



## **Weekly Aviation Headline News**

## **WORLD NEWS**

## **LATAM Cargo announces new Brazil - Mexico service**

AVITRADER publications

Starting from April this year, LATAM Cargo Brazil will connect the markets of Mexico and Brazil with a weekly cargo frequency. The new operation will expedite the shipping process for shippers who need to reach their markets in the shortest possible time and allow the LATAM Cargo operators to offer an additional alternative to its existing cargo service onboard passenger aircraft.

#### **South Africa's Comair resumes** services

Comair has resumed operations following the suspension of its licence on the morning of 12 March. After an extensive review of Comair's documentation by the South African CAA over a fiveday period, the suspension has now been lifted. Comair which operates as a British Airways franchise reports making good progress towards restoring its full flight schedule to domestic and its regional routes within Southern Africa.

## **Resurrected UK carrier Flybe** prepares for relaunch

Born from the ashes of defunct carrier flybe, the new Flybe Ltd established in 2021 will begin selling tickets on March 22 with a full list of routes and destinations. The new carrier announced its first two bases of operation will be Birmingham and Belfast City Airport in the UK. Flybe plans to restart local economies across the UK and Europe with a planned fleet of up to 32 Dash-8 400 aircraft.



There is plenty of feedstock available

Photo: TAM

## Cargo prepares for turboprop resurgence

With TAM delivering on its Saab 340 conversion

The turboprop freighter market has seen a recent resurgence in demand from different markets. TAM, Täby Air Maintenance, delivered its 25th Saab 340 cargo

conversion, a 340B with msn 336 - a 29-year-old airframe. For the Saab 340 cargo, its finding new homes, chiefly as highdensity courier feeders in Europe and the U.S. ad-hoc charters and on routes where its hot-n-

high performance gives the Saab a competitive advantage.

Speaking to AviTrader Weekly Pär Gulle, TAM CEO says there were no major design or challenges with the conversion. "It is a good design and a well-built aircraft from the onset, and when necessary, our good relations with Saab, the original manufacturer, ensure that we get good general support."

"When it comes to parts manufacture, we have established a balanced mixture of in-house and subcontracted supply chains."

Pär Gulle, TAM Chief Executive

Further development of the Saab 340 cargo conversion, as well as in-house parts production for the next generation cargo converted Saab 340 is being prepared by TAM's Design Organisation.

"When it comes to parts

manufacture, we have established a balanced mixture of in-house and subcontracted supply chains to best cater for the needs of a particular customer or for our own

> cargo conversions." says Gulle.

> In addition, TAM has a continuous design development spanning from details to major reviews. where its recently introduced Cargo Conversion 2.0

brings a series of advantages, including weight savings and increased range among other benefits, indicates Gulle.

Delivery of the 25th Saab 340 cargo was an important milestone

Continued on page 3

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#### ...continued from page 1

for TAM which coincided with a new project for converting the larger Saab 2000 together with launch customer Jetstream Aviation Capital.

In terms of the feedstock situation for future conversions, Gulle is confident that there are plenty of aircraft still available, with more than around 200 Saab 340 aircraft

in operation. For the 340B specifically, data from <u>ch-aviation</u> shows 61 aircraft in operation with major operators being Rex-Regional Express and Loganair.

#### AIRCRAFT & ENGINE NEWS

## **Bluebird Nordic signs GSSA contract with NordicGSA**



Photo: Bluebird Nordic

From the start of this year, ECS Group company, NordicGSA in Denmark, has become the GSSA for the Icelandic cargo airline, Bluebird Nordic, an Avia Solutions Group company. Bluebird Nordic operates a fleet of nine Boeing B737Fs and recently signed leases for three Boeing 777-300ERs which are undergoing passenger-to-freighter conversion and which are expected to be operational in 2024. The GSSA contract signed with NordicGSA is unlimited. NordicGSA's responsibilities cover Bluebird Nordic's Monday to Friday daily flight operations from Billund (BLL), Denmark, to Keflavík (KEF), Iceland and back, with import distribution operations to Northern Germany. The main commodities being moved are fresh fish, fruit and vegetables, clothing, electricals, and other general freight.

## THC and Leonardo bolster corporate transport and EMS capabilities in the Kingdom of Saudi Arabia

THC (The Helicopter Company) and Leonardo are further reinforcing their collaboration in civil helicopter operations with the introduction of 16 AW139 intermediate twin-engine aircraft for emergency medical service (EMS) and corporate transport missions across the Kingdom of Saudi Arabia. Deliveries will start this year and will be completed within the following three years. These aircraft add to THC's existing AW139 fleet of seven helicopters. Six additional units may follow in the future expansion. The Saudi Public Investment Fund (PIF) established THC as part of its strategy to activate new sectors that meet the growing demands for commercial helicopters in Saudi Arabia. THC also supports the realisation of Vision 2030 and generates long-term commercial returns. THC is the Kingdom's first and only commercial helicopter operator and has been operating since mid-2019.



Photo: Leonardo and THC contract signing

## New airline Arajet signs orders 20 Boeing 737 MAX jets



New Caribbean carrier Arajet has placed an order for 20 Boeing 737 MAX jets with Boeing *Photo: Boeing* 

Arajet, the new Caribbean airline, has ordered 20 737 MAX airplanes from Boeing, specifically the high-capacity 737-8-200 model, to deliver low operating costs and expand affordable travel options in the Americas. Arajet also has options to purchase 15 additional 737 MAX jets which, along with existing lease agreements, could take the airline's new fuel-efficient fleet to 40 airplanes. The aircraft order was finalised in January. The airline hosted a launch event at its new hub in Santo Domingo, Dominican Republic, on March 14. Positioned between North and South America, this location in the Caribbean will leverage the range of the 737 MAX to efficiently serve a large number of traditional and underserved markets in the continental United States, Brazil, Colombia and beyond. Arajet's first aircraft, a Boeing 737-8 leased from Griffin Global Asset Management, was delivered in early March. As travel and tourism recovers globally, Arajet will bring approximately 4,000 new jobs and significant new economic development to the island nation. Tourism makes up 8.4% of the Dominican Republic's GDP.

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## **AIRCRAFT & ENGINE NEWS**

#### DHL and Singapore Airlines ink new agreement to expand partnership

DHL Express has entered into a Crew and Maintenance agreement (CM) with Singapore Airlines (SIA) to deploy five Boeing 777 freighters. This agreement marks a further step in DHL Express' expansion of its intercontinental air network to meet customer demand in fast-growing international express shipping markets. Travis Cobb, Executive Vice President Global Network Operations and Aviation, DHL Express, said: "With the deployment of five Boeing 777 freighters, we can expand our express service linking the Asia Pacific region with the Americas.



Rendering of a Boeing 777F aircraft in the joint DHL and SIA livery

Photo: SIA

Following the pandemic, we see good prospects for strong growth in trans-Pacific trade lanes. By collaborating with Singapore Airlines, we see a unique chance to establish a long-lasting relationship with a long-time partner who shares common values and operates at the highest standard." Based at Singapore's Changi Airport and serving DHL's South Asia Hub there, the freighters, which will sport a dual DHL-SIA livery, will be operated by SIA pilots on routes to the US via points in northern Asia. SIA will also oversee the maintenance of these aircraft. The initial agreement is set for more than four years with the opportunity for an extension. As part of the agreement, the first aircraft delivery will be in July 2022, with the second in October 2022. The remaining three aircraft are planned for delivery throughout 2023.

#### Cessna SkyCourier twin utility turboprop earns FAA type certification



Cessna SkyCourier has received FAA Certification

Photo: Textron Aviation

The Federal Aviation Administration has granted type certification for the new twin-engine, large utility turboprop Cessna SkyCourier. Using a clean-sheet design and advanced manufacturing processes, the high-wing aircraft's production line is underway and the first unit will soon enter the market with launch customer FedEx Express. Three SkyCourier aircraft accumulated more than 2,100 hours throughout the flight test programme, which formally started with an inaugural flight in May 2020. The company rolled out the first production unit of the SkyCourier earlier this year at the company's manufacturing facility in Wichita. Launch customer FedEx Express has agreed to an initial fleet order of 50 cargo aircraft and options for 50 more. FedEx Express participated in Textron Aviation's Customer Advisory Board along with other fleet operators to help shape the aircraft's design, features and serviceability.

## Lufthansa Cargo's first A321 freighter takes off for commercial flights

Lufthansa Cargo's first Airbus A321 freighter took off for service for the first time on March 15, 2022. Under flight number LH8350, the A321F took off from Frankfurt (FRA) to Dublin (DUB) before continuing to Manchester (MAN). The freighter christened "Hello Europe," was loaded with express freight and general cargo on its maiden flight. The twin-engine aircraft is operated by Lufthansa CityLine. With this market launch, Lufthansa Cargo is responding to the continued growth in demand from the e-commerce industry and can thus offer customers even more capacity and additional fast connections. To date, Lufthansa Cargo currently operates a freighter fleet of 15 of its own B777F aircraft. The second A321 medium-haul freighter is expected to enter service in late summer 2022. Both aircraft will be operated under a wet-lease agreement by Lufthansa CityLine, each under Lufthansa Cargo's flight number.



Photo: Lufthansa Cargo A321 freighter

## **AIRCRAFT & ENGINE NEWS**

## Pratt & Whitney successfully tests GTF Advantage engine on 100% SAF

Pratt & Whitney has successfully tested the GTF Advantage engine configuration with 100% sustainable aviation fuel (SAF). The test, which began on March 1, took place at the company's facility in West Palm Beach, Florida, USA and marks a key step on the road toward 100% SAF operation of GTF-powered aircraft. The test is also a key element of an extensive development programme to ready the GTF Advantage for entry into service in 2024, by validating the engine's performance on 100% SAF in thrust transients, starting and operability. "We're thrilled to have successfully tested the GTF Advantage engine on unblended SAF," said Graham Webb, Chief Sustainability Officer at Pratt & Whitney. "The GTF Advantage represents the greenest, lowest emission engine in the industry, and it is now demonstrating full operational capability for the greenest aviation fuels of today and tomorrow. Operation on 100% SAF is a key component of the industry's commitment to net-zero carbon emissions by 2050 and the completion of these tests get us closer to that goal."



Photo: Pratt & Whitney successfully tested the GTF Advantage engine configuration with 100% SAF

## Global Crossing Airlines and Eve sign LoI to purchase up to 200 eVTOL aircraft



GlobalX over Miami

Photo: Embraer

With deliveries anticipated to commence in 2026, Embraer offshoot Eve and Global Crossing Airlines (GlobalX) have signed a Letter of Intent (LoI) for the purchase of up to 200 eVTOL (electric vertical take-off and landing) aircraft. In addition, the two companies will explore the development of an ecosystem to scale Urban Air Mobility (UAM) and to reinforce the Concept of Operations (CO-NOPS) in Miami-Dade. GlobalX's expertise as a flag airline will contribute not only to the formulation of the infrastructure needed to permit eVTOL flights, but also the deployment of Eve's aircraft throughout its network. GlobalX is a US 121 domestic flag and supplemental airline flying the Airbus A320 family aircraft. GlobalX flies as a passenger ACMI and charter airline serving the US, Caribbean and Latin American markets. Backed by Embraer's more than 50-year history of aerospace expertise and with a singular focus, Eve is taking a holistic approach to progressing the UAM ecosystem, with an advanced eVTOL project, a comprehensive global services and support network and a unique air traffic management solution. "We are honoured to be working with Eve Air Mobility

and believe their affiliation with Embraer ensures Eve will be the best positioned eVTOL OEM. These eVTOLs will enable us to expand our market throughout south Florida, bringing our customers to their flights at MIA and FLL, as well as local flying within Key West and all of the Keys, Naples, and Palm Beach." said Ed Wegel, Chair and CEO of GlobalX.

## Leonardo secures contract for two AW139 helicopters from US Department of Energy's National Nuclear Security Administration

Leonardo has secured a contract for two AW139 helicopters from the US Department of Energy's National Nuclear Security Administration (NNSA). The NNSA through the Department of Energy has two locations: on the East Coast at Andrew's Air Force Base in Maryland and on the West Coast at Henderson Airport in Nevada. NNSA helicopters are equipped with a variety of sensors that relay data back to NNSA headquarters while covering highprofile events such as the Super Bowl, in addition to aiding the Federal Emergency Management Agency during disaster relief. The NNSA AW139s will serve two main purposes, search and rescue (SAR) and disaster topography scans. Both aircraft are expected to be delivered in 2024.



The National Nuclear Security Administration has ordered two AW139 helicopters from Leonardo Photo: Leonardo

## **AIRCRAFT & ENGINE NEWS**

#### NetJets, Lilium and FlightSafety International team up for private aviation sustainability growth

Netjets, a world-leading private jet company and Lilium N.V. (Lilium), maker of the Lilium Jet, an all-electric vertical take-off and landing (eVTOL) jet, have signed a memorandum of Understanding (MoU) partnering with FlightSafety International (FlightSafety), creating a strategic partnership that will see NetJets obtain the rights to purchase 150 Lilium eVTOLs. NetJets intention is to provide Lilium with support for a private sales campaign while also investigating a business model for Lilium's Florida network, together with other North American and European locations. Lilium jets provide operators with a flexible four-or six-seat layout for both premium and shuttle configurations. The Lilium Jet delivers high performance with zero operating emissions which will enable NetJets to further its sustainability efforts by presenting its customer base with alternatives for regional transport. FlightSafety's involvement comes in the form of providing products and services including courseware, industry-leading immersive and



NetJets, the world's leading private jet company, plans to add a sustainable fleet of Lilium Jets Photo: Lilium

mixed-reality training devices and crew training in support of Lilium Jet operations. NetJets operates the world's largest fleet of private jets, and its strong owner base will provide Lilium with scale and support for its ecosystem in the US, where plans for a Florida transport hub continue to progress. Daniel Wiegand, Co-Founder and CEO of Lilium said: "This partnership is a major step in our mission to build radically better ways of moving and to electrify regional air travel. We believe that the private and business professional segments will be highly attractive markets in the future and, likewise, early adopters of the eVTOL revolution." "Our focus on technology and adaptive learning will help prepare aviation professionals with the highest levels of expertise to support operation of the Lilium Jet," said Brad Thress, President and CEO of FlightSafety International. Adam Johnson, CEO of NetJets said: "We're delighted to partner with Lilium's experienced team to provide sustainable flight services to our customers. Lilium's aircraft will expand our fleet options and provide our customers with a new and flexible means of private air travel."



## **MRO & PRODUCTION NEWS**

## AES awarded EASA STC for Full Economy **Layout on Boeing 737NG**

Aerospace Engineering Solutions (AES), a UK and Ireland aerospace design and certification organisation, has announced that the company has been awarded the Supplemental Type Certificate (STC) for the introduction of Full Economy Passenger Layout on Boeing 737NG aircraft types, by the European Union Aviation Safety Agency (EASA). AES has developed this generic EASA STC (No. 10077620) for 189-cabin configurations and applies to the B737NG family following the release of EASA Certification Memo CM-21.A-CS-001 Issue 02, the installation/reconfiguration of all aircraft cabins that involve 16G / 25.562 shall be considered as a major (STC) change. The STC has been established to add further variations under the agreement of the agency providing an adaptable and innovative solution.

## **HAECO Composite Services completes flight** control surfaces repair work for Xiamen Air-

HAECO Composite Services, a member of the HAECO Group specialising in composite repair for nacelles, radomes and aerostructures, has completed repair work for a Xiamen Airlines' aircraft damaged by a severe hailstorm. To facilitate the extensive repair of the flight control surfaces on the Boeing 737 aircraft, HAECO Composite Services worked hand in hand with Xiamen Airlines' Fuzhou base maintenance team on this urgent task. Some 32 units including ailerons, elevators, flaps, slats, spoilers, and wedges were promptly shipped to HAECO Composite Services to kick off immediate repair work. Through mutual collaboration with the airline's engineering and procurement teams in Xiamen and Fuzhou, HAECO Composite Services

## Fokker Services unveils new component maintenance technology



Photo: Fokker Services has installed new Twin Wire Electric Arc Spray technology at its LaGrange, GA, USA facility

Fokker Services, an independent aerospace service provider, has installed new, fully automated twin Wire Electric Arc Spray technology at its LaGrange, GA, USA facility. Together with recent investments in additional machining and grinding equipment, this thermal spray capability allows the team to manage the entire component restoration process in-house for hundreds of part numbers. Craig Winter, Managing Director at Fokker Services Americas, said: "At Fokker Services Americas, we continue to bring more component MRO capabilities in-house. By restoring surfaces on a variety of hydraulic, pneumatic, flight control, and high-speed rotating components in our shop, we are taking control of the total restoration process. The industry status quo is to replace these components with new parts or outsource these types of repairs. By challenging this idea, we are streamlining our processes and passing on the time- and costsaving benefits to our customers." The application and grinding of multiple thermal spray coatings is completed precisely, efficiently, and safely with the use of a robotic arm. As a result, the team offers high-quality repairs and improves turnaround times while restoring and salvaging various parts, such as housings, shafts and pistons. This technology is the latest addition to a range of well-established equipment at the facility, including the Eddy Current Dynamometer test stand, Air Driven Pump test stand, Air Cycle Machine test cell, and more.

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## **MRO & PRODUCTION NEWS**

worked around the clock to meet the customer's turn-around time expectations, and efficiently returned the units in pristine condition.

## AAR signs exclusive distribution agreement with Collins Aerospace's Goodrich De-icing & Specialty Heating Systems business

AAR has signed an exclusive distribution agreement with Collins Aerospace's Goodrich De-Icing & Specialty Heating Systems business. Through this agreement, AAR will provide airlines, other aircraft operators and MROs globally with de-icers and supporting products. Product offerings include patented technology and are predominantly used on general aviation aircraft, regional turbo-prop aircraft and most multi-engine piston business aircraft.

## Safran and Boeing Commercial Airplanes sign renewal of electrical wiring contracts

Boeing's Commercial Airplanes unit and Safran Electrical & Power have signed the renewal of electrical wiring contracts. This renewal covers the Boeing P8, 737 MAX, 767 Freighter, 777 and 777-X programmes. The Boeing 787 Dreamliner and 767-2C remain on contract as well. Today, more than 1,500 Safran Electrical & Power employees in Morocco, Mexico and the United States provide engineering, manufacturing and support services to Boeing Commercial Airplanes. In 2021, the company produced more than 225,000 electrical wire assemblies for the Boeing programmes, i.e., the 767 Freighter and 737, 777, and 787 airplane families. Photo: Safran

## MTU Maintenance and LATAM Airlines use sustainable fuels for engine tests

MTU Maintenance has joined forces with LATAM, Latin America's largest airline, to use sustainable aviation fuel (SAF) in test runs. A V2500 engine of the airline was recently tested at the MTU site in Hannover, Germany, with a 10% SAF fuel blend. The fuel used is derived from waste fats, oils and lubricants and produces up to 80% less greenhouse gas emissions per gallon than paraffin over its entire life cycle. Thus, around 0.6 tonnes of CO2 were saved during the test run. In future tests, the SAF proportion will be increased to up to 50%, which is the maximum limit currently permitted.

## Delta and Airbus sign MoU for hydrogenpowered aircraft development and associated ecosystem

As part of the drive towards net-zero carbonemissions air travel, Delta Air Lines (Delta)

#### **Comlux launches Comlux Tech**

Comlux has launched a new cross-functional organisation within the Group, Comlux Tech. The entity will offer to its customers a wide range of "à la carte" after-sales services complementing the core activities of the



Photo: Comlux has launched Comlux Tech

divisions of the Group – aviation, completion and transaction.

The services proposed by Comlux Tech are deployed into four main activities:

- Technical Services, from avionics and cabin upgrades to line and base maintenance including an AOG recovery team
- Operational Services, including sourcing of fuel, ground handling and hangarage to sub-charter management and warranty administration insurance handling
- Consulting Services, from aircraft selection and appraisals to pre-purchase inspections and entry-into-service support
- Crew Services, including sourcing and training of flight crew, cabin crew and flight support engineers

The launch of Comlux Tech is aligned with the latest key programmes in development within the Group: the all-new ACJTwo Twenty which will enter service in early 2023 with Comlux Aviation and will be provided with technical support in service by the Comlux Tech organisation. The launch of the construction of a brand-new maintenance and refurbishment hangar at Mohammed Bin Rashid Aerospace Hub, Dubai World Central (OMDW/DWC) airport will serve Comlux Tech customers in the Middle East from the end of 2023.

## Bamboo Airways and AFI KLM E&M lay foundation for extensive cooperation



Bamboo Airways and AFI KLM E&M have strengthened their ties by signing an MOU, paving the way for future collaborations Photo: AFIKLME&M

AFI KLM E&M and Bamboo Airways have set a basis for new cooperation over the long-term future, via an MOU outlining the MRO's potential deployment of adaptive support solutions across a range of domains. Following on from their initial contracts focusing on the maintenance of Bamboo Airways' fleet of Boeing 787, Airbus A320 and Embraer aircraft, the MOU outlines the possibility of extending commercial relation in the field of engine support, including taking on shop visits for the GEnx engines fitted on Bamboo Airways' Boeing 787 fleet and for the engines equipped on its A320 family. AFI KLM E&M may also be called upon for new C-Check maintenance visits for the Boeing 787s at its facilities in Amsterdam, as well as line maintenance operations across an extended stopover network based on the destinations Bamboo Airways flies to. The Vietnamese operator will also gain access to the capabilities of EPCOR, the AFI KLM E&M affiliate specialising in the maintenance of APUs, for support of its APS2300 (EJets) and APS5000 (Boeing 787) products.









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## **MRO & PRODUCTION NEWS**

and Airbus have signed a Memorandum of Understanding (MoU) whereby, as part of its Flight to Net ZeroSM plan to scale and advance sustainable technologies, Delta will become the first US carrier to work with Airbus on research and development in the field of hydrogen-powered aircraft together with its associated ecosystem. Delta will be responsible for identifying fleet and network expectations together with the operational and infrastructure requirements needed to develop commercial aircrafts powered by hydrogen fuel. In particular Delta will focus on exploring the technical and economic viability of hydrogen-fuelled aircraft and assessing the infrastructure that will be needed to develop green hydrogen, bringing it to scale and implementing at airports nationwide. "To decarbonise aviation, we need to develop the right technology bricks and a dynamic hydrogen eco-system," said Julie Kitcher, Airbus E.V.P. Communications & Corporate Affairs. "Through close collaboration with key partners, such as Delta, we will integrate our customers' expertise and specific needs to ensure our zeroemission aircraft will be a game-changer for sustainable aerospace." The MoU builds on Delta's recent investment through its pension plans in TPG Rise Climate fund, which focuses on supporting climate solutions at scale. Delta has also joined the First Movers Coalition, a public-private partnership and platform designed to accelerate and scale the development of breakthrough climate technologies.

## FINANCIAL NEWS

## Willis Lease Finance posts annual pre-tax profit of US\$9.1 million

Willis Lease Finance Corporation has reported annual total revenues of US\$274.2 million a 5% decrease when compared to US\$288.7 million in the prior year. Revenue for the three months ended December 31, 2021, was US\$75.8 million, up 23.3% from the comparative period in 2020. Lease rent revenue was US\$134.8 million in 2021, off 5.6% from 2020. Pre-tax profit was US\$9.1 million compared to US\$17.3 million in 2020. For the year ended December 31, 2021, aggregate lease rent and maintenance reserve revenues were US\$208.8 million and spare parts and equipment sales were US\$17.4 million. The company reported increased total revenues in the fourth quarter when compared to the prior year period, primarily due to both an increase in lease rent revenue and gain on sale of leased equipment and financial assets, partially offset by a reduction in long-term maintenance revenue. "We continued to see a slow recovery during the second half of 2021 as travel began to open on a global basis only to be dampened again near year-end by COVID-19 variants," said Charles F.

#### JMC Group wins contract for FLS tasks with Ryanair

JMC Group has signed an agreement to support nine aircraft through the Boeing 737 Flight Length Sensitive (FLS) inspection programme with low-cost carrier Ryanair. The agreement marks the first time the two companies have worked together, with the two lines of nose-to-tail FLS inspections taking place throughout the remainder of the winter season. FLS tasks require mandatory fuel tank structure inspections, which involve JMC technicians carrying out all the preparation for NDT (Non-Destructive Testing) by removing sealant and cleaning, often working in compact areas with limited accessibility. After the necessary inspections are completed the JMC technicians will re-seal the disturbed areas. Joel Crook, JMC Group's Project Manager for Fixed Price Engineering has been tasked to oversee the team of specialist engineers and ensure all aspects of the work are managed in line with Ryanair's requirements. To date JMC Group has overseen over 35 FLS projects across Europe.



Ryanair B737 FLS mods will be carried out by JMC engineers Photo: JMC Group

## MTU Maintenance Zhuhai breaks ground on new training centre



Ground-breaking ceremony for MTU's new training centre in Zhuhai

Photo: MTU

MTU Maintenance Zhuhai, the joint venture between MTU Aero Engines and China Southern Airline Company has held a ground-breaking ceremony for the construction of a new engineer training centre which will become operational in the earlier part of 2023. It is anticipated that between 50 and 100 new engineers will be trained

each year. The company has existing engineering facilities in Zhuhai and in 2021 it began building new premises in Jinwan to cover engine disassembly, assembly and testing which will be served by the new training centre as well as the existing premises in Zhuhai. The Jinwan premises should become operational by 2024 and will initially have capacity for 260 maintenance procedures, focusing on Pratt & Whitney PW1100G-JM and V2500 engines. The main technical achievement of the new training centre will be successfully reducing turnaround times (TAT) for engine maintenance by implementing the highest quality standards and a dual training system which is currently used in Germany, which is a combination of theoretical and practical training, will also be applied in Zhuhai. "With a training centre, MTU Maintenance Zhuhai will get on a fast lane to be a company with abundant talents and high-quality development," says Wu Rongxin, Chief Engineer of China Southern Airlines, and General Manager of Engineering Technology, China Southern. "Building the training centre is part of our long-term growth strategy at the Zhuhai site," says Michael Schreyögg, Chief Program Officer of MTU Aero Engines. "At MTU, we believe in the future of the aviation industry and in the growth and strength of the market for engines for short and medium-range aircraft in Asia. That is why we are so committed to expanding our network."

## FINANCIAL NEWS

Willis, Chairman and CEO. "COVID-related travel prohibitions have been relaxed more recently, but now the industry faces new stresses associated with geo-political issues that are tragic on every level. As always, we continue to focus on the things we can control, and we believe the Company is well positioned to help our customers provide an essential product: air travel."

## IAI reports full-year 2021 net income of US\$148 million

Israel Aerospace Industries (IAI) has reported a 2021 growth in sales to US\$4,477 million, compared to US\$4,184 million in 2020. The company reported an 11% increase in net income to US\$148 million compared to net income of US\$133 million in 2020 and 10% growth in annual EBITDA to US\$436 million compared to US\$397 million in 2020. Gross profit in 2021 increased by US\$31 million, to US\$696 million in 2021 compared to US\$665 million in 2020. Annual operating profit increased 11% to US\$217 million compared to US\$195 million in 2020. R&D activity (in-house and contracted) increased 5% in 2021 to US\$1,083 million compared to US\$1,036 million in 2020. Order backlog at the end of 2021 was US\$13.4 billion, representing three years of operation, compared to US\$12.6 billion at the end of 2020. IAI reported free cash flow of approx. US\$905 million. (£1.00 = US\$1.31 at time of publication).

## Acciona enters strategic partnership with Eve UAM with investment of US\$30 million

Acciona, a global company leader in the provision of regenerative solutions for a decarbonised economy and Eve UAM, an Embraer company, have entered into a strategic partnership to accelerate the development of a global and sustainable Urban Air Mobility ecosystem. Under the terms of the partnership, upon the consummation of Eve's business combination

## MILITARY AND DEFENCE

## Boeing begins building of first P-8A Poseidon maritime patrol aircraft for Air New Zealand



Photo: Boeing P-8A aircraft

Boeing P-8A team members and Spirit AeroSystems employees have laid the keel beam for New Zealand's first P-8A. This process, also called 'keeling,' was done at the Spirit AeroSystems facility where all Boeing 737 fuselages, nacelles and pylons are designed and built. Laying the keel is an important production milestone during the build of any ship or aircraft and represents the cornerstone of this latest P-8. An aircraft keel runs the length of the fuselage belly. Due to the innovative in-line approach to the build of commercial derivative aircraft pioneered on the P-8A, the keel beam on a P-8 is different from the typical 737 keel beam. The P-8 keel includes unique aspects of the P-8 configuration, such as the integration of an internal weapons bay. The panel and other fuselage components will be completed on Spirit's existing 737 production line. Spirit will ship the P-8A fuselage to a Boeing Commercial Airplanes facility in Renton, Washington for final assembly. After that, Boeing Defence, Space & Security employees will install mission systems and complete testing prior to delivery to New Zealand later this year. In total, four Boeing P-8A Poseidon maritime patrol aircraft will eventually replace New Zealand's current fleet of six aging P-3K2 Orion aircraft providing advanced capabilities to maintain situational awareness in neighbouring waters on and below the surface of the ocean. The New Zealand Defence Force is a P-8 foreign military sales customer and is one of eight global customers. Current P-8 operators include the US Navy, the Royal Australian Air Force, the Indian Navy, United Kingdom's Royal Air Force and Norway's Royal Norwegian Air Force.





## FINANCIAL NEWS

with Zanite Acquisition Corp., Acciona will invest US\$30 million (£20 million) and will join the group of strategic investors that are currently supporting the development of Eve and its business plan. As part of the agreement, José Manuel Entrecanales. Acciona's Chairman and CEO, will become one of the seven members of the Board of Directors after Eve's listing on the New York Stock Exchange (NYSE), which is expected to happen in the second quarter of 2022. The partnership will also benefit novel industrial initiatives in the development of a sustainable UAM ecosystem, including vertiports, power purchase agreements, battery charging solutions, and handling. In 2021, 93% of the Acciona Group's investments were aligned with the European Union's taxonomy for sustainable activities. The company avoided the emission of 13.4 million tonnes of CO2 (+1.5%) during the year, ending that year as the most sustainable electricity company in Spain and the second most sustainable worldwide, according to the Sustainability Yearbook 2022 published by S&P Global.

## Rolls-Royce North America US\$400 million in Indiana test facilities

Rolls-Royce North America will invest US\$400 million in a major modernisation of engine test facilities in Indiana, bringing total company investment in the United States to nearly US\$1.5 billion in the past decade. New facilities in Indianapolis will upgrade full engine test capabilities, following a major modernisation of advanced manufacturing at the campus. The Indianapolis facility will test engines for a variety of products, including the US Air Force B-52 strategic bomber fleet, after Rolls-Royce won a US\$2.6 billion contract last fall to manufacture 650 engines for the iconic aircraft. The total Indianapolis campus modernisation programme began with a previous US\$600 million investment in new manufacturing facilities, upgraded equipment and advanced technology, which was completed in 2021. The additional US\$400 million investment in test facilities will further establish the Indianapolis site among the most advanced manufacturing campuses that Rolls-Royce operates anywhere in the world. Combined with a talented UAW workforce of 1,000 among more than 3,300 total employees, the Indianapolis site is highly efficient and competitive within the aerospace industry and other business areas in which the company operates. Additionally, Rolls-Royce has invested over US\$100 million coast to coast across the US since 2015, updating facilities in Massachusetts, Georgia, Mississippi, Virginia, South Carolina and California. (£1.00 = US\$1.50 at time of publication).

## INFORMATION TECHNOLOGY



Photo: Swiss-AS/HAECO

Back in 2019 HAECO Group had selected AMOS as its preferred MRO software to be initially deployed within its Hong Kong operations base. The main objective of this large-scale implementation project was to replace the many point-to-point solutions with a fully integrated end-to-end solution. After more than two years of implementation, Swiss-AS has announced that HAECO Hong Kong, a world-class aircraft engineering service provider, has recently gone live with the AMOS MRO edition and now uses the MRO software to support all its maintenance processes. Today, AMOS acts as the core platform for HAECO Hong Kong employees to efficiently and productively manage the wide range of services the organisation offers, from airframe services to line maintenance, and material management. The implementation of AMOS at the Hong Kong base is key in the group's strategy to invest in the future, optimise and grow its business, while ensuring its sustainable development that is at the core of its business model. Swiss-AS is an innovative and reliable business partner that is able to support HAECO Hong Kong's strategic developments by providing a proven, continuously enhanced and scalable IT solution as well as tailored service packages.

## OTHER NEWS



The all-electric towbar-less aircraft tractor Phoenix E is operating for Lufthansa LEOS

Lufthansa LEOS, the ground handling specialist of the Lufthansa Group, is the launch customer of the all-electric towbar-less aircraft tractor Phoenix E from German manufacturer Goldhofer. The purely battery-electric vehicle operates at Frankfurt Airport. It can move aircraft with a

take-off weight of up to 352 tonnes over short and long distances between parking areas, maintenance hangars and departure positions. After extensive testing and training, Lufthansa LEOS added the electric vehicle to the fleet. The advantages of the electric tug are apparent; it moves aircraft without emissions and noise or vibration. With a battery capacity of 165-kilowatt hours and a drive power of 240 kilowatts, aircraft can be moved at speeds of up to 25 kilometres per hour. Because the nose wheel of the aircraft is lifted and locked, the tug can move relatively quickly and is easier to manoeuvre than tugs with a tow bar. Lufthansa LEOS has been committed to sustainability on the ground for many years. Since 2014, the company has been testing novel, sustainable ground-handling concepts with Fraport as part of the E-PORT AN initiative. In addition to the all-electric towbar-less aircraft tractor, it already has two hybrid tow vehicles in operation at Frankfurt Airport.

## **OTHER NEWS**

Frankfurt Airport (FRA) welcomed some 2.1 million passengers in February 2022 - a gain of 211.3% compared to the same month last year when demand dropped sharply due to travel restrictions. Frankfurt Airport's demand recovery was still dampened by the rapid spread of the Omicron COVID-19 variant in February 2022. However, the lifting or easing of travel restrictions in various countries had a positive impact on holiday traffic. Compared to prepandemic figures, Frankfurt's passenger traffic rebounded in February 2022 to nearly half the level recorded in the February 2019 reference month (down 53.4%). FRA's cargo throughput (airfreight + airmail) declined by 8.8% yearon-year to 164,769 metric tonnes in February 2022 (February 2019 comparison: up 2.1%). This drop in tonnage can be attributed primarily to the earlier timing of the Chinese New Year. Aircraft movements, in contrast, grew strongly by 100.8% year-on-year to 22,328 take-offs and landings. Accumulated maximum take-off weights (MTOWS) increased by 53.0% year-onyear to nearly 1.5 million metric tonnes. Across the Group, Fraport's international portfolio of wholly owned and subsidiary airports also continued to report positive passenger performance in the reporting month. All of Fraport's Group airports worldwide - with the exception of Xi'an - achieved significant traffic gains in February 2022. Some Group airports even recorded growth rates exceeding 100% year-on-year - albeit compared to strongly reduced traffic levels in February 2021. Traffic at Slovenia's Ljubljana Airport (LJU) rose to 38,127 passengers in February 2022. The two Brazilian airports of Fortaleza (FOR) and Porto Alegre (POA) received a total of 834,951 passengers. Lima Airport (LIM) in Peru served some 1.2 million passengers in the reporting month. The 14 Greek regional airports saw combined traffic climb to 393,672 passengers. With a total of 44,888 passengers, the Twin Star airports of Burgas (BOJ) and Varna (VAR) on the Bulgarian Black Sea coast also recorded a traffic increase. Antalya Airport (AYT) on the Turkish Riviera welcomed 592,606 passengers. St. Petersburg's Pulkovo Airport (LED) registered more than 1.0 million passengers. Only China's Xi'an Airport (XIY) experienced a decline in February 2022. Due to ongoing travel restrictions, XIY's traffic dipped by 25.0 percent year-on-year to just under 1.3 million passengers.

GAT Logistics Solutions Group (GAT LSG) has received approval from the Federal Marine Commission (FMC), Bureau of Certification and Licensing, to operate under the Ocean Transportation Intermediary license as an ocean freight forwarder and non-vessel-operating common carrier. This achievement further

## **OTHER NEWS**



Photo: Air Canada

Air Canada has announced a strategic expansion of its South Pacific schedule with the return of daily service to Sydney and resumption of services to both Brisbane and Auckland. Air Canada's Australia and New Zealand flights operate from its trans-Pacific hub at Vancouver International Airport (YVR) which the carrier has built to conveniently connect its international network to its vast North American network. "Air Canada resuming service from Vancouver to Australia and New Zealand as part of its continued network expansion at YVR is incredibly exciting and marks another step forward as we move through the pandemic," said Mike McNaney, Vice President & Chief External Affairs Officer at Vancouver Airport Authority. "We know Canadians are eager to travel to the South Pacific and reunite with family and friends after nearly two years of border restrictions. We're looking forward to these flights to Brisbane and Auckland taking off from YVR in July and November, respectively."



Qantas Airbus A380

Photo: AirTeamImages

Qantas will reinstate its full First Class offering at the end of this month both on the ground and in the air as post-pandemic international travel steadily recovers and the national carrier wakes up more of its A380 superjumbo fleet. A fourth Qantas A380 has emerged from the Californian desert with Reginald Ansett (VH-OQH) leaving the storage yard this month for the first time since it was parked there in March 2020. Qantas utilised the down time while the aircraft were in the desert to upgrade the popular A380s increasing the number of premium seats and refurbishing the cabins. The aircraft have a reconfigured business class cabin, with 70 updated business suites and an extended premium economy section with 60 seats, up from 35, as well as refreshed economy and first cabins. The upper deck lounge has also had a full upgrade with booth style seating for ten people, a self-service bar and an option to order signature drinks and snacks. From March 27, Qantas will reopen its Sydney and Melbourne international business lounges as more passengers take to the skies and revert its First Lounges in Australia, which operated as hybrid First/Business Lounges during the pandemic, to the full premium offering.

## AVITRADER Weekly Aviation Headline News

## **OTHER NEWS**

compliments the expansion of GAT Logistics Solutions Group, a worldwide provider of transportation, logistics, storage and supply chain solutions. GAT LSG is a standalone, wholly owned subsidiary of GA Telesis and is an integral part of the GA Telesis Ecosystem™. This addition is in response to meeting customer needs to provide a total supply-chain solution by providing intermodal transportation services to the company's global customers.

Canada Jetlines Operations (Canada Jetlines) has received a determination from the Canadian Transportation Agency (CTA) that it meets the regulation requirements with regards to Canadian ownership and control, subject to filing confirming corporate documents. The CTA also completed Stage 1 "Determination of Financial Requirements" for Canada Jetlines' application. "I am very excited that Canada Jetlines has now received Canadian ownership and control approval and the Stage 1 determination from the CTA," stated Eddy Doyle, CEO of Canada Jetlines. "We are now in the final stages of the licensing process, and I am confident we will satisfy the final requirements in time for a summer launch date." In 2021 Canada Jetlines commenced the application process for a license to operate air service, large aircraft pursuant from the CTA. The application process requires Canada Jetlines to provide information regarding the ownership structure and financial information in two stages. The first stage requires the provision of information and documentation regarding the funding requirements for the start-up and operation of an air service for a 90-day period. The second stage requires the provision of evidence that the requisite funding is in place to finance the proposed air service. Jetlines is advancing the completion of the funding to satisfy Stage 2 requirements with the intention to commence air service in the summer of 2022, subject to final CTA and Transport Canada approval. The Air Operator Certificate (AOC) application process with Transport Canada is progressing as planned, these include the approval of the majority of submitted manuals, conditional approval for pilot training, the completion of the first pilot course and simulator check ride. Subject to receiving Transport Canada approval, Canada Jetlines intends to start flight attendant training next month.

Those travelling through Heathrow will no longer be required to wear a face covering after the airport announced that it is moving away from a mandate from Wednesday March 16. In recognition that the pandemic is not over, Heathrow strongly encourages those at the airport to continue wearing a face covering -

particularly when coming into close contact with others - although this will no longer be a firm requirement. The change mirrors steps taken by other transport organisations in the UK, and applies across all of Heathrow's terminals, bus and railway stations and office spaces. Heathrow's home carriers British Airways and Virgin Atlantic welcomed the move, signalling that they were preparing to follow suit by dropping the face covering requirement onboard their aircraft as soon as regulatory requirements for their destinations allow. We encourage passengers to check onboard face covering requirements with their airlines before travelling. The removal of the mandatory requirement reflects society's move towards learning to live with COVID longer term. It is now possible because of the continued strong protection provided by vaccination programmes around the world. Heathrow will maintain a wide-array of COVID-secure measures including enhanced ventilation in all terminal buildings - which will help keep people safe on their journeys through the airport. Should a significant rise in COVID cases or a future variant of concern materialise, Heathrow will not hesitate to reinstate the mandatory use of face coverings at the airport. Face coverings will remain available at the airport to support those who wish to continue wearing them. We know some passengers may feel vulnerable, and we are encouraging colleagues to be respectful and put on a face covering when near a passenger who requests it.

## **INDUSTRY PEOPLE**



• John Swift will join JetBlue as the airline's new Vice President, Technology effective March 14, 2022. In this role, he will develop the technical strategy across engineering, QA, cloud and infrastructure. He will report

directly to Carol Clements, JetBlue's Chief Digital and Technology Officer. Swift comes to JetBlue with more than 25-years of experience in software engineering and product architecture. Most recently, he served as Vice President of engineering at the steaming service Discovery+ where he oversaw a global multicloud platform organisation responsible for digital content delivery. Previously, he has led world-class engineering and product teams for Netflix, Capital One and more.

• Next Level Aviation (NLA) has appointed Martin Curtis as President of its new sub-



Martin Curtis

sidiary in Dublin, Next Level Aviation-Ireland. He will lead this new subsidiary to significant growth in the coming years through used serviceable material sales in the European, Middle East and African (EMEA) region

and through aircraft and engine transactions globally. Curtis has held senior management positions at AAR, Pratt & Whitney and Quantum Aviation during his career. Most recently he owned and operated an aviation asset and spare parts trading company located in Dublin. He has also acted as a trusted advisor to the leasing community on aircraft/engine portfolio transactions and has served as a director on the boards of trading and aircraft lease companies including Q Aviation. Next Level Aviation-Ireland will commence operations in the Dublin area next month.



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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      | FPG Amentum                | V2527M-A5        | 3705    | 2008  | Now                | Sale / Lease | Eoin Kirby         | eoin.kirby@fpg-amentum.aero  | +353 86 027 3163    |
| A319-100      | BBAM                       | CFM56-5B5/P      | 2119    | 2004  | Now                | Sale / Lease | Steve Zissis       | info@bbam.com                | +1 787 665 7039     |
| A319-100      | BBAM                       | CFM56-5B5/P      | 2283    | 2007  | Now                | Sale / Lease | Steve Zissis       | info@bbam.com                | +1 787 665 7039     |
| A319-100      | ORIX Aviation              | CFM56-5B5/3      | 5018    | 2012  | Now                | Sale / Lease | Oisin Riordan      | oisin.riordan@orix.ie        | +353 86 335 0004    |
| A319-112      | Deucalion Aviation Limited | CFM56-5B63       | 3586    | 2008  | Q2/2022            | Lease        | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| A319-133      | Deucalion Aviation Limited | V2533M-A5        | 2965    | 2007  | Q4/2022            | Lease        | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| A319-131      | Deucalion Aviation Limited | V2522-A5         | 2375    | 2005  | Q2/2022            | Lease        | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| A320          | Deucalion Aviation Limited | CFM56-5B4/P      | 1571    | 2001  | Now                | Lease        | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| A320-200      | BBAM                       | V2527-A5         | 2587    | 2005  | Now                | Sale / Lease | Steve Zissis       | info@bbam.com                | +1 787 665 7039     |
| A320-232      | Deucalion Aviation Limited | V2527            | 4323    | 2010  | Now                | Sale / Lease | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| A320-232      | ALTAVAIR                   | V2527-A5         | 4621    | 2011  | Now                | Sale / Lease | Clive Bowen        | clive.bowen@altavair.com     | +44 7899 892493     |
| A320-232      | Willis Lease               | V2527-A5         | 6865    | 2016  | Now                | Sale / Lease | Chris Giles        | cgiles@willislease.com       | +44 1656 754 788    |
| A320-232      | Willis Lease               | V2527-A5         | 7163    | 2016  | Now                | Sale / Lease | Chris Giles        | cgiles@willislease.com       | +44 1656 754 788    |
| A320-233ceo   | FPG Amentum                | V2527E-A5        | 4457    | 2010  | Now                | Sale / Lease | Lei Ma             | ma.lei@fpg-amentum.aero      | +852 9199 1875      |
| A321-200      | GA Telesis                 | V2533-A5         | 2255    | 2004  | Q2/2022            |              | David Byrne        | aircraft@gatelesis.com       | +353 86 780 8974    |
| A321-200      | GA Telesis                 | V2533-A5         | 2261    | 2004  | Q2/2022            |              | David Byrne        | aircraft@gatelesis.com       | +353 86 780 8974    |
| A321-231      | Deucalion Aviation Limited | V2533-A5         | 6009    | 2014  | Now                | Sale / Lease | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| A321-231      | Deucalion Aviation Limited | V2533-A5         | 6294    | 2014  | Now                | Sale / Lease | Jonathan Louch     | aircraft@deucalion.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      | ORIX Aviation              | Trent 772B-60/16 | 1289    | 2012  | Now                | Sale / Lease | Oisin Riordan      | oisin.riordan@orix.ie        | +353 86 335 0004    |
| A330-200      | Deucalion Aviation Limited | CF6-80E          | 814     | 2007  | Now                | Lease        | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| A330-200 (5x) | ALTAVAIR                   | Trent 772B-60/16 | various | 06-14 | Q1/2022            | Sale / Lease | Clive Bowen        | clive.bowen@altavair.com     | +44 7899 892493     |
| A330-300      | ALTAVAIR                   | CF6-80E1A3       | 1580    | 2014  | Q1/2023            | Sale / Lease | Clive Bowen        | clive.bowen@altavair.com     | +44 7899 892493     |
| A330-200      | Doric                      | Trent 772B-60/16 | 1407    | 2013  | Now                | Sale / Lease | Maurick Groeneveld | maurick.groeneveld@doric.com | +49 (0)69 247559931 |
| 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  | Now                | Sale / Lease | Steve Zissis       | info@bbam.com                | +1 787 665 7039     |
| A330-300      | BBAM                       | CF6-80E1A3       | 1300    | 2012  | Apr 2022           | Sale / Lease | Steve Zissis       | info@bbam.com                | +1 787 665 7039     |
| A330-300      | Deucalion Aviation Limited | Trent 772B-60    | 1559    | 2014  | Now                | Lease        | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| A330-300      | Deucalion Aviation Limited | Trent 772B-6     | 1146    | 2010  | Q3/2022            | Lease        | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| A330-300      | Deucalion Aviation Limited | Trent 772B-60    | 1482    | 2014  | Now                | Sale / Lease | Jonathan Louch     | aircraft@deucalion.com       | +44 207 256 4449    |
| B737-700      | BBAM                       | airframe only    | 32414   | 2003  | Now                | Sale / Lease | Steve Zissis       | info@bbam.com                | +1 787 665 7039     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42825   | 2017  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42826   | 2017  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42827   | 2017  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42828   | 2017  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42829   | 2017  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42830   | 2017  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42831   | 2018  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42832   | 2018  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42833   | 2018  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 42835   | 2018  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 63971   | 2018  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-8        | Orix Aviation              | CFM LEAP-1B      | 64992   | 2018  | Q1/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-800      | BBAM                       | CFM56-7B24/3     | 34905   | 2018  | Now                | Sale / Lease | Steve Zissis       | info@bbam.com                | +1 787 665 7039     |
| B737-800      | ORIX Aviation              | CFM56-7B24E      | 40318   | 2007  | Q2/2022            | Sale / Lease | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |
| B737-800SF    |                            |                  | 33003   |       | Q2/2022<br>Q2/2022 |              | -                  |                              |                     |
| 191-0009F     | GA Telesis                 | CFM56-7B24       | 33003   | 2002  | QZ/ZUZZ            | Lease        | Cian Coakley       | cian.coakley@orix.ie         | +353 87 7760451     |







## THE AIRCRAFT AND ENGINE MARKETPLACE

| Commercial . | Jet Aircraft | (cont.) |
|--------------|--------------|---------|
|--------------|--------------|---------|

| Aircraft Type  | Company                      | Engine            | MSN      | Year   | Available      | Sale / Lease | Contact                             | Email                           | Phone                                   |
|----------------|------------------------------|-------------------|----------|--------|----------------|--------------|-------------------------------------|---------------------------------|---|
| B737-900       | BBAM                         | CFM56-7B26/3      | 34953    | 2007   | Now            | Sale / Lease | Steve Zissis                        | info@bbam.com                   | +1 787 665 7039                         |
| B777-200ER     | BBAM                         | GE90-90B          | 29004    | 1998   | Now            | Sale / Lease | Steve Zissis                        | info@bbam.com                   | +1 787 665 7039                         |
| B777-200ER     | Deucalion Aviation Limited   | GE90-94B          | 32721    | 2007   | Q2/2023        | Sale / Lease | Jonathan Louch                      | aircraft@deucalion.com          | +44 207 256 4449                        |
| B777-200ER     | Deucalion Aviation Limited   | GE90-94B          | 35295    | 2007   | Q2/2023        | Sale / Lease | Jonathan Louch                      | aircraft@deucalion.com          | +44 207 256 4449                        |
| B777-300ER     | BBAM                         | GE90-115BL2       | 37898    | 2012   | Apr 2022       | Sale / Lease | Steve Zissis                        | info@bbam.com                   | +1 787 665 7039                         |
| B777-300ER (8x | ) ALTAVAIR                   | GE90-115B         |          | 06-13  | Q1/2022        | Sale / Lease | Clive Bowen                         | clive.bowen@altavair.com        | +44 7899 892493                         |
| Regional       | Jet / Turboprop Airo         | raft              |          |        |                |              |                                     |                                 |   |
| Aircraft Type  | Company                      | Engine            | MSN      | Year   | Available      | Sale / Lease | Contact                             | Email                           | Phone                                   |
| CRJ-200        | Regional One                 | CF34-3B1          | 7925     | 2004   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ-200        | Regional One                 | CF34-3B1          | 7926     | 2004   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ-200        | Regional One                 | CF34-3B1          | 7937     | 2004   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ-200        | Regional One                 | CF34-3B1          | 7941     | 2006   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ-200ER      | Regional One                 | CF34-3B1          | 8062     | 2006   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ-200ER      | Regional One                 | CF34-3B1          | 8059     | 2005   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ-200LR      | Regional One                 | CF34-3B1          | 7625     | 2002   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ900         | Regional One                 | CF34-8C5          | 15215    | 2009   | Now            | Lease        | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ900         | Regional One                 | CF34-8C5          | 15207    | 2008   | Now            | Lease        | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ900ER       | Regional One                 | CF34-8C5          | 15111    | 2007   | Now            | Lease        | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| CRJ900ER       | Regional One                 | CF34-8C5          | 15115    | 2007   | Now            | Lease        | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| DHC8-Q400      | Regional One                 | PW150A            | 4042     | 2001   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| DHC8-Q400      | Regional One                 | PW150A            | 4100     | 2005   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| ERJ-145LR      | Regional One                 | AE3007            | 145508   | 2001   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| ERJ-145LR      | Regional One                 | AE3007            | 145515   | 2001   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| ERJ170-100LR   | Regional One                 | CF34-8E5          | 17000093 | 2005   | Now            | Sale / Lease | Kurt Brulisauer                     | kbrulisauer@regionalone.com     | +1 (404) 542-5320                       |
| SAAB 2000      | Jetstream Aviation Capital   | AE2100A           | 031      | 1996   | Now            | Sale / Lease | Donald Kamenz                       | dkamenz@jetstreamavcap.com      | +1 (305) 447-1920 x 115                 |
| SAAB 340B CRO  | 3 Jetstream Aviation Capital | CT7-9B            | 224      | 1990   | Nbow           | Lease        | Bill Jones                          | bjones@jetstreamavcap.com       | +1 (305) 447-1920 x 102                 |
| SAAB 340B Plus | Jetstream Aviation Capital   | CT7-9B            | 450      | 1998   | Now            | Lease        | Bill Jones                          | bjones@jetstreamavcap.com       | +1 (305) 447-1920 x 102                 |
| Commerc        | ial Engines                  |                   |          |        |                |              |                                     |                                 |   |
| CF34 Engines   | iai Engines                  | Sale / Lease      |          | Comp   | any            |              | Contact                             | Email                           | Phone                                   |
| CF34-8E5       |                              | Now - Lease       |          |        | nsa Technik A  | AERO Alzev   | Kai Ebach                           | k.ebach@lhaero.com              | +49-6731-497-368                        |
| CF34-10E       |                              | Now - Lease       |          |        |                |              |                                     |                                 | 10 0701 101 000                         |
| CF34-8C        |                              | Now - Lease       |          |        |                |              |                                     |                                 |   |
| CF34-3A        |                              | Now - Sale / Leas | e        |        |                |              |                                     |                                 |   |
| (2) CF34-10E6  | Full QEC                     | Now - Sale / Leas |          | DASI   |                |              | Joe Hutchings                       | joe.hutchings@dasi.com          | + 1 954-478-7195                        |
| (1) CF34-10E5A |                              | Now - Sale / Leas |          |        |                |              | · · · · · · · · · · · · · · · · · · | ,                               | 7 7 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| (5) CF34-10E   |                              | Now - Lease       |          | Willis | Lease          |              | Jennifer Merriam                    | leasing@willislease.com         | +1 (561) 349-8950                       |
| (1) CF34-8C5A1 |                              | Now - Sale/Lease  | /Exch.   |        | lan Aviation G | roup         | Bradley Hogan                       | bradley.hogan@magellangroup.net | +1 980.256.7120                         |
| (2) CF34-8C5B1 |                              | Now - Sale/Lease  |          |        |                | T'           | 0,090                               |                                 |   |
| (3) CF34-8E5A1 |                              | Now - Sale/Lease  |          |        |                |              |                                     |                                 |   |
| (1) CF34-10E6  |                              | Now - Lease       |          | Engine | e Lease Finan  | ce           | Declan Madigan                      | declan.madigan@elfc.com         | +353 61 291717                          |
| (., 5. 54-1020 |                              | 20000             |          | 9.11   | 0000 i iiiali  |              | _ 201411                            |                                 |   |















## THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

| Commercial Engines (cont.)  |   |                              |                  |                                 |                   |
|-----------------------------|---|------------------------------|------------------|---------------------------------|-------------------|
| CF6 Engines                 | Sale / Lease  | Company                      | Contact          | Email                           | Phone             |
| (1) CF6-80E1A4B             | Now - Sale / Lease  | GA Telesis                   |                  | engines@gatelesis.com           |                   |
| (1) CF6-80E1A3              | Now - Lease   | BBAM                         | Steve Zissis     | info@bbam.com                   | +1 787 665 7039   |
| (2) CF6-80E                 | Now - Lease   | Willis Lease                 | Jennifer Merriam | leasing@willislease.com         | +1 (561) 349-8950 |
| (1) CF6-80C2B1F             | Now - Sale/Exchange   | Chromalloy Asset Management  | Hema Krishan     | Hkrishan@chromalloy.com         | +1 845-587-7102   |
| (1) CF6-80C2B1F             | Q3/2021 - Sale/Exchange   |                              |                  |                                 |                   |
| (2) CF6-80E1                | Now - Lease   | Deucalion Aviation Limited   | Jonathan Louch   | aircraft@deucalion.com          | +44 207 256 4449  |
| CFM Engines                 | Sale / Lease  | Company                      | Contact          | Email                           | Phone             |
| (1) CFM56-5B4/P (full QEC)  | Now - Lease   | FTAI Aviation LLC            | Tom McFarland    | tmcfarland@ftaiaviation.com     | +1 786 785 0787   |
| (1) CFM56-5B5/P             | Now - Lease   | 1 1741 7 Viddon E20          | Tom Wor ununu    | anounand@naaviation.som         | 11 100 103 0101   |
| • •                         | Now - Lease   |                              |                  |                                 |                   |
| (1) CFM56-5B6/P             |   |                              |                  |                                 |                   |
| (1) CFM56-5B2/P             | Now - Lease   |                              |                  |                                 |                   |
| (2) CFM56-7B26 (full QEC)   | Now - Lease   |                              |                  |                                 |                   |
| (1) CFM56-7B24              | Now - Lease   |                              |                  |                                 |                   |
| (5) CFM56-7B24/3            | Now - Lease   | Willis Lease                 | Jennifer Merriam | leasing@willislease.com         | +1 (561) 349-8950 |
| (6) CFM56-5B4/3             | Now - Lease   |                              |                  |                                 |                   |
| (1) CFM56-5C4/P             | Now - Lease   |                              |                  |                                 |                   |
| (4) CFM56-7B24/E            | Now - Lease   |                              |                  |                                 |                   |
| (2) CFM56-7B24              | Now - Lease   |                              |                  |                                 |                   |
| (2) CFM56-7B26              | Now - Lease   |                              |                  |                                 |                   |
| (1) CFM56-7B26E             | Now - Lease   |                              |                  |                                 |                   |
| (1) CFM56-5C4               | Now - Lease   |                              |                  |                                 |                   |
| (6) CFM56-5B4/P             | Now - Lease   |                              |                  |                                 |                   |
| (2) CFM56-7B26/3            | Now - Lease   |                              |                  |                                 |                   |
| (3) CFM56-7B26              | Now - Sale / Lease  | BBAM                         | Steve Zissis     | info@bbam.com                   | +1 787 665 7039   |
| (4) CFM56-5B5/P             | Now - Sale / Lease  | DDAW                         | Oteve Zissis     | mio@bbam.com                    | 11 101 003 1039   |
| • •                         |   |                              |                  |                                 |                   |
| (2) CFM56-5B6               | Now - Sale / Lease  | Otil A-i-ti Ot               | Or Marin         | -1                              |                   |
| CFM56-5 (all thrust levels) | Now - Sale / Lease  | Contrail Aviation Support    | Steve Williamson | steve@contrail.com              | +1 720-276-5966   |
| CFM56-7 (all thrust levels) | Now - Sale / Lease  |                              |                  |                                 |                   |
| (2) CFM56-7B22              | Now - Lease   | Deucalion Aviation Limited   | Jonathan Louch   | aircraft@deucalion.com          | +44 207 256 4449  |
| (multiple) CFM56-5B         | Now - Sale / Lease  | CFM Materials                | Josef Noebauer   | josef.noebauer@cfmmaterials.com | +1 469-628-3756   |
| (multiple) CFM56-7B         | Now - Sale / Lease  |                              |                  |                                 |                   |
| (1) CFM56-7B26/3            | Now - Lease   | Engine Lease Finance         | Declan Madigan   | declan.madigan@elfc.com         | +353 61 291717    |
| (1) CFM56-7B24/E            | Now - Lease   |                              |                  |                                 |                   |
| (1) CFM56-5B4/3             | Now - Lease   |                              |                  |                                 |                   |
| (1) CFM56-5C4/P (u/s)       | Now - Sale  | Castlelake                   | Stuart MacGregor | Stuart.macgregor@castlelake.com | +44 207 190 6138  |
| (1) CFM56-7B22/3            | Now - Lease   |                              |                  |                                 |                   |
| (1) CFM56-5B4/P             | Now - Sale / Lease  | GA Telesis                   |                  | engines@gatelesis.com           |                   |
| (1) CFM56-5B3/P             | Now - Sale/Lease/Exch.  | Magellan Aviation Group      | Bradley Hogan    | bradley.hogan@magellangroup.net | +1 980.256.7120   |
| (2) CFM56-5B6/P             | Now - Sale/Lease/Exch.  |                              |                  |                                 |                   |
| (1) CFM56-7B27              | Now - Sale/Lease/Exch.  |                              |                  |                                 |                   |
| GE90 Engines                | Sale / Lease  | Company                      | Contact          | Email                           | Phone             |
| (1) GE90-94B                | Now - Lease   | Engine Lease Finance         | Declan Madigan   | declan.madigan@elfc.com         | +353 61 291717    |
| ( )                         | Now - Lease   | Engine Lease Finance         | Decian Madigan   | decian.madigan@enc.com          | +333 01 291/1/    |
| (1) GE90-115BL (Propulsor)  |   | DDAM                         | 01 7::-          | info@bham sam                   | .4 707 005 7000   |
| (2) GE90-90B                | Now - Sale/Lease/Exch.  | BBAM                         | Steve Zissis     | info@bbam.com                   | +1 787 665 7039   |
| LEAP Engines                | Sale / Lease  | Company                      | Contact          | Email                           | Phone             |
| (2) LEAP-1A33               | Now - Lease   | Willis Lease                 | Jennifer Merriam | leasing@willislease.com         | +1 (561) 349-8950 |
| (1) LEAP-1A32               | Now - Lease   | Engine Lease Finance         | Declan Madigan   | declan.madigan@elfc.com         | +353 61 291717    |
| PW 4000 Engines             | Sale / Lease  | Company                      | Contact          | Email                           | Phone             |
| (1) PW4168                  | Now - Sale / Lease  | Castlelake                   | Stuart MacGregor | Stuart.macgregor@castlelake.com | +44 207 190 6138  |
| (1) PW4062-3                | Now - Sale / Exchange   | Chromalloy Asset Management  | Hema Krishan     | Hkrishan@chromalloy.com         | +1 845-587-7102   |
| (1) PW4060-3                | Q3/2021 - Sale/Exchange   |                              |                  |                                 |                   |
| PW Small Engines            | Sale / Lease  | Company                      | Contact          | Email                           | Phone             |
| 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)                 |   |                              |                  |                                 |                   |
| PW124B                      | Now - Lease   |                              |                  |                                 |                   |
|                             | Now - Lease<br>Now - Lease  |                              |                  |                                 |                   |
|                             | Now - Lease   |                              |                  |                                 |                   |
| PW123B<br>PW125B            | Now - Lease<br>Now - Lease  |                              |                  |                                 |                   |
| PW125B                      | Now - Lease<br>Now - Lease<br>Now - Lease                               |                              |                  |                                 |                   |
| PW125B<br>PW127F            | Now - Lease<br>Now - Lease<br>Now - Lease<br>Now - Lease                |                              |                  |                                 |                   |
| PW125B<br>PW127F<br>PW150A  | Now - Lease<br>Now - Lease<br>Now - Lease<br>Now - Lease<br>Now - Lease |                              |                  |                                 |                   |
| PW125B<br>PW127F            | Now - Lease<br>Now - Lease<br>Now - Lease<br>Now - Lease                |                              |                  |                                 |                   |



| PW Small Engines   | Sale / Lease   | Company  | Contact  | Email   | Phone  |
|--|--|--|--|---|--|
| (2) PW150A   | Now - Sale/Lease/Exch.   | Willis Lease                                   | David Desaulniers  | leasing@willislease.com   | +1 (561) 349-8950  |
| (7) PW127M   | Now - Sale/Lease/Exch.   |  |  |   |  |
| (1) PW121  | Now - Sale/Lease/Exch.   | Magellan Aviation Group                        | Bradley Hogan  | bradley.hogan@magellangroup.net   | +1 980.256.7120  |
| (1) PW123  | Now - Sale/Lease/Exch.   |  | , ,  | ,   |  |
| (1) PW127F   | Now - Sale/Lease/Exch.   |  |  |   |  |
| (1) PW127M   | Now - Sale/Lease/Exch.   |  |  |   |  |
| (1) PW150A   | Now - Sale/Lease/Exch.   |  |  |   |  |
| (1) PW150A   | Now - Sale/Lease/Exch.   | Regional One                                   | Duane Butler   | Dbutler@regionalone.com   | +1 561-809-0001  |
| Trent Engines  | Sale / Lease   | Company  | Contact  | Email   | Phone  |
| (2) Trent 772B-60  | Q1/2022 - Sale/Lease/Exch.   | Rolls-Royce & Partners Finance                 | RRPF Marketing   | RRPFMarketing@rolls-royce.com   | +44 7528975877   |
| (2) Trent 772C-60  | Q1/2022 - Sale/Lease/Exch.   | Rolls-Royce & Partners Finance                 | RRPF Marketing   | RRPFMarketing@rolls-royce.com   | +44 7528975877   |
| (1) Trent 556-60   | Now - Sale/Lease/Exch.   | · · · · · · · · · · · · · · · · · · ·          |  |   |  |
| (1) Trent 772B-60  | Now - Lease  | BBAM   | Steve Zissis   | info@bbam.com   | +1 787 665 7039  |
| (1) Trent 772B-60  | Now - Lease  | Engine Lease Finance                           | Declan Madigan   | declan.madigan@elfc.com   | +353 61 291717   |
| V2500 Engines  | Sale / Lease   | Company  | Contact  | Email   | Phone  |
| (3) V2522-A5   | Now - Sale/Lease/Exch.   | Rolls-Royce & Partners Finance                 | RRPF Marketing   | RRPFMarketing@rolls-royce.com   | +44 7528975877   |
| (3) V2524-A5   | Now - Sale/Lease/Exch.   | rtons-rtoyee a r armers r manee                | rata i Marketing   | Tita i Marketing@roils-royee.com  | 144 1020010011   |
| (3) V2527-A5   | Now - Sale/Lease/Exch.   |  |  |   |  |
| (3) V2527-A5<br>(3) V2527E-A5  | Now - Sale/Lease/Exch.   |  |  |   |  |
| • •  | Now - Sale/Lease/Exch.   |  |  |   |  |
| (3) V2527M-A5  |  |  |  |   |  |
| (3) V2530-A5   | Now - Sale/Lease/Exch. Now - Sale/Lease/Exch.  |  |  |   |  |
| (2) V2533-A5   |  | 0 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1         | 01 14771   |   | . 1 700 070 5000   |
| V2500 (all thrust levels) (2) V2533-A5   | Now - Sale / Lease   | Contrail Aviation Support                      | Steve Williamson   | steve@contrail.com  | +1 720-276-5966  |
| * *  | Now - Sale/Lease/Exch.   | Chromalloy Material Solutions                  | Hema Krishan   | Hkrishan@chromalloy.com   | +1 845-587-7102  |
| (1) V2527-A5   | Now - Sale/Lease/Exch.   |  |  |   |  |
| (2) V2533-A5   | Now - Lease  | Willis Lease                                   | Jennifer Merriam   | leasing@willislease.com   | +1 (561) 349-8950  |
| (2) V2527-A5   | Now - Lease  |  |  |   |  |
| (2) V2527-A5   | Now - Lease  | BBAM   | Steve Zissis   | info@bbam.com   | +1 787 665 7039  |
| (2) V2527-A5   | Now - Sale / Lease   | Castlelake                                     | Stuart MacGregor   | Stuart.macgregor@castlelake.com   | +44 207 190 6138   |
| (1) V2533-A5   | Now - Lease  | FTAI Aviation LLC                              | Tom McFarland  | tmcfarland@ftaiaviation.com   | +1 786 785 0788  |
| (2) V2522-A5   | Now - Lease  | Deucalion Aviation Limited                     | Jonathan Louch   | aircraft@deucalion.com  | +44 207 256 4449   |
| (2) V2527-A5   | Now - Lease  |  |  |   |  |
| (2) V2527-A5   | Now - Sale/Lease/Exch.   | Magellan Aviation Group                        | Bradley Hogan  | bradley.hogan@magellangroup.net   | +1 980.256.7120  |
| (2) V2533-A5   | Now - Lease  | Engine Lease Finance                           | Declan Madigan   | declan.madigan@elfc.com   | +353 61 291717   |
| (1) V2527E-A5  | Now - Lease  |  |  |   |  |
| (1) V2527-A5   | Now - Sale / Lease   | GA Telesis                                     |  | engines@gatelesis.com   |  |
| Aircraft and Engine Parts, Co  | omponents and Misc   | . Equipment                                    |  |   |  |
| 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   | 15004  | Altarrain                                      | Olive Berner   | alian kannan Qalkanaia aana   |  |
| GE90-115B – Fan Stator Module – P/N 2115M1<br>(2) A320, (1) A330, (1) A340 Landing Gear Shi  |  | Altavair<br>GA Telesis                         | Clive Bowen  | clive.bowen@altavair.com landinggearsales@gatelesis.com   | +44 7899 892493  |
| (1) A320 ENH NLG   | psets  | GA Telesis                                     |  | landinggearsales@gatelesis.com  |  |
| Neutral CFM56-7B QEC Kit   | Now - Sale   | CFM Materials                                  | Josef Noebauer   | josef.noebauer@cfmmaterials.com   | +1-214-988-6676  |
| 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) RE220, (1) APS3200, (1) GTCP131-9A   |  |  | Drew Megorden  | drew.megorden@magellangroup.net   | +1 704-340-0273  |
| (1) GTCP131-9B, (1) GTCP331-500B   | Now - Sale / Lease   | Magellan Aviation Group                        | Dion mogoration  | aron mogoraon@magonangroup.not  | 11704-340-0273   |
|  | Now - Sale / Lease   |  |  |   |  |
| (1) GTCP131-9B, (1) GTCP131-9A   | Now - Sale / Lease Now - Sale/Lease/Exch.  | Magellan Aviation Group BBAM                   | Steve Zissis   | info@bbam.com   | +1 787 665 7039  |
| (1) GTCP331-500B   | Now - Sale / Lease<br>Now - Sale/Lease/Exch.<br>Now - Sale/Lease/Exch.   | BBAM   | Steve Zissis   | info@bbam.com   | +1 787 665 7039  |
| (1) GTCP331-500B<br>(2) GTCP331-350, (2) APS2300   | Now - Sale / Lease Now - Sale/Lease/Exch.  |  |  |   |  |
| (1) GTCP331-500B<br>(2) GTCP331-350, (2) APS2300<br>(1) APS3200, (1) GTCP131-9B  | Now - Sale / Lease  Now - Sale/Lease/Exch.  Now - Sale/Lease/Exch.  Now - Sale / Lease   | BBAM DASI                                      | Steve Zissis Chris Glascock  | info@bbam.com chris.glascock@dasi.com   | +1 787 665 7039<br>+1 954-801-3592   |
| (1) GTCP331-500B<br>(2) GTCP331-350, (2) APS2300<br>(1) APS3200, (1) GTCP131-9B<br>((1) GTCP331-200ER, (2) RE220RJ   | Now - Sale / Lease<br>Now - Sale/Lease/Exch.<br>Now - Sale/Lease/Exch.   | BBAM   | Steve Zissis   | info@bbam.com   | +1 787 665 7039  |
| (1) GTCP331-500B<br>(2) GTCP331-350, (2) APS2300<br>(1) APS3200, (1) GTCP131-9B  | Now - Sale / Lease  Now - Sale/Lease/Exch.  Now - Sale/Lease/Exch.  Now - Sale / Lease   | BBAM DASI                                      | Steve Zissis Chris Glascock  | info@bbam.com chris.glascock@dasi.com   | +1 787 665 7039<br>+1 954-801-3592   |
| (1) GTCP331-500B<br>(2) GTCP331-350, (2) APS2300<br>(1) APS3200, (1) GTCP131-9B<br>((1) GTCP331-200ER, (2) RE220RJ<br>(2) GTCP36-150RJ   | Now - Sale / Lease  Now - Sale/Lease/Exch.  Now - Sale/Lease/Exch.  Now - Sale / Lease  Now - Sale/Lease/Exch.  Now - Sale/Lease/Exch.   | BBAM  DASI  Regional One                       | Steve Zissis Chris Glascock Miguel Bolivar                                     | info@bbam.com  chris.glascock@dasi.com  mbolivar@RegionalOne.com  | +1 787 665 7039<br>+1 954-801-3592<br>+1 954-683-1893  |
| (1) GTCP331-500B<br>(2) GTCP331-350, (2) APS2300<br>(1) APS3200, (1) GTCP131-9B<br>((1) GTCP331-200ER, (2) RE220RJ<br>(2) GTCP36-150RJ<br>Neutral V2500-A5 QEC Kits (2) 745K9001-64  | Now - Sale / Lease  Now - Sale/Lease/Exch.  Now - Sale/Lease/Exch.  Now - Sale / Lease  Now - Sale / Lease/Exch.  Now - Sale/Lease/Exch.  Now - Sale / Lease/Exch.                                     | BBAM  DASI  Regional One  ASI Aero             | Steve Zissis Chris Glascock Miguel Bolivar Dean Morgan                         | info@bbam.com  chris.glascock@dasi.com  mbolivar@RegionalOne.com  deanm@asiaero.net   | +1 787 665 7039<br>+1 954-801-3592<br>+1 954-683-1893<br>+1 561-771-4253                                       |
| (1) GTCP331-500B<br>(2) GTCP331-350, (2) APS2300<br>(1) APS3200, (1) GTCP131-9B<br>((1) GTCP331-200ER, (2) RE220RJ<br>(2) GTCP36-150RJ<br>Neutral V2500-A5 QEC Kits (2) 745K9001-64<br>(3) GTCP131-9A, (1) GTCP331-200, (2) GTCP   | Now - Sale / Lease  Now - Sale/Lease/Exch.  Now - Sale/Lease/Exch.  Now - Sale / Lease  Now - Sale / Lease/Exch.  Now - Sale / Lease/Exch.  131-9B, (1) GTCP331-200  200B, (2) APS3200C                | BBAM  DASI  Regional One  ASI Aero             | Steve Zissis Chris Glascock Miguel Bolivar Dean Morgan                         | info@bbam.com  chris.glascock@dasi.com  mbolivar@RegionalOne.com  deanm@asiaero.net   | +1 787 665 7039<br>+1 954-801-3592<br>+1 954-683-1893<br>+1 561-771-4253                                       |
| (1) GTCP331-500B (2) GTCP331-500, (2) APS2300 (1) APS3200, (1) GTCP131-9B ((1) GTCP331-200ER, (2) RE220RJ (2) GTCP36-150RJ Neutral V2500-A5 QEC Kits (2) 745K9001-64 (3) GTCP131-9A, (1) GTCP331-200, (2) GTCP (2) GTCP331-350, (2) GTCP331-500, (1) APS3 Engine stands: CF6-80C2, CFM56-3, CFM56-56 (2) APU GTC131-9B | Now - Sale / Lease  Now - Sale/Lease/Exch.  Now - Sale/Lease/Exch.  Now - Sale / Lease  Now - Sale / Lease/Exch.  Now - Sale / Lease/Exch.  131-9B, (1) GTCP331-200  200B, (2) APS3200C                | BBAM  DASI  Regional One  ASI Aero             | Steve Zissis Chris Glascock Miguel Bolivar Dean Morgan Jay Meshay              | info@bbam.com  chris.glascock@dasi.com  mbolivar@RegionalOne.com  deanm@asiaero.net  apu@gatelesis.com                      | +1 787 665 7039<br>+1 954-801-3592<br>+1 954-683-1893<br>+1 561-771-4253<br>+1-954-849-3509                    |
| (1) GTCP331-500B (2) GTCP331-350, (2) APS2300 (1) APS3200, (1) GTCP131-9B ((1) GTCP331-200ER, (2) RE220RJ (2) GTCP36-150RJ Neutral V2500-A5 QEC Kits (2) 745K9001-64 (3) GTCP131-9A, (1) GTCP331-200, (2) GTCP (2) GTCP331-350, (2) GTCP331-500, (1) APS3 Engine stands: CF6-80C2, CFM56-3, CFM56-5,                   | Now - Sale / Lease  Now - Sale/Lease/Exch.  Now - Sale/Lease/Exch.  Now - Sale / Lease  Now - Sale / Lease/Exch.  Now - Sale / Lease/Exch.  131-9B, (1) GTCP331-200  200B, (2) APS3200C  A/B/C, PW4000 | BBAM  DASI  Regional One  ASI Aero  GA Telesis | Steve Zissis Chris Glascock Miguel Bolivar Dean Morgan Jay Meshay Ricky Torres | info@bbam.com  chris.glascock@dasi.com  mbolivar@RegionalOne.com  deanm@asiaero.net apu@gatelesis.com  stands@gatelesis.com | +1 787 665 7039<br>+1 954-801-3592<br>+1 954-683-1893<br>+1 561-771-4253<br>+1-954-849-3509<br>+1-954-676-3111 |



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