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# **Weekly Aviation Headline News**

#### **WORLD NEWS**

# British Airways extends travel health mobile app trial

AVITRADER publications

In response to tightening border controls by the UK government, British Airways has announced it intends to increase its trial of the VeriFLY digital health app across all International flights operating into the UK. The trial is part of the airline's ongoing work to explore digital health travel wallet and document verification solutions which help customers and support the government in ensuring conformance with the UK's entry requirements.

# Frontier Airlines plans to open crew bases in Tampa and Atlanta

Low-fare carrier Frontier Airlines will establish a crew base at Tampa International Airport (TPA) opening in May 2021. Approximately 250 flight attendants and 140 pilots will be based at TPA this year with that number expected to increase in the future. Additionally, the airline announced its intention to open a crew base at Hartsfield-Jackson Atlanta International Airport (ATL) in late 2021.

### Wizz Air expands in Bulgarian market

Wizz Air has announced a new seasonal base in Bourgas, Bulgaria. The airline will base 1 Airbus A320 aircraft at Bourgas Airport between 10 June and 12 September 2021. Along with the establishment of the new base, Wizz Air announced seven additional new services to seven countries from Bourgas starting from June 2021. Wizz Air's history in Bulgaria dates to 2005 when the first departed from Sofia to Budapest. The airline has carried almost 19 million passengers to and from Bulgaria in the past 16 years.



Canada has approved the purchase of Transat by Air Canada.

Photo: Airbus

#### Air Canada take over of Air Transat approved

While Westjet states anti-competitive concerns

The government of Canada has approved the purchase of Transat by Air Canada.

Transat A.T. Inc. has confirmed that the Canadian government has approved the arrangement with Air Canada. This authorisation is subject to the implementation of

significant undertakings agreed to by Air Canada, the object of which is firstly to ensure effective competition, and secondly to ensure public interest benefits (including maintaining a Transat head office in Québec, the preservation of jobs and the Transat brand, and the launch of new routes).

authorities now in hand, the other significant regulatory approval remaining to allow the parties to

With the approval of Canadian

"This decision shows blatant disregard for all Canadians who believe in healthy competition."

Ed Sims, WestJet CEO

consummate the arrangement is the approval of the European Commission. Given the time required for the Commission to review the last additional information requested, the review period has been extended and a decision of the Commission is now expected to be rendered in the first half of 2021.

"We are currently working on adjusting all of the deadlines, including our financing agreements, in order to align them

with the anticipated completion of the Commission's review process" commented Mr. Jean-Yves Leblanc, Chair of the special committee of the Board of Directors of Transat.

Meanwhile, Westjet has condemned the move saying the Government has ignored advice of its own Competition Bureau in the Air Canada takeover of Transat.

"This decision shows blatant disregard for all Canadians who

Continued on page 3



# **Engine Lease Finance**



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#### ...continued from page 1

believe in healthy competition," said Ed Sims, WestJet President and CEO. "When Canadians look to explore the world and reunite with family and friends once again, they will face fewer choices and higher fares."

The government's own Competition Bureau stated with regards to the proposed purchase, "Eliminating the rivalry between these airlines would result in increased prices, less choice, decreases in service and a significant reduction in travel by Canadians on a variety of routes

where their existing networks overlap."

"It is hard to imagine a deal as anti-competitive in any industry where the number one player buys number three without meaningful remedies," continued Mr. Sims. "This is a serious setback to Canada's economy. The Competition Bureau themselves described such cosmetic remedies as inadequate. Canadians should be profoundly disappointed."

#### AIRCRAFT & ENGINE NEWS

# Airbus hands over first completed cockpit upgrade for UPS Airlines' fleet of 52 A300-600 freighters



UPS A300-600F cockpit upgrade

Photo: Airbus

Airbus has handed over the first completed cockpit upgrade for UPS Airlines' fleet of 52 A300-600 Freighters. The aircraft (MSN868), revitalized with state-of-the-art Honeywell cockpit avionics, was redelivered to UPS on February 3, at Airbus' U.S. facility in Mobile Alabama following the certification by the EASA on December 22, 2020 and by the FAA on January 5, 2021. This is the first time that such a complex upgrade has been performed on the A300. UPS expects to have the entire fleet converted by peak season of 2022. The enhancements transform the A300-600 cockpit to confer the maximum operational flexibility and capabilities - bringing it close to current-generation of aircraft. Key to achieving this is the advanced new integrated avionics system supplied by Honeywell, which is based on its Primus Epic suite. The four large 10×8-inch LCD main displays and the new color multi-function control and display unit (MCDU), which replace several analogue instruments, are the most immediately visible changes to grace the A300-600's upgraded instrument panel. Other new 'under the hood' items include: a new flight management system (FMS); support for a worldwide navigation database; a new multi-mode receiver (MMR) incorporating the latest GPS-based satellite navigation systems; a digital datalink for communications with air traffic control (ATC); a central maintenance computer; and a digital weather radar system with turbulence detection and windshear prediction - among numerous other capabilities

#### Orders and deliveries - Boeing and Airbus

Airbus v Boeing: Orders and Deliveries									
January 2021 YTD									
	Airbus		Boeing						
Туре	Orders	Deliveries	Туре	Orders	Deliveries				
A220	0	3	737	-2	22				
A320 Family	0	16	747	1	0				
A330	0	1	767	0	1				
A350	0	1	777	0	3				
A380	0	0	787	-1	0				
Total	0	21	Total	-2	26				

Source: Airbus

Source: Boeing

Airbus reported 21 deliveries to 15 customers in January and no orders and no cancellations in the month. Boeing generated orders for four 747-8Fs for Atlas Air in January and delivered 26 aircraft including several 737 MAX jetliners.

# Volaris selects Pratt & Whitney GTF™ engines to power additional 80 Airbus A320neo Family aircraft



Volaris taps Pratt & Whitney GTFTM engines to power a further 80 Airbus A320neo Family aircraft Photo: P&W

Volaris has announced the selection of the Pratt & Whitney GTF engine to power an additional 80 A320neo family aircraft. Pratt & Whitney will also provide Volaris with engine maintenance through a EngineWise® long-term comprehensive service Volaris agreement. previously placed an order for 44 GTF-powered A320neo Family aircraft. This brings Volaris' total

commitment to 124 GTF-powered aircraft. Volaris is a low-cost carrier headquartered in Mexico City, Mexico and an affiliate of Indigo Partners. It was also the first airline in North America to fly the A320neo. Volaris currently operates 30 GTF-powered A320neo Family aircraft and a fleet of 56 V2500®-powered A320ceo Family aircraft. The three other airlines affiliated with Indigo Partners – JetSMART in Chile, Wizz Air in Hungary, and Frontier Airlines in the United States – have each selected GTF engines to power their A320neo family fleets. Together, the four Indigo Partners airlines have committed to 619 GTF-powered aircraft

# TRANSITIONING out of 737NG or A320 fleets? FORECASTING engine maintenance costs?

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#### Aero Capital Solutions acquires twenty A320 Family aircraft from easyJet through sale-and-leaseback



ACS completed a sale-and-lease-back transaction for 20 Airbus A320 aircraft from easyJet

Photo: AirTeamImages

Aero Capital Solutions (ACS), a leading mid-life aircraft leasing platform, has acquired twenty A320 Family aircraft from easyJet Airline Company on a sale-and-leaseback basis. The transactions were completed in two tranches during 2020. "Working collaboratively with our airline partners, we are able to build highly competitive and tailored solutions which support fleet development needs," said Daniel Watson, ACS' Chief Commercial Officer. "easyJet is one of the leading low-cost carriers in Europe, and including this recent transaction, is strategically well-positioned to emerge from the pandemic even stronger than before." The transaction was supported by Deutsche Bank and volofin Capital Management who acted as lenders to the transactions. Vedder Price represented ACS, Norton Rose Fulbright represented easyJet and Milbank represented the lenders.

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

# Rolls-Royce and HAL expand partnership with MRO and supply chain MoUs

Rolls-Royce and Hindustan Aeronautics Limited (HAL) have agreed to expand their partnership in India for collaboration in two significant areas - expanding the supply chain for both Civil and Defence Aerospace and establishing an authorized maintenance center for Adour Mk871 engines to support Rolls-Royce's global customers. Through these new collaborations, the two companies will build on their rich partnership of over 60 years, wherein Rolls-Royce engines have been 'made in India' and supported by HAL under license from Rolls-Royce. Rolls-Royce and HAL have signed a Memorandum of Understanding (MoU) to establish an Authorized Maintenance Centre for the Adour Mk871 at HAL to support international military customers and operators. HAL already has the capabilities and capacity to support a larger customer base, with over 30 years' experience in MRO of the Adour engines in India, under license from Rolls-Royce. The two companies have also signed a 'Letter of Intent' (LoI) to work towards making Adour Mk871 engine parts in India for several international customers. In addition, HAL has recently been awarded new business with Rolls-Royce to supply forgings including shrouds, cases, and seals for Rolls-Royce's Trent family of engines and for the Pearl 15 engines. These parts would be manufactured at HAL's Foundry and Forge Division at its state-of-the-art facility in Bengaluru.

#### GAMECO expands 737-800 Boeing Converted Freighter capacity to meet strong demand

GAMECO (Guangzhou Aircraft Maintenance Engineering Company Limited) has announced the addition of a third conversion line for the 737-800 Boeing Converted Freighter (BCF) at its Guangzhou facility. Concurrently, GAMECO is also inducting the first aircraft into its second

# United to work with Archer Aviation to accelerate production of advanced, short-haul electric aircraft



Rendering of Archer's upcoming all-electric eVTOL aircraft, to be unveiled in 2021  $\,$ 

Photo: Archer

United Airlines has completed an agreement to work with air mobility company Archer as part of the airline's broader effort to invest in emerging technologies that decarbonize air travel. Rather than relying on traditional combustion engines, Archer's electric vertical takeoff and landing (eVTOL) aircraft are designed to use electric motors and have the potential for future use as an 'air taxi' in urban markets. Under the terms of the agreement, United will contribute its expertise in airspace management to assist Archer with the development of battery-powered, shorthaul aircraft. Once the aircraft are in operation and have met United's operating and business requirements, United, together with Mesa Airlines, would acquire a fleet of up to 200 of these electric aircraft that would be operated by a partner and are expected to give customers a quick, economical, and low-carbon way to get to United's hub airports and commute in dense urban environments within the next five years. With today's technology, Archer's aircraft are designed to travel distances of up to 60 miles at speeds of up to 150 miles per hour and future models will be designed to travel faster and further. Not only are Archer's aircraft capable of saving individuals time on their commute, but United also estimates that using Archer's eVTOL aircraft could reduce CO2 emissions by 47% per passenger on a trip between Hollywood and Los Angeles International Airport (LAX), one of the initial cities where Archer plans to launch its fleet.



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

BCF line, which was announced in September 2020. With the addition of the third line, GAMECO will also take steps to implement a new takted production system. Based on the popular Next-Generation 737, the 737-800BCF is meeting customer demand for a newergeneration freighter that offers higher reliability and lower fuel consumption and operating costs per trip compared to other standard-body freighters. Primarily used to carry express cargo on domestic or short-haul routes, the airplane is capable of carrying up to 23.9 tons (52,800 pounds) and flying up to 3,750 kilometers (2,025 nautical miles). To date, the airplane has won more than 150 orders and commitments. According to the most recent Boeing Commercial Market Outlook, 2,430 freighters will enter the global fleet over the next 20 years to meet market demand, including 1,080 standard-body passenger-to-freighter conversions. Asia will account for approximately 40% of the standard body freighter market demand.

# AES awarded EASA and U.K. CAA Part21J Design Organisation Approval

Aerospace Engineering Solutions (AES) has released that its Shannon, Ireland, office has received full EASA Part21J Design Organisation Approval (DOA) further complimenting its U.K. Civil Aviation Authority (CAA) Part21J Design Organisation Approval. AES believe this approval structure will provide a transparent Supplemental Type Certification (STC) / Modification process following the U.K.'s departure from the EU. This approach will avoid the complication and risk associated to validation of STC's, repairs and modifications between the respective regulatory bodies within the U.K. and EU. This twin approval arrangement will provide its customers confidence so they can react quickly to the opportunities of a new aviation landscape.

#### FINANCIAL NEWS

# TUI reports first financial quarter 2021 results - fully prepared for holiday season

TUI continued to realign the Group in the first financial quarter of 2021 (October to December) against a backdrop of widespread lockdowns and massive travel restrictions and is prepared for a relaunch of its tourism business in the coming weeks. Tourism was the first industry to be affected by massive COVID-19 restrictions which came into effect in March 2020. With the approval of highly effective vaccines, more vaccinations, and reliable and widely available

#### Delta TechOps marks latest next-generation engine maintenance milestone

Delta TechOps teams completed the first engine maintenance visit of a Rolls-Royce Trent 7000 engine from a Delta A330-900neo at its state-of-the-art Technical Operations Center in Atlanta. The repair marks the first of many Trent 7000 engine repairs to come through Delta



Photo: Delta TechOps completed first engine maintenance visit of a RR Trent 7000 engine

TechOps' maintenance facility. While this first engine came directly from Delta's fleet, Delta TechOps will perform maintenance on Trent 7000 engines from airline customers around the world. Prior to the engine visits, TechOps' Assembly Shop, Repair & Support group, Engineering and many other teams spent months preparing for the build, part repairs, and engine test. This included aviation maintenance technicians and inspectors visiting the Rolls-Royce shop in the U.K. for special Trent 7000 training (prior to the COVID-19 pandemic). During the past few years, TechOps has made significant investments to further enhance maintenance capabilities, especially for next-generation engines that feature higher efficiency and less fuel burn. These major projects include the conversion of aircraft hangar bays into a new engine shop, development of a hot section repair shop, construction of the largest MRO test cell in the world and an additive manufacturing shop.

#### FINANCIAL NEWS

#### Aer Lingus and Dublin Airport Authority get financial help from ISIF



Aer Lingus

Photo: AirTeamImages

On Monday, February 8, the Irish Strategic Investment Fund (ISIF) released details of its commercial investments COVID-19 pandemic-hit businesses, which includes a three-year, €150 million loan to IAG's Irish airline, Aer Lingus, and a €40 million loan to the Dublin Airport Authority. The ISIF was launched in 2014 to invest in supporting economic activity and employment in Ireland. Last May it was mandated to directly invest

up to €2 billion in pandemic-hit larger firms through debt, equity and hybrid instruments. In relation to the loan extended to Aer Lingus Conor O'Kelly, the chief executive of the National Treasury Management Agency, which oversees ISIF, told a news conference that: "It is a commercial investment, it's not state aid," adding: "Probably the reason that Aer Lingus would want liquidity from us is it's possible that the banking system is going to find itself already over-exposed to the sector." Aer Lingus made it clear in a statement that the debt facility represented an important contribution to its future funding requirements while it is forced to navigate through the unprecedented crisis. Ireland's Finance Minister, Paschal Donohoe, felt confident the state would get its money back from the investments. "We want to get back out of these investments ultimately in two or three years' time. This is a temporary phenomenon. We're backing great companies who were great companies before the pandemic, they just help to get through," O'Kelly said. (€1.00 = US\$1.21 at time of publication.)

#### FINANCIAL NEWS

rapid tests, the groundwork has been laid for a return to basic freedoms and also open borders. During the reporting period, the measures initiated before the pandemic to realign the Group were further advanced. Cost discipline and liquidity strengthening measures were also consistently pursued. As a result, the monthly cash outflow was significantly reduced in the three reporting months (October to December), averaging around €300 million. Previously, the Group had expected €400 to €450 million. Adjusted EBIT on a constant currency basis was thus limited to €-698.6 million (previous year's quarter not affected by the pandemic: €-146.7 million). Revenue reached €468.1 million (previous year: €3.85 billion) despite significant travel restrictions and worldwide lockdowns. In the period under review, TUI had agreed a third corona financing package together with shareholders, banks and the Economic Stabilisation Fund (WSF) due to the ongoing pandemic situation. The package, with a total volume of €1.8 billion, was successfully completed in the last week of January. It included a rights issue, which will provide the Group with funds of around €500 million. The Mordashov family, as a strategic shareholder of the Group, participated in the capital increase beyond its previous stake and now holds 30.1% of TUI AG. Including the third financial package and the early redemption of the senior bond with a volume of €300 million due in October 2021, TUI had financial resources of €2.1 billion as at February 3, 2021. The Group thus secures further liquidity until the planned return of the business. Despite the current uncertainties due to the rapidly changing pandemic situation, demand for summer holidays is good. TUI has recorded a total of 2.8 million bookings for summer 2021 - around 56% of bookings at the same time for summer 2019, with average prices 20% higher than for summer 2019. Capacity for the 2021 summer program remains around 80% of the summer 2019 program. The uncertainties of the ongoing pandemic and ever-changing quarantine and travel requirements are also having an impact on the timing of bookings, as expected. As was already the case last summer and autumn, customers are booking at shorter notice and thus later in the year. (€1.00 = US\$1.21 at time of publication.)

# Mesa Air Group reports first-quarter fiscal 2021 results

Mesa's first-quarter 2021 results reflect net income of US\$14.1 million, compared to net income of US\$10.8 million in the first quarter of 2020. Mesa's pre-tax income in the first quarter was US\$18.9 million, compared to US\$10.8 million for the first quarter of 2020. Adjusted

#### MILITARY AND DEFENCE

#### Safran and HAL sign MoU on military engine collaboration



Safran and HAL have signed a MoU on M88 engine collaboration

Photo: Eric Drouin/Safran

Hindustan Aeronautics Limited (HAL) and Safran Aircraft Engines have signed a MoU (Memorandum of Understanding) announcing their intent to work together on bringing niche engine technology to India. Under the terms of the MOU, HAL and Safran Aircraft Engines intend to explore opportunities to assemble the Safran M88 engine and manufacture components for the engine with HAL for an additional batch of Rafale aircraft for India and for any aircraft manufactured in India by HAL fitted with the M88. The transfer of a significant amount of technology in the assembling/manufacturing programs is also contemplated. The MOU also encompasses collaboration between HAL and Safran Aircraft Engines for indigenization programs relating to design and development of high-thrust engines of 110 kN power and above with transfer of key technology in the framework of this development.

#### Bahrain Defence Force purchases one Avro RJ100 aircraft



Photo: Skyworld Aviation has sold one Avro RJ100 to the Bahrain Defence Force

On behalf of Braathens, Skyworld Aviation has concluded the sale of one Avro RJ100 aircraft to the Bahrain Defence Force. SE-DSZ (serial number 3380) will undergo maintenance at Norwich prior to ferrying to Bahrain. Seven out of the ten-aircraft fleet from Braathens have now been sold. The Bahrain Defence Force currently operates one Avro RJ85 and one Avro RJ100, both in VIP configuration.

#### FINANCIAL NEWS

pre-tax income was US\$18.0 million, compared to US\$14.3 million in the previous year. Mesa's first quarter 2021 results include, per GAAP, the deferral of US\$5.2 million of revenue, all of which was billed and paid by American and United during the quarter and will be recognized over the remaining terms of the contracts. The primary reason for the US\$3.7 million increase in adjusted pre-tax income from the first quarter of 2020 to the first quarter of 2021 was US\$11.3 million of benefit from the Payroll Support Program (PSP) under the CARES Act offset by the US\$5.2 million of deferred revenue and the impact of a 26% reduction in Contract Revenue related to reduced flying as a result of COVID-19. Additionally, Mesa's Adjusted EBITDA for the first quarter of 2021 was US\$47.4 million, compared to US\$47.4 million in the first quarter of 2020, and Adjusted EBITDAR was US\$57.5 million, compared to US\$58.8 million in 2019.

# Bombardier to lay of 1,600 staff – focus now on Challenger and Global jets

Bombardier is to continue its transition from plane and trainmaker to solely a business jet manufacturer as it looks to lay off 1,600 of its staff. The majority, 800, will be mostly those based in Quebec, though some 250 in Wichita are also likely to go as operations on the poorly performing Learjet are to be closed down. Spurred on by the consequences of the COVID-19 pandemic and its effect on the aerospace industry, the move comes as the company looks to generate US\$400 million in recurrent savings by 2023. Pre-pandemic, Bombardier had anticipated breaking even on free cash flow in 2020; this has now been altered to between 2021 and 2023. This year the company anticipates business jet deliveries will be in line with 2020, showing modest revenue growth, and with an adjusted EBITDA in excess of US\$500 million, as it closes down production of its Learjet later in the year in order to focus on the more profitable Challenger and Global business jet models. According to Refinitiv IBES data, analysts have estimated an average 2021 adjusted earnings before interest, taxes, depreciation and amortization (EBITDA) of US\$661.3 million. Bombardier reported a 19.7% fall in business jet deliveries to 114 in 2020, in line with industry trends. However, 2020 revenues from corporate aircraft activities increased by 3%, assisted by year-end deliveries of Global 7500 jets and a bounce back in demand. The company reported 2020 free cash-flow usage from continuing operations of US\$1.9 billion, while it expects to reduce cash burn in 2021 to better than US\$500 million. The company said it now has pro forma cash and cash equivalents of about US\$5.4 billion, including proceeds

#### MILITARY AND DEFENCE

#### First Japan KC-46 Tanker takes flight



Maiden flight of JASDF's first KC-46 tanker

Photo: Boeing

The first Boeing KC-46 tanker destined for the Japan Air Self-Defense Force (JASDF) took to the skies on its maiden flight on February 8. This successful flight highlights an important milestone as the aircraft now transitions into the certification phase of development. Japan is the KC-46 program's first international customer and is scheduled to receive its first jet this year. The KC-46 refueling certification encompasses U.S. Air Force, U.S. Navy, U.S. Marine Corps and JASDF aircraft. The U.S. Air Force awarded Boeing a US\$279 million contract for the JASDF's first KC-46A tanker in December 2017. The agreement was completed through the Foreign Military Sale process between the U.S. government and Japan. Japan is now on contract for a total of four KC-46 tankers. Boeing is assembling KC-46A aircraft for both the U.S. Air Force and Japan on its 767-production line in Everett, Washington. Boeing's Japanese partners produce 16% of the KC-46 airframe structure.

# French ministry for Armed Forces selects Airbus Survey Copter Aliaca fixed-wing drone systems to equip its ships



Launched by catapult, the Aliaca maritime UAS concludes its flight by landing automatically using a dedicated net landing solution *Photo: Airbus Defence and Space* 

Airbus Defence and Space mini UAS subsidiary SURVEY Copter has signed a contract with French Armament general directorate provide the to French Navy with (22 11 systems, aircraft), of the electrically powered fixed-wing Aliaca maritime version UAS (officially called

SMDM / "Systèmes de Mini Drones aériens embarqués pour la Marine" by French authorities), including training and integrated logistic support. First deliveries are expected in 2021. The Aliaca maritime UAS is a high-endurance versatile system allowing up to three-hour missions over a 50 km (27 Nm) range, perfectly adapted to maritime missions with high gyro stabilized EO/IR payload performances and qualified to operate in severe environmental conditions. Launched by catapult, the Aliaca maritime UAS concludes its flight by landing automatically using a dedicated net landing solution. With a length of 2,2m and a wingspan of 3,6m for a maximum take-off weight of 16 kg, the Aliaca maritime UAS benefits from a powerful yet silent electric motor. The system can be deployed easily and rapidly in less than 15 minutes by only two operators. It is designed to conduct several types of missions around the ships, including increasing the understanding of the tactical situation, control of illegal operations at sea, search-and-rescue, traffic monitoring, pollution detection, tracking of any suspicious behavior in the ship environment and coastal surveillance.

#### FINANCIAL NEWS

from the sale of its transportation unit, and a pro forma net debt of about US\$4.7 billion. Bombardier reported an adjusted loss before interest and taxes of US\$165 million for the quarter ended Dec. 31, as opposed to a profit of US\$168 million the previous year.

#### **OTHER NEWS**

After several months of intensive negotiations, Swiss International Air Lines (SWISS) has concluded that Aeropers pilots' association (Aeropers) is unwilling to commit to adequate contributions in response to the current crisis. "Without substantial contributions and an expanded scope of action during the coronavirus crisis, we believe it would be irresponsible from a corporate and a business perspective to retain the present collective labor agreement," explains SWISS Chief Operating Officer Thomas Frick. SWISS is therefore keeping to its original demand of negotiating a new collective labor agreement for its cockpit personnel. To this end, the company has served ordinary notice to terminate the present CLA on March 31, 2022, the first possible date for doing so, and invites Aeropers to enter into negotiations in good time on a new collective labor agreement. Like the rest of the global airline industry, SWISS has been severely affected by the coronavirus pandemic. In the first nine months of 2020 the company sustained an operating loss of more than CHF 400 million and saw its passenger numbers decline by around 70%. On top of this, the company is currently drawing on a state-backed bank loan facility of up to CHF 1.5 billion which it plans to repay as soon as possible. In response to these developments, SWISS has subjected itself to a rigorous costsaving program. Substantial cost economies are essential in all corporate areas. And with these aims in mind, crisis agreements extending over several years have been concluded with the company's social partners for its ground and its cabin personnel.

Delta is continuing its commitment to provide more space on board as the only U.S. airline to block middle seats and limit capacity on all flights departing through April 30, 2021, ensuring customers can confidently plan and book their spring travel. The airline has consistently listened to its customers and prioritized their preferences by offering more space through seat blocking and reducing the overall number of people on board each flight since April 2020. "We want our customers to have complete confidence when traveling with Delta, and they continue to tell us that more space provides more peace of mind," said Bill Lentsch, Chief Customer Experience Officer. "We'll continue to reassess seat blocking in relation to case transmission and vaccination

#### INFORMATION TECHNOLOGY



SITA smart low-touch solutions at Bahrain International Airport

Photo: SITA

Backed by SITA's stateof-the-art technology, Bahrain International (BIA) newly Airport's opened passenger terminal better prepared to respond to the changing demands of travel during the COVID-19 pandemic. The ultra-modern facility positions BIA as the most advanced boutique airport in the Gulf, increasing its capacity to 14 million passengers per year. A key focus for

Bahrain Airport Company (BAC), the airport's operator and managing body, was to optimize the passenger experience and operations to quickly recover from the pandemic through 2021 and beyond. Using SITA's Operations at Airports portfolio, the airport benefits from real-time insights, improved stakeholder collaboration, and increased agility to optimize operations. The solution includes SITA's Flight Info Displays Systems (FIDS), providing a dynamic platform for communicating important information and managing the passenger flow. SITA is also providing Flex, its advanced cloud-based passenger processing solution. Flex allows airlines and the airport to develop new cloud-native applications for passengers and airport workers that transform the passenger experience and create new revenue opportunities. Flex will be delivered with SITA Smart Path kiosks enabling a low-touch mobile and biometric-enabled check-in experience that combats COVID-19 by reducing passengers and staff risk of contracting the virus. The SITA solution also includes a baggage reconciliation system to help manage the delivery of passengers' bags end to end.

Seabury Solutions, a subsidiary of New York-based Seabury Capital Group and one of the market leaders in delivering aircraft M&E & MRO software solutions for the aviation industry, has announced that the U.S. regional airline, Ravn Alaska, has reiterated its ongoing commitment Alkym®, to company's



Photo: Ravn Alaska

to-end enterprise MRO IT platform. Bruce Gowling, Seabury Solutions' Senior Vice President, emphasized that "Alkym's end-to-end capabilities for managing aircraft maintenance, compliance, and material logistics provide the Ravn Alaska team with the right features to drive operational enhancements," in the areas of: gaining up-to-the-minute key performance indicators via Executive Dashboards, which optimize the airline's overall performance and adaptability to the demands of day-to-day operations; empowering the leadership team to focus on the most pressing management and operational issues via Trend Monitoring & Alerting; and streamlining the information flow and eliminating email-based information silos via a Fleet Management Console that serves as a central hub for cross-departmental communication. "These advantages, combined with other Alkym capabilities, enable Ravn Alaska to meet and exceed its financial and operational objectives, specifically increasing revenues, reducing and controlling costs while improving its industry reputation and goodwill in responding to daily operational requirements," expanded Gowling.

#### **OTHER NEWS**

rates, while bringing back products and services in ways that instill trust in the health and safety of everyone on board – that will always be Delta's priority."

Astronics Corporation has been awarded an order of approximately US\$11 million from Collins Aerospace (Collins) for business jet connectivity equipment. The order is a followon to previous orders for inflight connectivity (IFC) hardware that Astronics has been providing to Collins. Astronics' equipment supports the growing interest in the business jet connectivity services offered by Collins Aerospace. Having received many strong customer reviews, Collins' system provides unparalleled high-speed worldwide connectivity that enables a broad variety of remote conferencing services as well as streaming entertainment. "We are excited to extend and expand the relationship with Collins Aerospace to provide best-in-class connectivity equipment for its customers," stated Michael Kuehn, Astronics CSC President. "We believe this order validates the success of Collins Aerospace connectivity services and the performance of Astronics connectivity hardware. Improved connectivity for the business jet market has become an imperative and we are committed to providing the best connectivity capability available for aircraft with our technologies."

British Airways (BA) has announced that it is to start introducing blended fuel into its transatlantic flights from 2022. BA will be investing in a new Georgia-based LanzaJet U.S. plant which will produce sustainable aviation fuel (SAF) at a commercial-scale volume, which will be made from ethanol which has been derived from agricultural and other waste products. According to BA the fuel has the potential to reduce carbon emissions by 70% when compared to conventional aviation fuel. However, the SAV-to-conventional fuel mix will only be partial, despite the fact that SAF can be used up to a 50% substitution level. To date, demonstration flights - such as one conducted in 2018 by Virgin Atlantic with LanzaTech (from which LanzaJet was subsequently spun off) - was with a blend which included only 5% of the greener fuel. IAG, the owner of British Airways, intends to invest £300m (US\$414m) in SAV as part of its commitment to decarbonize by 2050, while it will also be looking to build a refinery with LanzaTech in the U.K., in addition to a waste-to-fuel plant in partnership with Velocys. BA said it expects the LanzaJet fuel to "be available to power a number of its flights by the end of 2022". Its chief executive, Sean Doyle, said: "Following the successful startup of the Georgia plant, we hope to then deploy the technology and SAF production capacity in the U.K." However, Doyle added that: "We need government support to drive decarbonisation and accelerate the realisation of this vision."



Air Charter Scotland Europe Citation CJ3 aircraft

Photo: Mario Caruana

**Air Charter Scotland**, a British private jet operator and aircraft management company, has ratified six months' preparation during the summer lockdown to secure an international **Maltese Air Operator's Certificate**. Two aircraft from its ten-strong fleet are now under the Maltese jurisdiction, enabling the business to operate within the EU under fifth freedom rights (the ability to fly between the 27 EU states), complementing its mainstay G-Reg operations out of the U.K. The first aircraft, 9H-EDT, a Bombardier Challenger 350, is based in Nice, South of France and the second, 9H-WIN, a CJ3+ is positioned in Malta. The latter took its new registration at the end of December, with Air Charter Scotland Europe becoming the last new operator of 2020 to be registered under the friendly jurisdiction. The business now has three dedicated crew based in Europe to support the operation.



NetJets buys a stake in the production of SAF

Photo: WasteFue

NetJets has announced a dual investment in sustainable air fuel producer WasteFuel. As the only private aviation company to invest in the production of sustainable aviation fuel (SAF), NetJets has acquired a stake in WasteFuel in addition to agreeing to purchase 100 million gallons of SAF over the next ten years. Currently the two companies have partnered with Prime Infra and are developing a plant in Manila, Philippines, which is due to begin production of SAF in 2025, which will then be shipped to the Unites States and distributed throughout the NetJets' network. At full capacity, annually, the biorefinery should be able to convert one million tons of municipal waste into 30 million gallons of SAF that will burn at least an 80 percent reduction in carbon compared to fossil-fuel based aviation fuels. WasteFuel's SAF has a Carbon Intensity (C.I.) of 0 compared to an average C.I. of 41 for alternative SAFs and a baseline of 89.4 for non-renewable aviation fuel. "Our waste can be our fuel. Our partnership with NetJets and Prime Infra marks the beginning of a bold new era in travel — the beginning of the hard work of making aviation truly sustainable." said Trevor Neilson, Chairman and CEO of WasteFuel. "Solid waste management remains a major problem in the Philippines, especially in urban areas like Metro Manila, which generates around 10,000 tons of garbage per day. A biorefinery that will convert solid waste into SAF will make a big impact in reducing solid waste and ensuing environmental and health hazards, landfill emissions, and fossil fuel use. An added bonus, it will create jobs for the local community," said Guillaume Lucci, President, Prime Infra.



#### **INDUSTRY PEOPLE**



Inflite The Jet Centre (ITJC), part of the Inflite Group companies, London based Stansted Airport, welcomed has Steve Bull to its management team as Senior Sales and

Business Development Manager. Bull joins from TAG Maintenance SA where he was customer support director, responsible for customer support interface and dealership agreements (on Bombardier and Dassault business jets), based at Farnborough Airport. Prior to that he held senior roles at Signature Aviation-owned H+S Aviation and sister company Dallas Airmotive. The appointment coincides with the merger, effective March 1, of the Excellence Aviation (EASL) Part 145 with Inflite The Jet Centre's Part 145. ITJC acquired the Bombardierfocused MRO business in February 2019, widening its portfolio beyond Embraer and Boeing BBJ support. Excellence Aviation CAMO activity will continue separately, with Steve Hughes at its helm as Head of Airworthiness.



Tiziana Masullo

• ATR has appointed Tiziana Masullo Managing Director and President of ATR Americas, a subsidiary of ATR. effective from December 2020. Based in Miami, Masullo previously served as

President of Services Sales and Contracts and succeeds Jurgen Lebacs. She will oversee a staff of 32 people covering the following areas: technical support and safety, training and flight ops, services sales and contracts, customer material support, GMA & Repairs, CSDs and FSR, finance and human resources. Masullo began her career with Leonardo, before moving to ATR where she has spent 27 years. With a lengthy background and many leadership positions in training, flight operations and services sales, as well as contract negotiation, she brings a wealth of experience to her new role. She is also the first woman to lead one of ATR's subsidiaries.

 Nasmyth Group has appointed Tony Sexton as Group Sales Director. Sexton



ioined Nasmyth Group in 2007 as Managing Director of IEC and has more recently held the position of Director of Systems and Defense for both the Nasmyth IEC and Nasmyth CE businesses. In his new position, he will

develop a new, integrated, global sales and marketing focus for the Nasmyth Group's U.K. engineering businesses and those in the U.S.A., India and the Philippines. The group has exciting opportunities for new and more established business across a range of customers and programs in sectors including Aerospace, Space, Defense, Energy etc. Sexton will lead Nasmyth's sales, business development and strategic teams to ensure the group successfully interfaces with global customers and partners and secures this business as it returns to a sustained growth phase. He will also lead the development of the Group's digital sales and marketing tools as the world rebuilds from COVID-19.



Warwick Brady

• Swissport International has appointed Warwick Brady President and CEO. He will succeed Christoph Mueller, who has been acting as the interim CEO since January 1, 2021. Mueller will become Chairman of

Board of Directors once Brady assumes the CEO role in Spring 2021. Brady is currently the CEO of Esken Limited, formerly Stobart Group, a British infrastructure, aviation and energy company with operations in the U.K. and Ireland. He has transformed Esken from a conglomerate into a business focused on aviation (airports, aviation services, regional airline) and renewable energy. As part of the restructuring, he successfully executed on M&A, operational turnarounds, complex financing and the strategic re-focusing of the business. Prior to his CEO role at Esken, he was Chief Operating Officer at EasyJet for nearly eight years and was part of the leadership team that transformed the airline into a FTSE 100 business.

• GA Telesis (GAT) has appointed Jessica Matthews as Managing Director of GAT Logistics Solutions. Matthews will be



Jessica Matthews

tasked with leading all aspects of strategy, operations, sales, contracts, revenue, and margin targets, as well as managing all future partnerships in the logistics space. Matthews will also be responsible for growing the GAT

Logistics Solutions network globally. The growth and emphasis on GAT Logistics Solutions is part of a larger strategy of the Flight Solutions Group's (FSG) ability to offer comprehensive, vertically integrated support solutions to its customer base worldwide. Spanning over 15 years, Matthews brings a wide management experience gained throughout increasing levels of responsibility in brand name corporate level logistics and 3PL commodity management.



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#### **Commercial Jet Aircraft**

Commerc	iai Jet Aircraft								
Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	DVB Bank	CFM56-5B63	3586	2008	Q2/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-100	DVB Bank	V2522-A5	2375	2005	Q1/2021	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	DVB Bank	V2527	4323	2010	Q2/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-200	BBAM	V2527-A5	2587	2005	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A320-200	ORIX Aviation	CFM56-5B4/3	3831	2009	Q1/2021	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	DVB Bank	V2527-A5	3734	2009	Q1/2021	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	Q1/2021	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
A321-231	DVB Bank	V2533-A5	6009	2014	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A321-231	DVB Bank	V2533-A5	6294	2014	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-200	ORIX Aviation	Trent 772B-60	1306	2012	Now	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A330-200	DVB Bank	CF6-80E	814	2012	Q1/2021				
						Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-200 (14x)	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	Q2/2021	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-200	Doric	CF6-80E1A4/B	883	2007	Q2/2021	Sale	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
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	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	DVB Bank	Trent 772B-6	1146	2010	Q2/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-300	DVB Bank	Trent 772B-60EP	1357	2012	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-300	DVB Bank	Trent 772B-60EP	1378	2013	Now	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-300	FPG Amentum	Trent 772B-60EP	1427	2013	Now	Sale / Lease	Rupert Leggett	rupert.leggett@fpg-amentum.aero	+353 86 041 9902
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	DVB Bank	CFM56-7B	30659	2003	Q1/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-700	GA Telesis			2005	Apr 2021	Sale for Part Out		aircraft@gatelesis.com	
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	CFM56-7B26E	40880	2012	Q1/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B26	30294		Now	Sale	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B26	33798	2003	Q1/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B26	33799	2004	Q1/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	DVB Bank	CFM56-7B26	34015	2004	Q1/2021	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
B737-800	ORIX Aviation	CFM56-7B26E	38034	2012	Q1/2021	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ALTAVAIR		27985	2000	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	
		CFM56-7B26							+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	Now	Sale / Lease	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	ALTAVAIR	GE90-115B		2006	Q1/2022	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
B777-300ER	ALTAVAIR	GE90-115B		2013	Q1/2022	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 2075351602
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









#### Regional Jet / Turboprop Aircraft

Regional Set / Turboprop Air								
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
(20) DHC-8-400 FPG Amentum	PW150A	multiple 20	03-2011	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
SAAB 2000 Jetstream Aviation Capital	AE2100A	031	1996	Q1/2021	Sale / Lease	Donald Kamenz	dkamenz@jetstreamavcap.com	+1 (305) 447-1920 x 115
SAAB 340B CRG Jetstream Aviation Capital	CT7-9B	224	1990	Q1/2021	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102
SAAB 340B Plus Jetstream Aviation Capital	CT7-9B	450	1998	Q1/2021	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102
Commercial Engines								
Multiple Types	Sale / Lease		Compa	any		Contact	Email	Phone
Multiple Engines GE / CFM / RB211	Now - Sale / Lease	)	GECAS	S Engine Leas	sing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
AE3007 Engines	Sale / Lease		Compa	any		Contact	Email	Phone
(3) AE3007A1P	Now - Sale/Lease/	Exch.	Region	al One		Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
CF34 Engines	Sale / Lease		Compa	any		Contact	Email	Phone
CF34-8E5	Now - Lease		Lufthar	nsa Technik A	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	)	Region	al One		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) CF34-3B1	Now - Sale / Lease		3			J	G 3 1	(,
(1) CF34-3B1 (dual release tag)	Now - Sale		FL Tec	hnics		Modestas Valiuševičius	m.valiusevicius@fltechnics.com	+370 6 54 96179
CF34-8E(s)	Now - Sale / Lease	)		S Engine Leas	sing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
(4) CF34-10E	Now - Lease		Willis L			Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CF34-8C5A1	Now - Sale/Lease/	Exch.		an Aviation G	roup	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715
(2) CF34-8C5B1	Now - Sale/Lease/		Ü		•	, , ,	71 30 3 3 1	
(2) CF34-8E5A1	Now - Sale/Lease/							
(2) CF34-10E6	Now - Lease		Engine	Lease Finan	ce	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
CF6 Engines	Sale / Lease		Compa			Contact	Email	Phone
(1) CF6-80C2B7F	Now - Sale / Lease	,	GA Te			Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF6-80E1A3	Now - Sale / Lease		0, 1 . 0	.00.0		Luao Wojoi	onone egatororis som	
(1) CF6-80E1A4B	Now - Sale / Lease							
(2) CF6-80E1A4B	Now - Sale/Lease/		ALTAV	/AIR		Clive Bowen	clive.bowen@altavair.com	+44 2075351602
(1) CF6-80C2B6F	Now - Lease	EXOTI:		viation LLC		Tom McFarland	tmcfarland@ftaiaviation.com	+1 786 785 0787
(2) CF6-80E1	Now - Lease		DVB B			Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(1) CF6-80E1A4B	Now - Sale / Lease	,	Castlel			Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
CFM Engines	Sale / Lease	<u></u>	Compa			Contact	Email	Phone
(2) CFM56-5A	Now - Sale			S Engine Leas	sina	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-3C1 unserviceable	Now - Sale		KMS A		J9	Sharon Brady	sharonbrady@kmsaero.com	+353 868161287
(2) CFM56-3B1 unserviceable	NOW - Gale		IXIVIO A	iei o		Onaron Brady	sharonbrady@kmsaero.com	+333 808 10 1287
(2) CFM56-5B (all thrust levels)	Now - Sale / Lease		Contra	il Aviation		Kevin Milligan	kevin@contrail.com	+1 949-933-0797
(2) CFM56-7B (all thrust levels)	NOW - Sale / Lease	,	Contra	II AVIALIOII		Keviii iviiiiigaii	Kevin@contrail.com	+1 949-933-0797
(1) CFM56-5B4/P (full QEC)	Now - Lease		ETALA	viation LLC		Tom McFarland	tmoforland@ftaiaviation.com	+1 786 785 0787
	Now - Lease		FIAIA	WIALION LLC		TOTTI MICE attailio	tmcfarland@ftaiaviation.com	+1 /00 /05 0/0/
(1) CFM56-5B5/P								
(1) CFM56-5B8/P	Now - Lease							
(1) CFM56-5B1/P	Now - Lease							
(2) CFM56-7B26 (full QEC)	Now - Lease							
(4) 051450 7007								
(1) CFM56-7B27	Now - Lease							
(1) CFM56-7B24	Now - Lease							
(1) CFM56-7B24 (1) CFM56-7B22 (with QEC)	Now - Lease Now - Lease		1400					
(1) CFM56-7B24 (1) CFM56-7B22 (with QEC) (4) CFM56-7B24/3	Now - Lease Now - Lease Now - Lease		Willis L	_ease		Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B24 (1) CFM56-7B22 (with QEC) (4) CFM56-7B24/3 (2) CFM56-5B4/3	Now - Lease Now - Lease Now - Lease Now - Lease		Willis L	_ease		Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B24 (1) CFM56-7B22 (with QEC) (4) CFM56-7B24/3 (2) CFM56-5B4/3 (2) CFM56-5C4/P	Now - Lease		Willis L	_ease		Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B24 (1) CFM56-7B22 (with QEC) (4) CFM56-7B24/3 (2) CFM56-5B4/3 (2) CFM56-5C4/P (1) CFM56-7B24/E	Now - Lease		Willis L	_ease		Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B24 (1) CFM56-7B22 (with QEC) (4) CFM56-7B24/3 (2) CFM56-5B4/3 (2) CFM56-5C4/P (1) CFM56-7B24/E (2) CFM56-5C4	Now - Lease		Willis L	_ease		Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B24 (1) CFM56-7B22 (with QEC) (4) CFM56-7B24/3 (2) CFM56-5B4/3 (2) CFM56-5C4/P (1) CFM56-7B24/E (2) CFM56-5C4 (1) CFM56-7B27/B3	Now - Lease		Willis L	_ease		Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B24 (1) CFM56-7B22 (with QEC) (4) CFM56-7B24/3 (2) CFM56-5B4/3 (2) CFM56-5C4/P (1) CFM56-7B24/E (2) CFM56-5C4	Now - Lease		Willis L	_ease		Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B24 (1) CFM56-7B22 (with QEC) (4) CFM56-7B24/3 (2) CFM56-5B4/3 (2) CFM56-5C4/P (1) CFM56-7B24/E (2) CFM56-5C4 (1) CFM56-7B27/B3	Now - Lease		Willis L	ease		Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950









	Commercia	I Engines	(cont.)
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Commercial Engines (cont.)					
(2) CFM56-7B26	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(3) CFM56-5B5/P	Now - Sale / Lease				
(2) CFM56-7B22	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(1) CFM56-3B2	Now - Sale	NihalAero	Tejpal Singh	tejpal@nihalaero.com	+65 90260551
(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				
(1) CFM56-5C4/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				
(1) CFM56-5B3/P	Now - Sale/Lease/Exch.	Magellan Aviation Group	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715
(2) CFM56-5B6/P	Now - Sale/Lease/Exch.				
(1) CFM56-7B26	Now - Sale/Lease/Exch.				
JT8D and JT9D Engines	Sale / Lease	Company	Contact	Email	Phone
(1) JT8D-219	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GE90 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) GE90-115B	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) GE90-94B	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) GE90-115BL (Propulsor)	Now - Lease	9	ŭ	5 0	
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(2) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) LEAP-1A33	Now - Lease			30	( ,
(1) LEAP-1A32	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) LEAP-1A26	Now - Lease	3	ŭ	3 0	
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) PW4056-1C	Now - Sale	Magellan Aviation Group	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715
(1) PW4056-3	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiaviation.com	+1 786 785 0787
PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW121	Now - Sale/Lease/Exch.	Magellan Aviation Group	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715
(1) PW127F	Now - Sale/Lease/Exch.	-	, , ,	7. 55 5 5 .	
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(1) PW123	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(3) PW150A	Now - Sale/Lease/Exch.				. (,
(4) 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	Editional Teorific AETCO ALZey	Nui Ebuon	J	145 0701 457 000
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.				
(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



Commercial Engines (cont.)
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Commercial Engines (cont.)					
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 772C-60	Now - Sale/Lease/Exch.				
(1) Trent-556-61	Now - Sale/Lease/Exch.				
(1) Trent 556A2-61	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 800	Now - Sale	NihalAero	Tejpal Singh	tejpal@nihalaero.com	+65 90260551
(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
(1) V2522-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) V2524-A5	Now - Sale/Lease/Exch.				
(1) V2527-A5	Now - Sale/Lease/Exch.				
(1) V2527E-A5	Now - Sale/Lease/Exch.				
(1) V2527M-A5	Now - Sale/Lease/Exch.				
(1) V2530-A5	Now - Sale/Lease/Exch.				
(1) V2533-A5	Now - Sale/Lease/Exch.				
(4) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2527-A5	Now - Lease				. (,
(1) V2527E-A5 (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiaviation.com	+1 786 785 0787
(1) V2527-A5	Now - Lease	. Trurinduon 220	Tom Moramana	inolaria de riala vialioniosin	117007000701
(2) V2522-A5	Now - Lease	DVB Bank	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
(2) V2527-A5	Now - Lease	BVB Burn	Jonathan Louch	alicialisales@dvbbalik.com	+44 207 230 4449
(2) V2527-A5	Now - Sale/Lease/Exch.	Magellan Aviation Group	Anthony Spaulding	anthony.spaulding@magellangroup.net	+1 980-423-0715
(3) V2533-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) V2535-A5	Now - Sale / Lease	-			
		GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
Aircraft and Engine Parts, Co	omponents and Misc				
Description		Company	Contact	Email	Phone
(1) GTCP331-500B	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules					
(2) GTCP331-200ER, (2) GTCP131-9A,	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) GTCP131-9B					
(1) A321 Enhanced Landing Gear 2020 OH					
Neutral CFM56-7B QEC Kit	Now - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
(1) RE220, (1) APS3200, (1) GTCP131-9A	Now - Sale / Lease	Magellan Aviation Group	Drew Megorden	drew.megorden@magellangroup.net	+1 704-340-0273
(1) GTCP131-9B, (1) GTCP331-500B	Now - Sale / Lease				
A320 Landing gear shipsets	Now - Sale	GA Telesis	Danielle Rodon	landinggearsales@gatelesis.com	+1 954 865 9314
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GTCP85-98DHF APU	Now - Sale/Lease/Exch.				
CFM56-3 LPT MODULE, REPAIRED	Now - Sale/Lease/Exch.				
CFM56-3 ENGINE STAND	Now - Lease				
(1) GTCP36-150RJ, (2) GTCP36-100M,	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) RE220RJ, (1) PW126 RGB, (1) PW901A					
(1) APS1000-C12, (1) APS1000-C3					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(1) PW901A APU	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)141 389 3014
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(1) APU T-62T-40C	Now - Sale	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(4) GTCP131-9A, (1) GTCP131-9B, (3) GTCP3		GA Telesis	John Wales	apu@gatelesis.com	+1-417-622-7215
Engine stands: CF6-80C2, CFM56-3, CFM56-5,		Ort Totobio	Stephen Toutt	stands@gatelesis.com	
	O1 14100-1, 1 VV-1000		Crephen routt	ourius@gatelesis.com	+1-954-676-3111
(1) API GTC131-0A (1) ADI GTC131 OF	Now - Sale / Leaso	Willie I asea	lennifer Marriam	leasing@willislease com	+1 (561) 240 0050
(1) APU GTC131-9A, (1) APU GTC131-9B	Now - Sale / Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) APU GTC131-9A, (1) APU GTC131-9B  Engine stands now available (2) PW901A, (1) PW901C(1), PW125B RGB	Now - Sale / Lease Now - Lease Now - Lease	Willis Lease  Lufthansa Technik AERO Alzey	Jennifer Merriam  Kai Ebach	leasing@willislease.com  k.ebach@lhaero.com	+1 (561) 349-8950