

Weekly Aviation Headline News

WORLD NEWS

United expands South African services to Cape Town

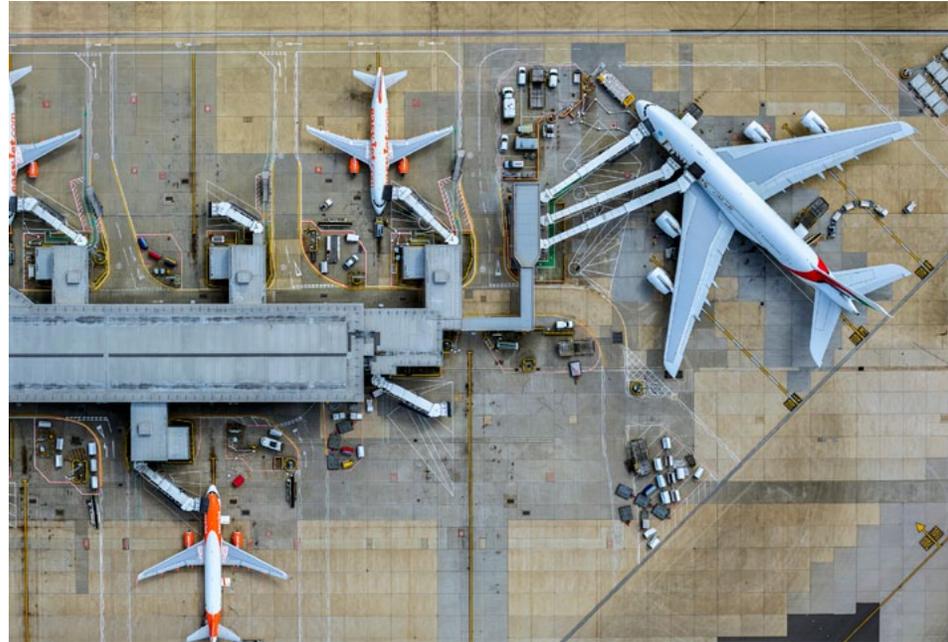
United announced it plans to expand services offering three nonstop flights per week, year-round, between New York/Newark and Cape Town. The new schedule starts on June 5, United will fly a 787-9 Dreamliner on the route and is the only airline to offer nonstop flights between the U.S. and Cape Town. United first launched flights to Cape Town in December 2019, and it quickly became one of the airline's marquee international routes.

DHL purchases 33 million litres of sustainable aviation fuel

DHL Global Forwarding, the air and ocean freight specialist of Deutsche Post DHL Group, has signed an agreement with Air France KLM Martinair Cargo (AFKLMPC) for the purchase of 33 million litres of sustainable aviation fuel (SAF). The three-year cooperation represents one of the most significant SAF purchases in the freight forwarding industry. The initiative is part of Deutsche Post DHL Group's sustainability roadmap, which aims to spend about \$8 billion on green technologies by 2030 and reduce all logistics-related emissions to net zero by 2050.

HAECO establishes aircraft painting facility in Florida

HAECO Americas has recently launched aircraft paint capability at its airframe MRO facility in Lake City, Florida. Upgrades to the facility's Hangar #9 are complete and were focused on space optimisation and efficiency, including the installation of new divider curtains, climate-controlled paint storage, and upgraded heating and fire suppression systems. United has selected the company's new capability to paint some of its aircraft in 2022.



Gatwick is opening up terminal capacity.

Photo: Gatwick

Demand for travel beefs up UK airports

As COVID testing requirements eased

London Gatwick Airport will reopen its South Terminal in March - after nearly two years being dormant - to help meet the expected strong demand as confidence in international travel returns.

The news came on the day that testing requirements for those arriving into the UK had been eased significantly, with fully vaccinated passengers (two doses) and those under the age of 18 no longer needing to take pre-departure and post-arrival tests.

British Airways has already announced it will restart its short-haul services from Gatwick from 29 March, with 35 new European routes added. BA's low-cost sister airline, Vueling, will also be expanding its operations, adding five new short-haul routes and basing three aircraft at Gatwick.

Wizz Air will also significantly increase its operations from the airport with 18 new routes, while easyJet, Gatwick's biggest airline, has also taken up more slots and

plans to fly their busiest flying schedule ever from the airport.

Stewart Wingate, CEO at Gatwick Airport said: "After an incredibly challenging two years for the airport, our partners, local communities and the entire aviation industry, we are delighted to be reopening our South Terminal next month.

"Airlines are now putting on more seats and there's a real sense of excitement for travel as we head into the summer season."

MAG CEO Charlie Cornish

"Following some major announcements from our airlines about significantly increased flying schedules, and from the Government on removing travel restrictions and airport slot regulations, we can now look forward to once again operating a busy Gatwick this summer and beyond."

Meanwhile Manchester Airports

Group (MAG) is expecting February to be one of its busiest periods since the pandemic began, as passengers respond to the removal of testing requirements and take advantage of a return to restriction-free travel. The Group, which owns and operates Manchester, London Stansted and East Midlands airports, is expecting to welcome nearly 1.5 million

passengers between 11 - 27 February, compared to only 73,000 over the same period in 2021.

Looking further ahead, MAG anticipates consumer confidence will continue to improve. The Group is preparing to handle passenger

volumes close to pre-pandemic levels as the recovery strengthens over the summer season.

MAG CEO Charlie Cornish added: "We welcomed the Government's decision to reintroduce restriction-free travel in time for the holidays. Airlines are now putting on more seats and there's a real sense of excitement for travel as we head into the summer season."

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AIRCRAFT & ENGINE NEWS

Aergo Capital delivers one DHC-8-Q400 aircraft to AvantiAir

Aergo Capital (Aergo) has successfully delivered one DHC-8-Q400 aircraft bearing manufacturers serial number 4187 to AvantiAir. The delivery was completed on January 26, 2022. This unit is part of the 20 DHC-8-Q400 aircraft Aergo acquired in 2021. Fred Browne, Chief Executive Officer, Aergo, commented: “We are delighted to add AvantiAir to Aergo’s growing customer base. We continue to seize upon opportunities in the turbo space as we see strong growth in that sector. This transaction underscores Aergo’s strategic focus on investing in the regional and turboprop space.” Smith, Gambrell & Russell, LLP acted as lead counsel to Aergo and Bird & Bird LLP acted as lead counsel to AvantiAir.

PTS Aviation leases CFM56-5 engine to major North American carrier

PTS Aviation, a StandardAero company, has signed a comprehensive three-year General Terms and Aircraft Engine Lease Agreement (GTA/ELA) with a major North American Part 121 carrier, effective immediately. The initial ELA establishes the lease of one serviceable CFM56-5A1F engine for a 36-month term during a crucial period of projected air traffic recovery and growth. This lease agreement represents PTS Aviation’s first publicly announced transaction since StandardAero signed a definitive agreement to purchase the company last month, a deal which marked StandardAero’s tenth acquisition since March 2015. Founded in 1995, PTS has more than 150 years of combined aviation management experience and significant expertise buying, leasing and selling engines, modules and used serviceable material (USM). PTS Aviation, headquartered in Miramar, FL, is a

Orders and deliveries – Boeing and Airbus

Airbus v Boeing: Orders and Deliveries					
January 2022 YTD					
	Airbus		Boeing		
Type	Orders	Deliveries	Type	Orders	Deliveries
A220	22	2	737	53	29
A320 Family	-36	24	747	0	0
A330	0	0	767	0	2
A350	0	4	777	22	1
A380	-2	0	787	0	0
Total	-16	30	Total	75	32

Source: Airbus

Source: Boeing

Airbus delivered 30 aircraft in January to 20 operators and generated 36 orders. Boeing generated 77 orders including 23 737 MAX aircraft from American Airlines and delivered 32 and also, predominantly, 737 MAXs.

worldwide supplier of used serviceable material for the CFM56-3, -5 and -7B. StandardAero is an OEM authorized independent MRO provider and GE Designated Fulfillment Centre for the CFM56-7B from its 162,000-square foot facility in Winnipeg, MB, Canada.

AeroDirect acquires five ex-LATAM V2500-A5 engines

AeroDirect has acquired five ex-LATAM V2500-A5 engines for customer component support and to add to its lease pool of engines. Steve Berner, Vice President of Sales for AeroDirect, said: “These additional engines to our portfolio will greatly enhance our footprint in the V2500 arena which we anticipate greater demand as the industry comes out of the pandemic and the engine type is faced with airworthiness directive

challenges. The transaction was funded through its partnership with Troob Capital Management, a New York financial firm. AeroDirect’s current partnership allows for funding additional engine acquisitions through 2024. Founded in 1995, AeroDirect stocks over 1.5 million quality engine, airframe and expendable parts for its 1,500 active customers and suppliers. It currently has CFM56-3/5/7 and V2500 engines in its lease pool.

Embraer’s Eve takes major step towards eVTOL certification from ANAC

Embraer offshoot Eve has announced that it has formalized the process for obtaining a Type Certificate for its electric vertical take-off and landing (eVTOL) aircraft with the Civil Aviation Agency of Brazil (Agência Nacional

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AIRCRAFT & ENGINE NEWS

de Aviação Civil (ANAC). With this agreement, Eve has underlined its commitment to ANAC where compliance with international technical standards and mandatory airworthiness requirements for eVTOL Type Certification is concerned. The process agreed upon will see Eve obtain a “normal category” aircraft Type Certificate which will take into account the requirements established by the Brazilian Civil Aviation Regulation (RBAC) no. 23, plus additional requirements. With ANAC’s support, Eve will then work with other leading aviation authorities to formalize the Type Certificate validation process worldwide. “It is an important moment that demonstrates the company’s commitment to exploring the future of urban air mobility. The process aims to achieve the best safety standards to allow eVTOL access to the global market. From the regulation perspective, there is much work to be done concerning aircraft technology and the definition of the entire ecosystem. Brazil has the conditions and engagement to deal with this challenge,” said Roberto Honorato, ANAC’s Airworthiness Superintendent.

Textron Aviation rolls out first production Cessna SkyCourier large-utility turboprop



Rollout of the first production unit of the twin-engine, large-utility turboprop, the Cessna SkyCourier *Photo: Textron Aviation*

Textron Aviation has rolled out the first production unit of the twin-engine, large-utility turboprop, the Cessna SkyCourier, at the company’s manufacturing facility in Wichita. The new, clean-sheet design has allowed for the incorporation of the latest state-of-the-art assembly and fabrication processes and techniques into the manufacturing of the aircraft. From the SkyCourier’s inception, launch customer FedEx Express and other members of Textron Aviation’s Customer Advisory Board were

instrumental in shaping the aircraft’s design, from manufacturing methods and materials to product features and serviceability. Textron Aviation’s highly skilled employees incorporated this feedback and found opportunities to maximize quality and precision, while meeting and exceeding customer expectations. The SkyCourier celebrated its inaugural flight in May 2020, and the flight test programme’s three aircraft have accumulated more than 2,100 hours. Following certification, which is anticipated in the first half of 2022, this first production unit will be delivered to launch customer, FedEx Express, which has agreed to purchase up to 100 aircraft, with an initial fleet order of 50 and options for 50 more.

Allegiant Air orders CFM LEAP-1B engines for Boeing 737 MAX fleet

Allegiant Air has announced the purchase of advanced CFM International LEAP-1B engines to power up to 100 Boeing 737 MAX 7 and 737 MAX 8 aircraft scheduled to begin delivery in 2023. The engine order also includes a service agreement. Allegiant has been a CFM customer since 2013 and has a current fleet of 110 CFM56-powered aircraft and the two will continue to collaborate to enhance operational capability of Allegiant’s current fleet. CFM’s advanced LEAP engine continues to set new industry standards for fuel efficiency and asset utilization, logging more than 14 million engine flight hours in commercial operation. The fleet is providing better fuel consumption and lower CO2 emissions, as well as a significant improvement in noise in this thrust class. The LEAP-1B engine entered into service on the Boeing 737 MAX in 2017. More than 1,460 LEAP-1B engines have been delivered to some 60 operators worldwide and the fleet has logged approximately three million engine flight hours.



Allegiant has ordered CFM International LEAP-1B engines to power up to 100 Boeing 737 MAX 7 and 737 MAX 8 aircraft *Photo: Boeing*

AIRCRAFT & ENGINE NEWS

Milestone Aviation Group completes Aramco’s helicopter fleet renewal programme

The Milestone Aviation Group (Milestone), a global leader in helicopter leasing, has successfully completed the final delivery of the medium helicopter fleet renewal programme for Aramco Overseas Company, a subsidiary of Saudi Aramco (Aramco), a fully integrated, global petroleum and chemicals enterprise. Milestone delivered the last unit of the 21 factory-new, highly specified Leonardo AW139 helicopters, which were first announced in July 2018. The deal also included five brand new Airbus H145 helicopters, delivered in 2019. In addition, Aramco has also extended leases of two more AW139 helicopters, truly demonstrating the success of the leasing concept, as well as the strong relationship between the two companies.



Milestone has delivered the last Leonardo AW139 helicopter to Aramco

Photo: AerCap

SmartLynx Airlines to expand its fleet by adding new aircraft type



Photo: SmartLynx will add the Boeing MAX 8 aircraft to its fleet

The beginning of 2022 marks a significant milestone in SmartLynx Airlines’ expansion. The ACMI and charter operator has signed an agreement with SMBC Aviation Capital to lease two Boeing 737 MAX 8 aircraft to meet growing demand from European and overseas markets. This deal launches a successful partnership between the airline and one of the biggest global lessors, with deliveries of the aircraft to SmartLynx Airlines already underway. Such strategic expansion into the Boeing aircraft family will allow SmartLynx Airlines to build a reliable fleet that will ensure the provision of even greater and more versatile

products and services. Additionally, the longer range of the Boeing 737 MAX 8 opens new market opportunities for SmartLynx Airlines and its customers. The first two 737 MAX 8 units will be introduced to the SmartLynx fleet in April, with further type additions planned later in the Summer, 2022. To ensure successful deliveries, SmartLynx has also entered into a partnership with Boeing, which will support the airline throughout the whole entry-into-service process.

AIRCRAFT & ENGINE NEWS

K5-Aviation takes delivery of first ACJ330-300



The first ACJ330-300 for K5-Aviation

Photo: Airbus

K5-Aviation has taken delivery of its first ACJ330-300 aircraft from ACJ (Airbus Corporate Jets). K5-Aviation is the largest ACJ operator in Europe with four ACJ319s and one ACJ350-900 in its fleet. Designed for highly demanding VIP and private markets, the ACJ330-300 delivers top-end luxury, comfort and true nonstop range to the world. The ACJ330-300 aircraft will feature a 243m² VIP cabin, installed by Fokker Techniek, the outfitter selected by K5-Aviation. Onboard guests can experience ultimate comfort over 8,650 nm/16,000 km or up to 18.5 hours, enough to fly nonstop from Europe to Australia.

MRO & PRODUCTION NEWS

Lufthansa Technik and WestJet sign CFM56-7B engine maintenance service agreement

WestJet has awarded its CFM56-7B engine maintenance programme to Lufthansa Technik. The agreement provides WestJet with access to a wide range of services including overhaul capabilities and on-site maintenance support. Under a separate agreement, Lufthansa Technik has collaborated with FTAI Aviation to provide access to CFM56 modules and material to support this maintenance programme. An important principle of this maintenance approach is the replacement of modules, which optimizes engine life and delivers a more environmentally sustainable programme. “WestJet is excited to move forward in this new agreement with Lufthansa Technik in a dynamic new programme to support our fleet. We are looking forward to working with this expanded relationship with Lufthansa Technik to provide excellent support and engine life cycle management. Further, working with a support organization that understands the airline perspective and needs, serves to enhance the value of support brought to the table. This is the result of a very competitive process started in January 2021 that resulted in Lufthansa Technik’s team being awarded a contract that provides leading value and support through a team approach offering creative solutions,” said Gandeephan Ganeshalingam, Vice President of Technical Operations, WestJet. “One major pillar in our collaboration is that we will be able to, where appropriate, further optimize an engine’s life. This results in high engine reliability and stable operations for WestJet,” said Georgios Ouzounidis, VP Corporate Sales North America at Lufthansa Technik.



Lufthansa Technik will provide CFM56 engine maintenance for WestJet

Photo: LHT

Lufthansa Technik will provide CFM56 engine maintenance for WestJet

MRO & PRODUCTION NEWS

AAR signs ten-year extension of component MRO agreement with IAMCO

AAR, a leading provider of aviation services to commercial and government operators, MROs and OEMs, has extended its component MRO contract with International Aerospace Management Company (IAMCO), which is responsible for depot-level maintenance for the North Atlantic Treaty Organization’s (NATO) E-3A AWACS aircraft fleet, for another ten years. The services will be performed at AAR’s Component Repair facility in Amsterdam. “IAMCO is very pleased to confirm AAR as one of its sources of repair for component MRO in this extension of the E-3A programme,” says Bernard Masuy, IAMCO Branch Manager, Components. “AAR’s Amsterdam facility proves to be a reliable partner and a strong pillar of the E3A DLM component maintenance programme.”

ASI Aero starts 737NG dismantling

Aeronautical Support International (ASI Aero) has announced that they will start dismantling one Boeing 737NG this month. This 737NG marks the second Boeing 737NG ASI Aero has dismantled in the last two months. Material from this aircraft will be sent for repair and overhaul direct from the disassembly location to repair facilities and will be made immediately available. “In line with the recovery of the domestic markets that has taken place since early-2021, ASI will continue to make acquisitions of narrow-body, wide-body and regional aircraft platforms to support our global customer base,” said ASI Aero President, Dean Morgan.

FINANCIAL NEWS

American Airlines signs definitive investment agreement with GOL

American Airlines has signed a definitive investment agreement with GOL, Brazil’s largest airline, deepening the relationship between the two carriers to create the broadest and most rewarding network in the Americas. The combined networks will provide customers with more than 30 destinations in the US served by American and more than 34 new destinations in South America served by GOL. As part of the investment agreement previously announced last year, American will invest US\$200 million (£148 million) in 22.2 million newly issued preferred shares of GOL in a capital increase, for a 5.2% participation in the company’s economic interest. American has served Latin America since 1942 and offers service to 17 destinations in South America, including Sao Paulo (GRU) and

IAI completes conversion of 100th B767-300 aircraft

In a major milestone, Israel Aerospace Industries (IAI) has completed the conversion of the 100th B767-300 aircraft. This achievement highlights IAI’s leading role in the cargo conversion industry for over four decades and is a testament to IAI’s advanced capabilities, robust pace and expanding capacity to provide customers worldwide with the most optimal freighter solution. The 100th B767-300 freighter was converted at IAI’s cargo conversion facility in Tel Aviv, Israel, prior to being delivered to the customer. IAI began operating the B767-300 conversion line in Israel in 2007 together with M&B Conversions, a joint venture with Mitsui, and received STC (Supplementary Type Certificate) in 2009. In 2017, IAI opened an additional B767-300 conversion facility in Mexico, increasing operations to meet global demand for the converted wide-body aircraft. The converted B767-300 aircraft provides a competitive and cost-effective solution for customers seeking to increase their cargo fleet.



IAI delivered the 100th B767-300 conversion Photo: IAI

Leonardo teams up with Vertical Aerospace on VX4 electric aircraft programme



Photo: Vertical VX4 electric aircraft

concentrate on optimising composite structures, modular design, systems installation and structural testing for the co-development of the aircraft’s fuselage for a minimum six certification aircraft, up to the successful certification of the VX4. In addition, the agreement includes the option to scale up to the manufacture of the currently 2,000 electric aircraft, including 1,350 pre-ordered units valued at US\$5.4 billion (£4 billion) for carriers such as American Airlines, Avolon, Bristow and Iberojet. Leonardo has extensive experience working on composite aerostructure development and has a close relationship with Vertical’s strategic composite materials supplier, Solvay. Together, Vertical and Solvay are developing advanced materials and manufacturing technologies that will enable high-volume manufacture of the VX4. The near silent, entirely electric, four-passenger piloted VX4 aircraft is anticipated to have a range in excess of 100 miles and should reach a top speed of 200mph, while with zero operating emissions the VX4 will also have a low cost per passenger mile, on a par with a standard taxi. Michael Cervenka, President of Vertical said: “Vertical is pioneering electric aviation and is on a mission to transform the way people travel. I have been hugely impressed by Leonardo’s highly innovative and industry leading technical and manufacturing capabilities and our partnership has got off to a flying start. I’m thrilled that Leonardo will be joining us in this journey. We have a market-leading pre-order book for our VX4, and this partnership will ensure that we can scale the programme to meet demand.” Lucio Valerio Cioffi, Leonardo’s General Manager, said: “Advanced air mobility is part of Leonardo’s mandate to innovate using our cutting edge, human-centred technology and industrialisation expertise. We’re proud to collaborate with Vertical as part of our strategic vision in this brand-new sector.”

Vertical Aerospace (Vertical) has announced a joint development programme with Italian aerospace, defence and security specialist Leonardo to design, test, manufacture and supply the carbon composite fuselage for the Vertical VX4 electric aircraft. The two companies will

FINANCIAL NEWS

Rio de Janeiro (GIG) in Brazil, from its US hubs in Dallas-Fort Worth (DFW), Miami (MIA) and New York (JFK). American has flown more than 14 million customers between the US and Brazil in the last 10 years — more than twice as many as any other U.S. carrier. GOL serves 63 destinations in Brazil and is the country’s largest airline.

Quebec invests further US\$300 million into Airbus A220 programme

In an effort to avoid its current stake in the former Bombardier C Series programme being diluted by a next round of financing, Quebec has agreed to contribute US\$300 million to a combined total of US\$1.2 billion in new investment. According to REUTERS news agency Quebec will maintain its 25% minority stake in the A220 Series while Airbus, which will invest US\$900 million, will maintain its 75% majority stake. The move will extend the time scale by which Airbus will have to buy back the Quebec government’s shares originally set as 2026 but which will now be 2030, while also helping to secure approximately 2,500 jobs. “At that time, we’re going to have a fair market value assessment and I’m very hopeful we’re going to make money and recuperate the original investment,” Quebec Economy Minister Pierre Fitzgibbon commented. The move is seen as strategically beneficial for the government as currently the programme has yet to show a profit. As of March 31, 2021, Investissement Québec estimated the value of Quebec’s investment to be nil. However, 2025 has been targeted as the year when Airbus anticipates the programme will finally become profitable. At the commencement of the European planemaker’s acquisition of the then Bombardier C Series for 110- and 130-seater jet aircraft, it was hoped that Airbus’ higher purchasing power and global network of suppliers would help reduce the cost of components, driving the programme into the black by now. Though sales for the A220 Series jet have grown to the point where it has a backlog of approaching 500 aircraft, Airbus has failed to win the hoped-for concessions from its suppliers. The A220 is built both at an Airbus plant in the Montreal area and at the Mobile facility in Alabama.

Astronics Corporation reports US\$177 million in preliminary bookings for fourth-quarter 2021

Astronics Corporation, a leading provider of advanced technologies for global aerospace, defence and other mission-critical industries, has reported preliminary revenue and bookings for the fourth quarter of 2021. Astronics’ unaudited preliminary revenue in the fourth quarter of 2021 was approximately US\$116 million, of

Rex Airlines expansion paves way for 2,500 jobs in NSW, Australia



Rex Airlines operates a fleet of 60 Saab 340 and 6 Boeing 737-800 NG aircraft
Photo: AirTeamImages

The New South Wales (NSW) Government has helped generate more than 2,500 new jobs, providing support that has secured Sydney as the national hub for Rex Airlines. The package is part of the US\$250 million “Jobs Plus” programme, offering companies support to establish and expand their footprint in NSW, including payroll tax relief, streamlined planning approvals and rebates enabling infrastructure construction. Rex Airlines has announced it will build a Boeing Flight

Simulator Centre at Rex’s Sydney headquarters, construct a new aircraft hangar and boost the capacity of its call centre in Orange. Premier Dominic Perrottet said securing Sydney as the airline’s national hub was part of the Government’s economic recovery strategy. “A strong domestic aviation sector is critical to our recovery from the pandemic and it’s important there is healthy competition in the industry,” Perrottet said. “By supporting Rex Airlines to expand its Sydney headquarters we are not only creating thousands of new jobs, but signalling to the world that NSW is open and ready to welcome travellers.” Deputy Premier and Minister for Regional NSW Paul Toole said this investment would lead to 1,300 direct and 1,200 indirect jobs by June 2024.

American Airlines signs definitive investment agreement with GOL



Photo: American, GOL tails

American Airlines has signed a definitive investment agreement with GOL, Brazil’s largest airline, deepening the relationship between the two carriers to create the broadest and most rewarding network in the Americas. The combined networks will provide customers with more than 30 destinations in the US served by American and more than 34 new destinations in South America served by GOL. As part of the investment agreement previously announced last year, American will invest US\$200 million (£148 million) in 22.2 million newly issued preferred shares of GOL in a capital increase, for a 5.2% participation in the company’s economic interest. American has served Latin America since 1942 and offers service to 17 destinations in South America, including Sao Paulo (GRU) and Rio de Janeiro (GIG) in Brazil, from its US hubs in Dallas-Fort Worth (DFW), Miami (MIA) and New York (JFK). American has flown more than 14 million customers between the US and Brazil in the last 10 years — more than twice as many as any other U.S. carrier. GOL serves 63 destinations in Brazil and is the country’s largest airline.

FINANCIAL NEWS

which approximately US\$99 million was from the Aerospace segment and US\$17 million was from the Test segment. For the full year, sales were approximately US\$445 million. Preliminary bookings in the fourth quarter of 2021 were US\$177 million, which included US\$30 million from the company's Test segment. Bookings for the Aerospace segment were approximately US\$147 million, nearly double the US\$74 million in bookings realized in the fourth quarter of 2020. Total bookings for 2021 were approximately US\$577 million, a 35% increase over total bookings received in 2020. Aerospace segment bookings for 2021 were approximately US\$509 million, up 53% over US\$333 million in bookings in 2020. Backlog at year end was an estimated US\$416 million. On December 31, 2021, the company had approximately US\$163 million in long-term debt, down US\$20 million from October 2, 2021. Cash and equivalents at year end were US\$30 million, relatively unchanged from the end of the third quarter. Included in the year-end cash balances were approximately US\$18 million in cash received related to a facility sale, the Aviation Manufacturing Jobs Protection Program (AMJP) and tax refunds. The Company expects to receive an additional US\$35 million in early 2022 which includes approximately US\$21 million in earnest from the sale of its semiconductor business, of which half has already been received, US\$9 million in tax refunds and an additional US\$5 million related to the AMJP. In addition, the company expects to receive the final US\$2 million instalment from the AMJP later in 2022. In total, the company's cash proceeds from these items are expected to be approximately US\$55 million. (£1.00 = US\$1.35 at time of publication).

DAE posts financial results for full year 2021

Dubai Aerospace Enterprise (DAE) has reported its financial results for the year ended December 31, 2021. Operating profit for the full year 2021 was US\$514.4 million compared to US\$584.0 million for the full year 2020. 2021 saw a decrease in lease revenue and an increase in expenses offset by an increase in gain on disposal of aircraft. Operating cash flows for the full year increased by 31.7% to US\$1,143.0 million, compared to US\$867.9 million for the full year 2020. Adjusted profit for the full year 2021 was US\$188.3 million compared to US\$228.9 million for the full year 2020. Total assets in 2021 were US\$12,609.6 million, compared to US\$12,742.5 million in 2020 and available liquidity was US\$2,910.3 million in 2021, compared to US\$2,693.0 million in 2020. The company's liquidity ratio increased to 442.7% on December 31, 2021, from 235.2% on December 31, 2020. Net debt-to-equity ratio was 2.54:1 times at

MILITARY AND DEFENCE

Collins Aerospace develops new power module to support next generation of military airborne electronics



F35 Eurofighters, tanker

Photo: Collins Aerospace

Collins Aerospace has developed a new power module to support open architecture applications such as mission computers, signal processors, aircraft communication and radar systems. The Collins 3Phase 3U power module delivers up to 800 watts of power without requiring additional filtering hardware for space-, weight-, and power- (SWAP)-constrained platforms operating in harsh environments. The solution complies with MIL-STD-461F and meets standards developed by VITA, an international trade association responsible for developing standards for open architecture solutions. The hardened 3U VPX power module features embedded EMI filtering and is part of a growing product line of 3U VPX building block components to deliver innovative SWAP-efficient open architecture solutions to the tactical edge. As airframes modernise and incorporate new, more complex systems, the primary power source needs to deliver higher performance in extreme environments without adding weight. The Collins team in Medford, New York, has pushed the boundaries of power supply design to produce a 3U, 1-inch pitch module that features superior voltage regulation and ultra-low ripple to maximize the capabilities of the system application. The n-board VITA 62 compliant EMI filter offers superior performance and provides robust power to embedded system applications.

Royal New Zealand Air Force selects Thomas Global's flight displays for Boeing 757 fleet modernization

The Royal New Zealand Air Force (RNZAF) has selected Thomas Global's TFD-7000 Series flight displays for its Boeing 757 fleet. The TFD-7000 Series displays deliver the most cost-effective



Photo: Thomas Global

and lowest-risk display upgrade solution for Boeing 757, 767 and 737 aircraft. TFD-7000 Series displays provide a high-performance, cost-effective drop-in LCD retrofit that resolves critical issues around cathode ray tube (CRT) obsolescence while simultaneously increasing operational efficiency and providing a growth platform for new functionality. "The Royal New Zealand Air Force uses B757s for a broad range of missions, including transport, freight, cargo and troop movement roles," said Robert Pandis, Vice President of Military Markets for Thomas Global. "Equipping with TFD-7000 Series displays provides the RNZAF with the latest generation of display technology aimed at enhancing reliability and operations while minimizing flight deck modifications and making the most of their budget."

FINANCIAL NEWS

December 31, 2021 compared to 2.57:1 times at December 31, 2020. The total number of aircraft in the fleet as of December 31, 2021 was 385 (December 31, 2020: 374) which consisted of 296 owned (December 31, 2020: 298), 79 managed (December 31, 2020: 66) and ten committed aircraft (December 31, 2020: ten). During the full year the company purchased 18 owned aircraft (December 31, 2020: 23) and 23 managed aircraft (December 31, 2020: 15) and sold 20 owned aircraft (December 31, 2020: 14) and ten managed aircraft (December 31, 2020: 14). (£1.00 = US\$1.36 at time of publication).

Frontier and Spirit to merge in US\$2.9 billion ultra-low-cost-carrier deal

American budget carriers Frontier Group Holdings (Frontier Airlines) and Spirit Airlines Inc (Spirit Airlines) are to merge to create the fifth-largest American carrier in a US\$2.9 billion deal. Frontier Airlines will hold a controlling stake in the yet-to-be-named new carrier. The move could prove beneficial to both carriers while airlines, domestically and internationally, struggle to recover from the effects wrought on air travel by the COVID pandemic. Both companies have pledged to avoid job losses, with a prediction that the merger could generate a further 10,000 direct jobs by 2026. In addition, the new carrier intends to provide over 1,000 daily flights to over 145 individual destinations, despite higher fees having prompted Frontier to exit airports including Los Angeles and San Jose in California, and to stop serving Washington-Dulles and Newark. The deal is anticipated to conclude by the end of 2022 and predominantly through operational synergies should save approximately US\$500,000 per annum. However, before any merger can take place, the deal will have to pass antitrust regulation and gain Department of Justice (DOJ) approval. Unlike the merger between American Airlines and JetBlue Airways which saw the DOJ file a lawsuit alleging the deal would lead to increased fares at busy north-eastern US airports, regulators might look more favourably on the Frontier Airways and Spirit Airlines merger as that should result in lower fares for travellers. "In a competitive industry like ours, the lowest costs always win," Frontier Airlines Chief Executive Barry Biffle told analysts. "These low costs will, in turn, enable us to keep our fares low for customers." Both carriers have orders with Airbus for new aircraft and have indicated they would be unlikely to cancel any of the ordered planes. Colorado-based Frontier Airlines would hold a 51.5% stake in the combined entity, while Spirit Airlines' shareholders would receive \$25.83 per share, a premium of 18.8% on last Friday's close. (£1.00 = US\$1.35 at time of publication).

OTHER NEWS

Boeing has signed a supply agreement for two million gallons (7.5 million litres) of blended sustainable aviation fuel (SAF) with **EPIC Fuels** to power its Commercial Airplanes operations in Washington state and South Carolina through 2022. "SAF is a safe, proven, immediate solution that will help achieve our industry's long-term commitment to net-zero carbon emissions by 2050," says



An aviation maintenance team loads sustainable aviation fuel into the 2021 Boeing ecoDemonstrator
Photo: Boeing

Sheila Remes, Boeing Vice President of Environmental Sustainability. "Boeing has been a pioneer in making sustainable aviation fuels a reality. Through this agreement we will reduce our carbon footprint and have SAF available for customer deliveries as well as our own operations." Sustainably produced jet fuel, which reduces CO2 emissions by as much as 80% over the fuel's life cycle with the potential to reach 100% in the future, is widely recognized as offering the most immediate and greatest potential to decarbonize aviation over the next 20 to 30 years. Made from several feedstocks, sustainable aviation fuel is certified for commercial use and can be blended with traditional jet fuel without modifications to airplanes, engines or fuelling infrastructure. Approximately a year ago, Boeing committed to deliver its commercial airplanes capable of and certified to fly on 100% SAF by 2030. The purchase agreement with EPIC Fuels includes an SAF product made from inedible agricultural waste, blending 30% neat SAF with 70% conventional jet fuel. The purchase will enable broader use of SAF for Boeing commercial production, test, ferry, Dreamlifter and customer flights at facilities in Everett, Renton and Seattle in Washington state and North Charleston, South Carolina. EPIC Fuels will also continue to supply customized blends from 50/50% up to 100% SAF for the Boeing ecoDemonstrator programme, which accelerates innovation by taking promising technologies out of the lab and testing them in the air to solve real-world challenges for airlines and passengers. SAF is currently approved for a 50/50 blend with conventional jet fuel for commercial flights.



Photo: Swissport's cargo segment handled 5.1 million metric tons in 2021

Despite the challenges posed by the COVID-19 pandemic and the air travel restrictions that characterized much of 2021, **Swissport** can look back on a successful business year, thanks primarily to its cargo unit. In 2021, goods totalling 5.1 million metric tons (2019: 4.6 million tons) passed through more than 100 air cargo centres. This is an all-time high and represents an increase of some 10% over the 2019 pre-crisis levels. While the company's larger airport ground services business is still severely affected by the global travel restrictions, Swissport continues to recover here as well. With almost 97 million passengers (2019: 265 million) served and just over two million flights handled (2019: 4.1 million), volumes are still down, but the number of flights handled is up 21% on 2020. With the anticipated easing of pandemic restrictions in many countries, Swissport expects travel demand to rebound in the coming months, latest by the start of the summer holidays. The company has launched a large-scale recruitment initiative to get ready to support over 850 airline customers in ramping-up their operations. Swissport will create some 17,000 new jobs worldwide. These are primarily frontline roles in passenger services (check-in, gate) and ramp handling (movement of aircraft/towing, baggage handling).

INFORMATION TECHNOLOGY

Under a technology partnership between **Aiir Innovations** and **Waygate Technologies**, a leader in industrial inspection and non-destructive testing (NDT) solutions, the latter will incorporate a version of Aiir’s artificial intelligence (AI) into its Everest Mentor Visual iQ (MViQ) VideoProbe™. The MViQ is the most advanced video borescope for professionals in the market. As a result of this collaboration, users of the MViQ will benefit from automatic defect detection on any still images taken during aero-engine inspections. This transforms the borescope into a true digital assistant, capable of spotting tiny defects that human eyes can easily miss and helping to improve inspection reliability and efficiency. The full version of Aiir’s software is even more capable, performing automatic defect detection and blade counting on video footage, not just still images. To access this version, users of any model of borescope simply drag and drop the video file of their inspection into Aiir Innovation’s cloud-based platform via a dedicated internet portal. Multiple parties can then view, comment on and share the findings.

OTHER NEWS

Alaska Airlines has targeted a significant, multi-million-dollar renovation and expansion of its most popular lounges with plans for all-new locations at both Seattle and Portland airports in the coming years. The revitalization of two current lounges – scheduled to get underway this spring – will eventually pave the way for completely new spaces in 2025-26. The investment continues the dramatic improvements Alaska made in its lounges, which includes the opening of its 15,000-ft² flagship lounge at N Concourse in Seattle in 2019 and its new location at Terminal 2 in San Francisco last summer. Alaska will invest nearly US\$7 million for lounge upgrades in Seattle for 2022-23 and nearly US\$1.5 million for lounge upgrades in Portland for 2022. (£1.00 = US\$1.36 at time of publication).

ORIX Aviation has established a new office in Dubai, situated in the DIFC. The opening of the Dubai office is in response to the continued growth and success of ORIX Aviation’s business. Chief Commercial Officer of ORIX Aviation Paul O’Dwyer, has relocated from Dublin to Dubai and will play a key role in the development of the new office. The Dubai office will be staffed by a number of ORIX Aviation Group employees relocating from Dublin and Hong Kong. In response to a changing business environment, ORIX Aviation will be closing its office in Hong Kong on March 31, 2022.

OTHER NEWS

Airbus, Air Liquide Korea, Korean Air and Incheon International Airport Corporation have signed a Memorandum of Understanding (MOU) to explore the use of hydrogen at Seoul’s Incheon Airport. The collaboration will also study the development of a Korean domestic airport infrastructure to support the deployment of



MOU signing ceremony with Airbus and partners

Photo: Airbus

hydrogen-powered commercial aircraft. This partnership reflects a shared ambition to drive the emergence of an innovative aviation sector dedicated to supporting the Korean government’s goal of carbon neutrality by 2050. Under the MOU Airbus will provide characteristics of hydrogen-powered aircraft ground operations, as well as aircraft characteristics and fleet energy usage. Together they will prepare a roadmap to first develop hydrogen usage at and around Incheon Airport and then build scenarios to support the deployment of hydrogen ecosystems connected to other Korean airports. The partnership will also focus on carrying out studies aimed at defining and developing the required liquid infrastructure at Incheon Airport to prepare the arrival of the first hydrogen-powered aircraft. Each partner will leverage their complementary expertise to help define the potential opportunities that hydrogen offers and support the decarbonization of the aviation industry. Air Liquide will bring its extensive expertise in mastering the entire hydrogen value chain (production, liquefaction, storage and distribution), in particular liquid hydrogen supply while Korean Air will provide expertise on ground aircraft operations and aviation management and operations. Finally, Incheon International Airport Corporation will provide an airport development plan outlook, along with air traffic characteristics and distribution among terminals.



Finnair’s new A350 business class seats

Photo: Finnair

Finnair has launched the airline’s new spacious, long-haul look with a brand-new Business Class and a new Premium Economy cabin as part of a major investment to enhance the customer experience. The Finnish flag carrier, known for connecting Asia and Europe via the short northern route, unveiled the €200 million (£168 million) investment

at a press conference in Helsinki on February 10. The complete cabin renewal covers all Finnair Airbus A350 and A330 long-haul aircraft, with new cabins to be fitted over the next two years, featuring an entirely new Business Class, a brand-new Premium Economy cabin and a refreshed Economy Class. The full experience, complete with renewed service concepts, will be available in spring 2022 on selected routes across Finnair’s long-haul network.

OTHER NEWS

easyJet and Crete-based airline **SKY express** have announced that through 'Worldwide by easyJet' customers will now be able to connect via Athens, Thessaloniki, Corfu, Zakynthos, Preveza, Kefalonia, Rhodes, Larnaca, Chania, Heraklion and Thessaloniki to over 20 new Greek destinations. With just a few clicks, customers flying with easyJet will now have access by air to a new host of beautiful Greek Islands including Mytilene, Paros, Icaria, Astypalaia, Naxos, Vathi, Scio, Lemnos, Karpathos, Kythera, Milos, Alexandroupoli, Kastoria, Skiros, Kozani, Kasos Island, Sitia, Syros, Kalymnos and Laros Island. Through technology partner Dohop's innovative platform, customers can book Worldwide by easyJet connections to SKY express flights as well as forward easyJet flights on easyJet.com/worldwide.

BAA Training is launching a new ab initio training programme in cooperation with **Ecole Nationale de l'Aviation Civile** (ENAC). The new pilot training programme has been tailored to individual, self-sponsored clients so that anyone interested, with little or no aviation experience, can enrol. BAA Training will deliver ATPL theoretical phase, VFR and advanced phases in accordance with the customer's demands. Bridge VFR and IFR will be subcontracted to ENAC and conducted in one of its training centres in France. Marijus Ravoitis, CEO at BAA Training: "We have been partners with ENAC for over two years now. As both organisations share a common mission in the industry, we are glad to pool our expertise to offer world-class training to everyone willing to become commercial pilots. The new programme for individual students that we have now launched in cooperation with ENAC is the next step after we introduced the same kind of programme to airlines. We predict the programme, based on ENAC's and BAA Training best training practices, will receive the most attention from customers who are interested in spending part of their training in the French environment. ENAC is our partner in this region and is recognised for its high standards in aviation training."

INDUSTRY PEOPLE

- The Chairman of the Executive Board of Lufthansa Technik, **Johannes Bussmann**, will leave the Lufthansa Group at his own request later this year. After more than seven years in his current role and ten years on the Executive Board, he will hand over leadership of the company to COO **Soeren**



Dr. Johannes Bussmann (l) and Sören Stark (r)

Stark. Stark has been a member of the Executive Board of Lufthansa Technik since 2019. He previously held a number of other executive functions at Lufthansa Cargo and Lufthansa Technik. Subject to the approval of the Supervisory Board, he will assume his new role on July 1, 2022. Bussmann assumed leadership in 2015 after overseeing human resources on the Executive Board for three years. After leaving Lufthansa Technik, he will become CEO of a major German technology company.

- In January 2022, **Kiyoshi Fushitani**, Senior Managing Executive Officer at ORIX Corporation retired from the Group. A valued member of the ORIX Aviation and Avolon Boards, Fushitani held a number of roles within the ORIX Group, including, Head of East Asia Business Headquarters and Head of Global Transportation Services. In response to these changes, **Ryujiro Tokuma**, who has succeeded Fushitani in the role of Head of Global Transportation Services Headquarters for ORIX Corporation has joined the ORIX Aviation board and **James Meyler** has joined the Avolon board. The changes to the ORIX Aviation and Avolon boards became effective on January 11, 2022.



Richard Marston

- MAAS Aviation, the globally recognised experts in aircraft painting and exterior coatings, has announce changes to its senior team as **Richard Marston** assumes the role of Chief Commercial Officer and **Fran Carew** retires after 35 years' loyal service to the business. Marston joined MAAS Aviation in January 2020 as Director of Customer Service, Sales and Marketing EMEA, having previously held high-level positions with Herberts, DuPont and AkzoNobel Aerospace Coatings. Transitioning to the global role of CCO, he will be responsible for stra-

tegic business growth and further increasing the company's global footprint.



Marc Wittingen

- Iberia Maintenance has released that **Marc Wittingen** has been appointed MRO Commercial & Business Development Director from February 1, 2022. Wittingen has more than 20 years of experience in

International Sales, Business Development and Strategic Partnering in commercial and defence aviation, specializing in MRO of engines, airframes and aircraft components. Since 2008, he has held several commercial senior management roles across the industry. He holds an Industrial Engineering & Management (MSc) degree from the University of Twente, in the Netherlands.



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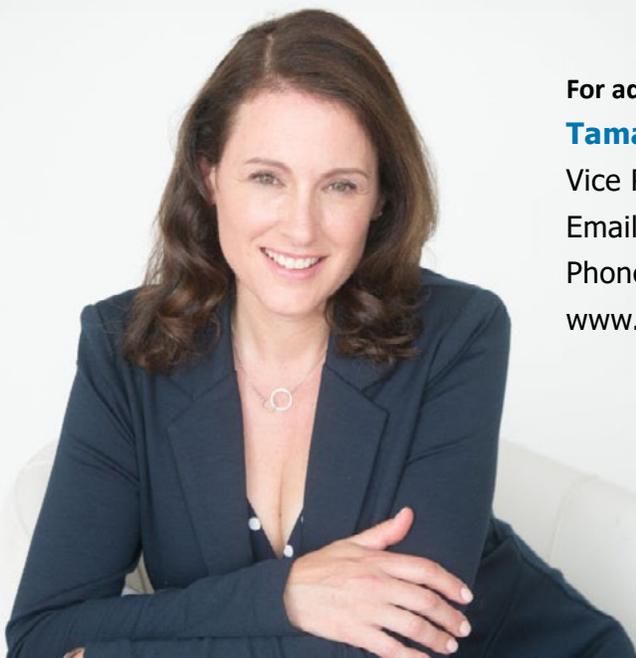
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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	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	Oisín 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
A319-131	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	Feb 2022	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	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A330-200	ORIX Aviation	Trent 772B-60/16	1289	2012	Now	Sale / Lease	Oisín 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
B737-700	BBAM	CFM56-7B20	32418	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	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800	Deucalion Aviation Limited	CFM56-7B27/3	37254	2011	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	Deucalion Aviation Limited	CFM56-7B26	30294	2004	Q1/2022	Sale	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	ORIX Aviation	CFM56-7B24E	40318	2012	Q2/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-800SF	GA Telesis	CFM56-7B24	33003	2002	Q2/2022	Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451



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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
B777-300ER	BBAM	GE90-115B	37898	2012	Apr 2022	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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 Aircraft

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 CRG	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

Commercial Engines

CF34 Engines	Sale / Lease	Company	Contact	Email	Phone
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3A	Now - Sale / Lease				
(2) CF34-10E6	Full QEC	DASI	Joe Hutchings	joe.hutchings@dasi.com	+ 1 954-478-7195
(1) CF34-10E5A1	Full QEC				
(4) CF34-10E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF34-8C5A1	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) CF34-8C5B1	Now - Sale/Lease/Exch.				
(3) CF34-8E5A1	Now - Sale/Lease/Exch.				
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717



THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CF6-80E1A3	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
(1) CF6-80E1A4B	Now - Sale / Lease				
(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@ftaaviation.com	+1 786 785 0787
(1) CFM56-5B5/P	Now - Lease				
(1) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B2/P	Now - Lease				
(2) CFM56-7B26 (full QEC)	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(4) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(4) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P	Now - Lease				
(4) CFM56-7B24/E	Now - Lease				
(4) CFM56-7B24	Now - Lease				
(4) CFM56-7B26	Now - Lease				
(1) CFM56-5C4	Now - Lease				
(4) 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				
(2) CFM56-5B6	Now - Sale / Lease				
CFM56-5 (all thrust levels)	Now - Sale / Lease	Conrail Aviation Support	Steve Williamson	steve@conrail.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
(1) GE90-115BL (Propulsor)	Now - Lease				
(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
(1) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) LEAP-1A33	Now - Lease				
(1) LEAP-1A32	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(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)	Now - Lease				
PW124B	Now - Lease				
PW123B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW150A	Now - Lease				
PW127M	Now - Lease				
PW150A RGB	Now - Lease				

THE AIRCRAFT AND ENGINE MARKETPLACE

PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW150A	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(6) 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) PW123B	Now - Sale/Lease/Exch.	Regional One	Duane Butler	Dbutler@regionalone.com	+1 561-809-0001
(1) PW127F					
(1) PW150A					
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-556-61	Now - Sale/Lease/Exch.				
(1) Trent772B-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.				
(3) V2527-A5	Now - Sale/Lease/Exch.				
(3) V2527E-A5	Now - Sale/Lease/Exch.				
(3) V2527M-A5	Now - Sale/Lease/Exch.				
(3) V2530-A5	Now - Sale/Lease/Exch.				
(2) V2533-A5	Now - Sale/Lease/Exch.				
V2500 (all thrust levels)	Now - Sale / Lease	Contrail Aviation Support	Steve Williamson	steve@contrail.com	+1 720-276-5966
(2) V2533-A5	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
(1) V2527-A5	Now - Lease				
(1) 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@ftaiviation.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
(3) 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, Components 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					
GE90-115B – Fan Stator Module – P/N 2115M15G04		Altavair	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
(1) A320 ENH NLG, (2) A340 Landing Gear Shipsets		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	Now - Sale / Lease	Magellan Aviation Group	Drew Megorden	drew.megorden@magellangroup.net	+1 704-340-0273
(1) GTCP131-9B, (1) GTCP331-500B	Now - Sale / Lease				
(1) GTCP131-9B	Now - Sale/Lease/Exch.	BBAM	Steve Zisis	info@bbam.com	+1 787 665 7039
(2) GTCP331-350, (2) APS2300	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
(1) APS3200, (1) GTCP131-9B					
((1) GTCP331-200ER, (1) RE220RJ	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 954-683-1893
(1) APS1000-C12, (1) GTCP36-150RJ					
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(4) GTCP131-9A, (1) GTCP331-200, (2) GTCP131-9B, (1) GTCP331-200		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(2) GTCP331-350, (1) GTCP331-500, (1) APS3200B, (2) APS3200C					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000			Ricky Torres	stands@gatelesis.com	+1-954-676-3111
(2) APU GTC131-9B	Now - Sale / Lease	Willis Lease	Gavin Connolly	gconnolly@willislease.com	+44 1656 765 256
Engine stands now available	Now - Lease				
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368