addition to the 32 MAX Alaska currently has on order with Boeing – five of which are expected to be flying by summer 2021. Alaska will begin flying the 737-9 MAX in March 2021. After permanently parking all A319s and some A320s earlier this summer, this deal leaves Alaska Airlines with 39 A320s in the operating fleet along with ten A321neos.

ExxonMobil signs contract for two Airbus H145 helicopters



ExxonMobil orders two Airbus H145 helicopters

Photo: Airbus Helicopters

ExxonMobil has signed a contract for two Airbus H145 helicopters to support the PNG (Papua New Guinea) LNG (liquefied natural gas) project in Papua New Guinea. The new H145 model with a five-blade, bearing-less main rotor provides a 150 kg increase in useful load. The aircraft will be based at the Hides Gas Conditioning Plant (HGCP) in Hela Province of the PNG Highlands and will be used to transport personnel and equipment in support of PNG LNG project operations. In addition to its reliability and superior economics, the new H145's "hot and high" performance was critical to its selection for use in an environment requiring routine operations at an altitude of 5,400 ft and in temperatures up to 35°C. The sale is the first by Airbus Helicopters to ExxonMobil and the first order in the oil and gas sector for the new H145 in the Asia Pacific region.

AIRCRAFT & ENGINE NEWS

or it could be a combination of the two ... We are not ruling anyone out at this point.” According to Reuters news agency, Meijer blamed a recent E2 order slump on buyers waiting for the Boeing deal, followed swiftly by

the pandemic. Longer term, however, he saw the pandemic’s fallout boosting Embraer. The move looks to strengthen Embraer’s position in the sub-150-seat market and would be seen as a challenge to the popular European ATR turboprop aircraft which, prior to the global pandemic, had forecast a demand for 3,020 turboprops over the next 20 years,

with a current market value of US\$80 billion. However, with a projected budget of around US\$2 billion, some are viewing the direction Embraer is going in as counterintuitive to that being followed by others interested in exploring the short-haul and regional aircraft market with the development of electric- and hydrogen-powered aircraft.

Korean Air’s A220 fleet leads recovery in air travel in South Korea



Photo: Korean Air Airbus A220

Korean Air is using its A220 fleet to restore its regional and domestic passenger network and provide much-needed connectivity in South Korea, in turn providing a welcome boost to local economies. “Korean Air has been operating ten A220s and these aircraft are used on our domestic and short-haul routes. Thanks to its more fuel-efficient engines, Korean Air’s GTF-powered A220s have lower operating cost, which enables us to utilize the fleet effectively,” said Lee Soo Keun, chief operating officer at Korean Air. “It’s important to us that we continue to support efforts that repatriate and reconnect people to their loved ones, while also sustaining the economy with the continued flow of goods and essential supplies.” The airline offers A220 flights to and from several cities and airports in the country, including Seoul-Gimpo, Busan, Cheongju, Jeju and Ulsan. At Korean Air, the Airbus A220 aircraft and its Pratt & Whitney GTF engines are

leading the recovery in air travel in South Korea, thanks to greater capacity and lower operating costs. Korean Air flies the larger A220-300 aircraft, each with 140 economy seats in a 2-3 seating configuration. The aircraft is also renowned for its passenger comfort, including lower noise thanks in large part to the Pratt & Whitney GTF engine.

Mesa Air Group enters new contract with American Airlines to operate 40 CRJ-900s

Mesa Air Group has finalized a new contract, which replaces the previous agreement with American Airlines, to operate 40 CRJ-900s for a five-year term beginning January 1, 2021 through December 31, 2025. Under the previous contract, 30 CRJ-900 aircraft were set to expire in 2021 with an additional 17 expiring in 2022. “I want to express my appreciation to the American Eagle team leaders who worked with us on this new contract,” said Jonathan Ornstein, Chairman and Chief Executive Officer of Mesa Air Group. “This new contract will position Mesa for long-term stability and improved performance on our American operation. This year has been difficult for our entire industry, but I’m thankful that despite the obstacles, American has chosen to continue its long-standing relationship with Mesa.”



American Eagle CRJ-900

Photo: AirTeamImages

AIRCRAFT & ENGINE NEWS

NAC delivers one Embraer E190 on lease to Airlink



Photo: Airlink's new livery

Nordic Aviation Capital (NAC) has confirmed the delivery of one Embraer E190, MSN 19000187, to privately owned regional airline Airlink, on lease. Airlink is the largest, privately owned regional airline with the widest network throughout Southern Africa. With the launch of its new livery and now operating independently, Airlink is able to offer more freedom, more choices and more travel opportunities thanks to its fleet of more than 50 commercial jetliners. In 2019, the airline carried two million customers on more than 63,000 flights, on 62 routes to 40 destinations in nine African countries and St. Helena Island.

CDB Aviation brings next generation A330 P2F freighter to market

CDB Aviation, a wholly owned Irish subsidiary of China Development Bank Financial Leasing (CDB Leasing), has announced a new partnership with Germany-based EFW GmbH (EFW) to conduct the Passenger-to-Freighter (P2F) conversion of two Airbus A330-300 aircraft in 2021. The A330-300 P2F conversion program marks CDB Aviation's first entry into freighter conversion, advancing the lessor's strategic efforts to deliver ever-more customized fleet solutions to customers, while tapping the long-term growth potential of the medium widebody freighter market. The A330 P2Fs are part of the existing fleet of 228 aircraft, in addition to the lessor's further commitments for 150 in-demand, next-generation technology aircraft. "We are seeing an increasing interest from our customers for medium-sized freighters, as they look to take advantage of record-high freighter utilization, rapidly growing e-commerce demand, and higher cargo yields," elaborated CDB Aviation Chief Executive Officer Patrick Hannigan. "We look forward to working with EFW on converting our highly efficient A330-300



Photo: Airbus S.A.S. 2020

aircraft into the next generation of medium widebody freighters that our customers can use to meet the burgeoning international and regional air freight demand." The medium widebody freighter segment is today comprised of over 600 aircraft, served primarily by aging twin-jet aircraft, such as the Boeing 767F and Airbus A300F, which have an average age of 22 years. The A330-300 P2F will bring next generation technology and efficiency to this segment. With growing express cargo demand and declining cargo densities, the A330-300 P2F offers more volumetric space than older freighters in this category, in line with what cargo operators and freight forwarders are seeking.

MRO & PRODUCTION NEWS

Air Arabia and CFM International sign services agreement for LEAP-1A engines

Air Arabia and CFM International have signed a comprehensive nine-year agreement under the terms of which CFM will provide time and material support for the airline's fleet of six LEAP-1A-powered A321neo aircraft. Air Arabia (PJSC) is the first and largest leading low-cost carrier (LCC) in the Middle East and North Africa. Air Arabia commenced operations in October 2003 and currently operates a fleet of Airbus A320 and A321 aircraft, serving routes from five hubs in the UAE, Morocco and Egypt. The agreement builds on a successful relationship with CFM that includes a fleet of 52 CFM56-powered A320ceo aircraft and six A321neo-LRs. Air Arabia is the first LEAP-powered A321neo operator in the Middle East.



Air Arabia

Photo: AirTeamImages

Rolls-Royce opens latest customer support facility in Savannah, Georgia, USA



Rolls-Royce Raines Building in Savannah, Georgia

Photo: Rolls-Royce

Rolls-Royce has officially opened its latest customer support facility in Savannah, Georgia, USA. The new 62,000 ft² (5,800 m²) Savannah Customer Service Center is adjacent to the new Gulfstream Service Center East and is scheduled to be fully operational by the end of this year. It will house an on-site customer support office, an on-wing services repair facility, a powerplant completion center, and a warehouse, all under one roof. The investment will create additional highly skilled jobs over the next few years, increasing the total number of the company's employees supporting Gulfstream and its customers. The new service center was named the Rolls-Royce Raines Building, in honor of local aviation pioneer Hazel Jane Raines. Raines was Georgia's First Lady of Aviation, a strong advocate for women's rights and an inspiring trailblazer for women in aviation.

Jet Aviation delivers first fan case modification on Falcon 7X PW307A engine

Jet Aviation has delivered the first fan case modification on a Falcon 7X in Basel. The company has received MRO authorization from Pratt & Whitney to modify fan cases on PW307A and PW307D engines installed on Falcon 7X and Falcon 8X aircraft and has since completed a dozen on-wing fan case modifications. The fan case modification involved exchanging the engine ducts to prevent or repair delamination. Jet Aviation provided the service as part of a scheduled airframe maintenance C-inspection. Pratt & Whitney Canada, the engine manufacturer of the PW307 A/D engines installed on Dassault Falcon 7/8X aircraft, has since issued a Service Bulletin (PW300-72-47246) for all of its PW307 A/D engines, enabling on-wing modifications.



Fan case modification of a P&W engine

Photo: Jet Aviation

MRO & PRODUCTION NEWS

Jet Aviation Geneva gains Part 145 approval from Civil Aviation Authority in Russia

Jet Aviation's maintenance facility in Geneva has received approval from the Russian Federation Civil Aviation Administration (RFCAA). The approval permits the company to support aircraft that are registered in Russia to the full extent of its maintenance approvals. Jet Aviation Geneva offers full heavy maintenance services for the Bombardier Global Express series, Gulfstream aircraft, and Boeing business jets (BBJ). With this new approval, the company is authorized to provide line and base maintenance to these Russian-registered aircraft types.

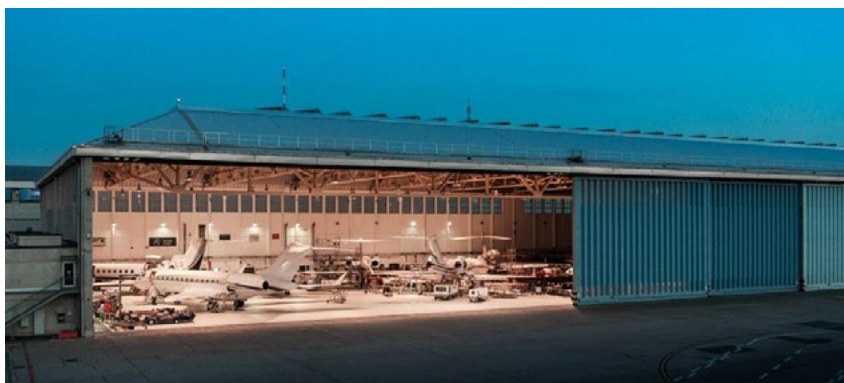


Photo: Jet Aviation Geneva hangar



V2500 testbed Zhuhai

Photo: MTU

MTU Maintenance Zhuhai to establish additional facility in Jinwan district

MTU Maintenance Zhuhai, a joint venture between MTU Aero Engines and China Southern Airline Company limited, has announced plans to establish a second facility in the neighboring Jinwan district. The facility is to be called MTU Maintenance Zhuhai Co., Ltd. The Jinwan facility will have an initial annual capacity of 250 shop visits and expects to enter operations in 2024. The purchase of a 150,000 m² plot of land has been agreed with local government and the project will now enter the detailed planning and construction stages. MTU Maintenance Zhuhai Co., Ltd. The new facility will also focus on Pratt & Whitney engines for narrow-body jets with its own 65,000 lbf test cell and, according to current estimates, a workforce of around 600 qualified employees. "It's close proximity to MTU Maintenance Zhuhai will enable significant knowledge transfer and synergies between the two facilities," said Jaap Beijer, President and CEO of MTU Maintenance Zhuhai, who will be managing the two sites upon completion. The new facility will operate under MTU Maintenance Zhuhai and its licenses and approvals.

Embraer installs HEPA filters on ERJ 145 jets

With the main goal of supporting customers of the 50-seat ERJ 145 jet in their search for solutions to increase passenger safety and prevent the potential transmission of viruses on board, Embraer recently released a service bulletin that allows ERJ 145 operators to install high-efficiency particulate air (HEPA) filters. The kits for the first 70 aircraft are already being assembled and should be delivered by mid-December. It took about five and a half months to develop this solution. During that time, Embraer selected the filter and worked through the necessary steps to create the service bulletin, manufacturing and purchasing several of the required parts to develop the kits. Additionally, Embraer is expecting to complete the same initiative for the ERJ 135 and ERJ 140 very soon. In most aircraft, the air in the cabin is completely refreshed between 20 and 30 times per hour, which is significantly more often than in an office environment and even five to six times more often than in a hospital environment. HEPA filters, which are standard on all versions of the Embraer E-Jets and E-Jets E2 families of commercial aircraft, are extremely efficient, capturing 99.97% of airborne particles and other biological contaminants, such as bacteria, viruses, and fungi. This technology is also available on Embraer Executive Jets, with the HEPA filter now standard on both the Praetor 500 and Praetor 600.



Photo: Embraer to install HEPA filters on its ERJ 145 jets

FINANCIAL NEWS

Singapore Airlines successfully raises S\$500 million

Singapore Airlines (SIA) has successfully raised S\$500 million via a private placement of new ten-year bonds. The offer was launched at an offer size of S\$300 million in response to an initial expression of interest and was increased to S\$500 million after strong appetite was apparent from a select group of private investors. The ten-year bonds will carry a competitive coupon of 3.5% p.a. DBS Bank and United Overseas Bank acted as joint lead managers of the issue. This issuance further strengthens the Company's liquidity position, and the proceeds will be used for general purposes including refinancing of existing borrowings. (US\$1.00 = SG\$1.34 at time of publication.)

CAE to buy TRU Simulation + Training in second acquisition this month

Established in 2014 through the merger of Mechtronix and OPNICUS with part of the Textron Systems division, the Textron subsidiary TRU Simulation + Training (TRY Canada) is to sell certain of its non-U.S. businesses to CAE Inc. for US\$40 million excluding post-closing adjustments and subject to regulatory approval. TRU Canada is a Canadian-American manufacturer of flight simulators and training solutions for civil and

Precision Aviation Group acquires EFIX Aviation Support



PAG expands its MRO and Supply Chain services in Latin America with the acquisition of EFIX
Photo: PAG

Aerospace and Defense market, with a diverse capabilities' list that includes – Landing Gear, Hydraulic/Pneumatic, Electrical Accessories, Starter Generators, Batteries, and Avionics. EFIX' Repair Station holds both ANAC and EASA certifications.

Precision Aviation Group (PAG), a leading provider of products and value-added services to the worldwide aerospace and defense industry, has announced the acquisition of São José dos Campos, Brazil-based EFIX Aviation Support (EFIX). EFIX specializes in Maintenance, Repair and Overhaul (MRO) services for the South American

military markets and the deal includes a backlog of simulator orders, full-flight simulator assets, its Montreal manufacturing operations, its ETOPS entities in France and Malaysia, and a minority interest in a joint venture in Iceland. This is CAE's second announced acquisition within the last two weeks, demonstrating the

Company's commitment to deploying the capital it is raising to strengthen the Company's position across its markets. The acquisition is aligned with CAE's strategic priorities and meets the strict financial parameters it has in place and should be accretive to earnings in its first full year.

INFORMATION TECHNOLOGY

ePlane and b2b-aero have entered into a strategic partnership, offering ePlane's innovative AI-driven Trading and Insights platform with b2b-aero's most widely used MRO-Tracker solution. With technology playing an increasingly critical role in every aspect of a business, global companies are continually seeking to improve their manual day-to-day operations and data-exchange communications with flexible, innovative, and often customized solutions. This new partnership will provide companies with more options to plan, report, and analyze, leveraging their business and trading opportunities. "This partnership between the two industry-leading service providers – ePlane and b2b-aero – is a great opportunity and will drive the digital transformation process in the MRO industry," said Michael Harms, b2b-aero CEO. "By making our services available to the ePlane community and vice versa, we will bring significant, additional value to existing ePlane and b2b-aero customers. We are looking forward to announcing new business process improvement solutions as soon as possible."

MILITARY AND DEFENCE

German Bundeswehr orders 31 Airbus NH90 helicopters

The German Bundeswehr has ordered 31 NH90 helicopters, to be known as Sea Tiger, for the German Navy's shipborne operations. The helicopters will replace the German Navy's Sea Lynx Mk88A fleet which entered into service in 1981. The Bundeswehr has already ordered 18 NH90 Sea Lion naval transport helicopters, seven of which have been delivered. The widespread use of the NH90 TTH by the German Army and the NH90 NFH



The German Bundeswehr has ordered 31 NH90 helicopters also known as Sea Tiger
Photo: Airbus Helicopters/Patrick Heinz

by the German Navy enables considerable synergies in terms of logistics and training. Naval flight crews and technical staff have already been undergoing basic NH90 training together with the army's NH90 crews since the introduction of the Sea Lion. Both the Sea Tiger and the Sea Lion are derivatives of the NH90 NFH. The Sea Tiger is based on the Sea Lion configuration, enhanced by mission capabilities and equipment in order to carry out specific tasks. In addition to reconnaissance and transport, the shipborne Sea Tiger's missions include engaging targets above and below the surface. For this purpose, the Sea Tiger is, amongst others, equipped with an active dipping sonar, passive sonar buoys, and weapons (torpedoes and missiles).

OTHER NEWS

Airbus has officially opened its new integrated campus in Singapore. Located at Singapore's Seletar Aerospace Park, the new campus covers an area of 51,000 m². It is an expansion of an existing site, housing the **Airbus Asia Training Centre** (AATC), a joint venture between Airbus and **Singapore Airlines**, and the company's Asia-Pacific spare parts distribution facility, operated by Airbus subsidiary **Satair**. New facilities at the campus include offices serving as the company's regional hub for its commercial aircraft, defense, space and helicopter businesses. In addition, a second Satair warehouse has increased storage volume and capacity by over 70%. Also located at the campus is the new South East Asia operation for the Airbus digital services platform Skywise. In addition to supporting Skywise customers, the team based in Singapore will be involved in exploring potential partnerships with start-ups and other technology providers in the region. Additionally, the campus will be home to a branch of the global Airbus Leadership University, providing training and tailored development programs for company employees. When operational, the Singapore facility will be second in Asia, complementing an existing center in Beijing, and will offer courses to employees based at Airbus offices across the region.



Official inauguration of Airbus' campus in Singapore

Photo: Airbus



Photo: WestJet

WestJet and **Delta Air Lines** have announced that they have withdrawn their joint application before the U.S. Department of Transportation for antitrust immunity. As a result, the airlines will not implement the proposed U.S. – Canada joint venture at this time.

All Nippon Airways (ANA) will temporarily change its flight frequency to select cities in Asia, Europe, and North America. Based on changes to immigration guidelines, recently instituted public health quarantine measures, and passenger demand, the company has adjusted its flight schedules from December to January for select routes. ANA will continue to monitor local immigration restrictions and quarantine guidelines as well as demand trends and travel viability as it decides on the frequency of flights and when to resume certain routes. Furthermore, ANA will adhere to the standards and protocols established by the "ANA Care Promise," its initiative to provide a clean and hygienic environment at airports and onboard aircraft so customers can travel safely and comfortably. Service for the Tokyo Narita – Shenzhen route will launch on Dec. 14. ANA will be the first Japanese airline to operate this route. In December, ANA will resume the Tokyo Narita – Phnom Penh route, and also increase the number of flights serving the Tokyo Narita – Singapore route, as well as the Hanoi to Tokyo Narita, Ho Chi Minh City to Tokyo Haneda, Ho Chi Minh City to Tokyo Narita and Yangon to Tokyo Narita routes. In addition, ANA will operate the Tokyo Narita – Dusseldorf route to meet high demand during the year-end and New Year holiday season. Tentative flights will be operated for the San Francisco to Nagoya (Chubu) and the Houston to Nagoya (Chubu) routes in anticipation of increased demand for travel from North America to Nagoya (Chubu) and the surrounding Chubu region of Japan. A total of 106 flights serving ten routes will be affected from Dec. 1, 2020 to Jan. 31, 2021.



All Nippon Airways

Photo: AirTeamImages

OTHER NEWS

An exclusive partnership designed to help airports recover from the most challenging period the aviation industry has ever faced has been signed by **Routes** and **Airports Council International (ACI) World**. The formal agreement between the two organizations will provide platforms and guidance for airports at a world level, recognizing the vital role they will play in driving economic recovery in a post-pandemic era. The coming together of Routes, the organizer of the world's leading route development forums, and ACI World, the association that advances the interests and acts as the collective voice for the world's airports respectively, demonstrates how the recovery of the aviation industry will have its foundation in collaboration. ACI World estimates the airport industry will suffer a 60% reduction in revenues in 2020 as a result of COVID-19, amounting to a decline of more than US\$100 billion. The complex challenge presented by the pandemic has therefore forced airports and airlines to be reactive, meaning that planning for summer 2021—what will be the industry's most important season—will be critical for both the short- and long-term recovery. The partnership forged at a global level between Routes and ACI World will support the world's airports in planning for this season, ensuring they continue to provide the economic and social benefits to the local, national and global communities that they serve. ACI World Director General Luis Felipe de Oliveira said: "The partnership we have forged with Routes will help move the industry forward down the path of recovery. Aviation is an interdependent and interconnected industry and partnerships like this will be crucial in supporting a globally consistent recovery. We look forward to working with Routes during the recovery process and beyond in support of airports and the wider aviation ecosystem."



Photo: Luis Felipe de Oliveira

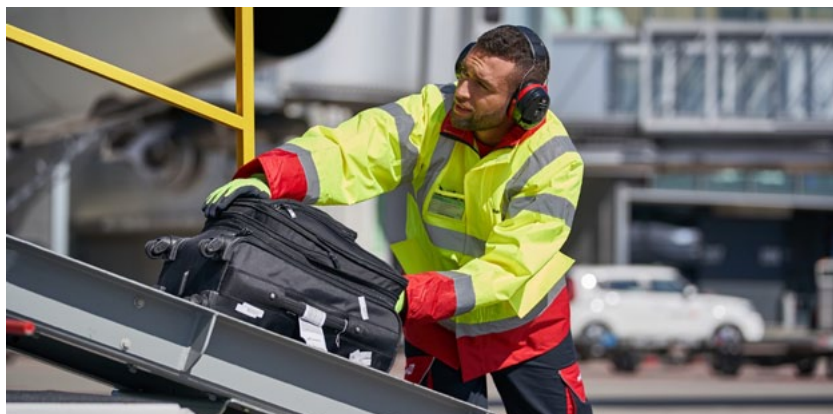


Photo: Swissport baggage handler

Swissport International has added Al-Qassim to its growing network in the Middle East. Last week, a first flight of **Pakistan International Airlines** was handled successfully at **Prince Naïf Bin Abdulaziz International Airport (ELQ)** in Central Saudi Arabia. With the handling of a first Pakistan International Airlines flight arriving from Multan, Pakistan, Swissport has added Al-Qassim International Airport, Saudi Arabia, to its growing network in the Middle East. The global leader for airport ground services and air cargo handling offers passenger and ramp services to the Pakistani flag carrier. Initially, Swissport will handle one weekly flight each to Multan and Islamabad operated with an Airbus 320 aircraft. These volumes are planned to grow as international flights are returning to Saudi Arabia.

Hawaiian Airlines is offering drive-through and walk-up COVID-19 pre-flight tests for its guests traveling to the islands from Los Angeles, Las Vegas, Portland and Seattle. Guests who test within 72 hours of their flight and receive a negative result prior to departure will be exempt from the state of Hawai'i quarantine. Hawaiian's guests in the Los Angeles area have exclusive access to the carrier's newest testing site that opened today in Culver City, its second location in partnership with Worksite Labs. Hawaiian began offering the \$90 shallow nasal swab tests—with results provided within 36 hours—last month near San Francisco International Airport. It will open its third site tomorrow across from the Main Street Casino Brewery Hotel in Las Vegas. The airline's guests departing from McCarran International Airport can also receive testing from University Medical Center of Southern Nevada (UMC) at the Las Vegas Convention Center, the UMC Advanced Center for Health or any of UMC's nine Quick Care locations. Meanwhile, Hawaiian has joined with US BioTek to offer nasal swab and saliva tests in Portland and three Seattle locations, including Shoreline, Redmond and Tacoma.



Photo: Hawaiian Airlines A321

OTHER NEWS

The **International Air Transport Association (IATA)** has launched the Aviation Carbon Exchange (ACE), an important new tool to help airlines meet their climate commitments. ACE is the first centralized, real-time marketplace that is integrated with the IATA Clearing House (ICH) for the settlement of funds on trades in carbon offsets. IATA's Clearing House ensures that ACE can offer a seamless and secure settlement system which guarantees payment and delivery of the carbon credits. JetBlue Airways is the first airline that made the historic transaction in the ACE platform. It purchased credits in the first phase of the Larimar wind farm project in the Dominican Republic which began development in 2015. When the entire project is completed it will reduce average emissions by more than 200,000 tons of CO2 per year. "Our planet is physically changing, as are the expectations of our customers, crew, members and investors," said Robin Hayes, CEO of JetBlue and Chair of the IATA Board of Governors, noting the importance of addressing the climate change challenge. "Airlines are serious in their commitment to reduce emissions. And they need a reliable tool to access quality carbon credits in real time. ACE will be a key tool helping airlines efficiently manage these important transactions," said Alexandre de Juniac, IATA's Director General and CEO.



Alexandre de Juniac

• The International Air Transport Association (IATA) announced that **Alexandre de Juniac**, Director General and CEO will step down from his role at the Association effective March 31, 2021. De Juniac made known his intention to step down from the Association several months ago which enabled a search process to facilitate a smooth leadership transition. The IATA Board of Governors has recommended to the 76th IATA Annual General Meeting (AGM) on November 24, 2020 the appointment of **Willie Walsh**, former CEO of International Airlines Group (IAG) to become IATA's eighth Director General from April 1, 2021.



Pascale Barhouch

• Jet Support Services (JSSI), an independent provider of maintenance support and financial services to the business aviation industry, has appointed **Pascale Barhouch** as Director of Business Development for the Middle East and India. Barhouch brings more than 13 years of experience to JSSI from across the aviation and aerospace industries. At JSSI, she will be based in Dubai and will be responsible for managing strategic sales and support plans in the region. Prior to joining JSSI, Barhouch held a variety of senior sales and marketing roles with ABJAD Group, Rizon Jet and, most recently, Gogo Business Aviation where she was responsible for product sales for aircraft communication and connectivity, satellite networks, and in-flight entertainment throughout the Middle East, Africa, Turkey, and Europe.

• Savback Helicopters AB will be establishing a presence in the U.K. for the first time with the appointment of **Rick Andrew** as Commercial Director, effective immediately. Andrew joins the family-owned business from Sloane Helicopters, the long-established Robinson and Leonardo Helicopters U.K.



Rick Andrew

sales distributor. He was close to the Robinson helicopter community in his former role as sales and business development manager, working across piston and turbine markets. As well as supporting existing Savback customers, Andrew will work with the team to identify new owners and opportunities. He will also represent the evolving Savback brand at European and U.K. shows in 2021, including Aero Expo and Private Flyer. Andrew's arrival is the first step in a wider strategic plan by the specialist, independent helicopter sales brokerage, coinciding with its 21st anniversary.

INDUSTRY PEOPLE



Vaclav Rehor

• **Vaclav Rehor**, the chief executive officer of Prague Airport, has been elected a member of the Board of Directors of the Airports Council International Europe (ACI Europe), a worldwide airport association. During his three-year term, he will represent the region of Eastern Europe and thus gain the opportunity to positively influence the shape of air transport in Europe. The election of new members to the Board of Directors, the supreme body of ACI Europe, took place on November 17, 2020. In total, ACI Europe associates over 500 airports and heliports from 45 European countries.

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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	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-100	DVB Bank	V2522-A5	2375	2005	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-100	FPG Amentum	V2527M-A5	3705	2008	Q2/2021	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
A319-100	BBAM	CFM56-5B5/P	2129	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A319-100	BBAM	CFM56-5B5	2249	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-100	BBAM	CFM56-5B5/P	1362	2000	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A320-200	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	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-200	DVB Bank	V2527-A5	2164	2004	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
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	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-230	DVB Bank	V2527-A5	2395	2005	Now	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-251neo	FPG Amentum	LEAP 1A26	8300	2018	Now	Sale / Lease	Niall Hayden	niall.hayden@fpg-amentum.aero	+353 83 154 6475
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 (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	AELF FlightService	CF6-80E1A3	466	2002	Now	Wet / Charter	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
A330-200	AELF FlightService	CF6-80E1A3	871	2007	Now	Wet / Charter	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
A330-200	AELF FlightService	PW4168A	970	2008	Now	Lease	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	Now	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	FPG Amentum	CFM56-7B27E	40259	2013	Q2/2021	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
B737-800	FPG Amentum	CFM56-7B26/3	35647	2009	Q2/2021	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
B737-800	FPG Amentum	CFM56-7B26/3	39162	2009	Q3/2021	Sale / Lease	Niall Hayden	niall.hayden@fpg-amentum.aero	+353 83 154 6475
B737-800	FPG Amentum	CFM56-7B26/3	39163	2009	Q4/2021	Sale / Lease	Niall Hayden	niall.hayden@fpg-amentum.aero	+353 83 154 6475
B737-800	GA Telesis	CFM56-7B26	30230	1999	Feb 2021	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	ALTAVAIR	CFM56-7B26	27985	2000	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
B737-800	ALTAVAIR	CFM56-7B26	28382	2000	Now	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
B737-800SF	GA Telesis		28826	1999	Q2/2021	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
B737-800SF	GA Telesis		32903	2002	Q4/2020	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
B737-900	BBAM	CFM56-7B26/3	34953	2007	Dec 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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
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
(20) DHC-8-400	FPG Amentum	PW150A	multiple 2003-2011	Now	Sale / Lease	Rupert Leggett	rupert.leggett@fpg-amentum.aero		+353 86 041 9902
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
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				
(1) CF34-3B1 (dual release tag)	Now - Sale	FL Technics	Modestas Valiusėvicius	m.valiusėvicius@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 Poly	bill.poly@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 Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF6-80E1A3	Now - Sale / Lease				
(1) CF6-80E1A4B	Now - Sale / Lease				
(2) CF6-80E1A4B	Now - Sale/Lease/Exch.	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(2) CF6-80E1	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(1) CF6-80E1A4B	Now - Sale / Lease	Castl lake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
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)					
(3) CFM56-5C4	Now - Lease	AELF FlightService	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
(1) CFM56-5B4/P (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0787
(1) CFM56-5B5/P	Now - Lease				
(1) CFM56-5B8/P	Now - Lease				
(2) CFM56-7B26 (full QEC)	Now - Lease				
(1) CFM56-7B24	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 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) CFM56-7B26	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@dvbank.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				
(1) CFM56-7B24/E	Now - Lease				
(1) CFM56-5B3/3	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(2) CFM56-5B4/P	Now - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-7B22	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@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 Poly	bill.poly@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@azures.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
(1) GE90-94B	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(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 Poly	bill.poly@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.				

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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

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) PW120A	Now - Sale				
(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	Now - 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				
(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@ftaiairline.com	+1 786 785 0787
(1) V2527-A5	Now - Lease				
(2) V2522-A5	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(2) V2527-A5	Now - Lease				
(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) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) GTC331-500B Trent 892B-17 Modules	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
(2) GTC331-200ER, (2) GTC331-9A, (1) GTC331-9B (1) A321 Enhanced Landing Gear 2020 OH	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
Neutral CFM56-7B QEC Kit	Now - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
Landing gear shipsets 737-800, 777, A320, A330	Now - Sale	GA Telesis	Danielle Rodon	landinggearsales@gatelesis.com	+1 954 865 9314
767-300ER 413K, 737-300 LANDING GEAR GTC331-98DHF APU A320 Nose Landing Gear CFM56-3 LPT MODULE, REPAIRED CFM56-3 ENGINE STAND	Now - Sale/Lease/Exch. Now - Sale/Lease/Exch. Now - Sale/Lease/Exch. Now - Sale/Lease/Exch. Now - Lease	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
(1) GTC331-150RJ, (2) GTC331-100M, (1) RE220RJ, (1) PW126 RGB, (1) PW901A (1) APS1000-C12, (1) APS1000-C3	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
GTC331-9A (2), GTC331-9B(2) GTC331-200, GTC331-250 APS500C14(3), APS1000C12(2), APS2000 APS2300, APS3200(2), APS5000(2) PW901A(4), PW901C(2) TSCP700-4E	Now - Lease Now - Lease Now - Lease Now - Lease Now - Sale / Lease Now - Sale	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
(1) PW901A APU Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale Now - Sale	Royal Aero ASI Aero	Gary MacLeod Dean Morgan	gary@royalaero.com deanm@asiaero.net	+44 (0)141 389 3014 +1 561-771-4253
(1) APU T-62T-40C (2) GTC331-9A, (2) GTC331-9B, (3) GTC331-350 (1) GTC331-200ER, (1) APS3200, (2) GTC331-500 Engine stands: CF6-80C2, CFM56-3, CFM56-5, CFM56-7, PW4000	Now - Sale	Castlelake GA Telesis	Stuart MacGregor John Wales	Stuart.macgregor@castlelake.com apu@gatelesis.com	+44 207 190 6138 +1-417-622-7215
(1) APU GTC331-9A, (1) APU GTC331-9B Engine stands now available	Now - Sale / Lease Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(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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