

# Weekly Aviation Headline News

## WORLD NEWS

### DHL extends contract with easyJet at London Gatwick

DHL Supply Chain has announced the extension of its Gatwick ground handling agreement through to 2027. The contract will see DHL continue to deliver core customer service and logistics operations including passenger arrival and bag-drop, baggage sortation, boarding gate marshalling, aircraft loading and unloading, as well as management of other service providers. The extension follows a five-year contract signed in 2017, which after a successful launch at Gatwick, saw DHL's services expand into Manchester and Bristol airports in the UK in 2020.

### LATAM increases cargo capacity with additional 767 freighter

LATAM officially received the second of ten 767 Boeing Converted to Freighter (BCF) cargo planes as part of its cargo fleet growth plan, announced in 2021. By 2023, the company plans to have a cargo fleet composed of up to 21 freighters and practically duplicate its offer. The 13-year-old aircraft with registration CC-CXE took off for the first time on March 30th to fly the Miami-Bogota-Miami route, providing capacity to Colombia's flower clients and for importers demanding more capacity to South America.

### ERA welcomes German Airways to membership

The European Regions Airline Association (ERA) recently welcomed the German carrier into membership. German Airways is a wet lease and charter business provider with a fleet that currently includes nine Embraer E190-100LR aircraft. The airline temporarily joined ERA at the height of the pandemic in the pursuit of gaining strength in numbers; and having experienced the power of one collective voice, officially joined this month.



Etihad unveils the sustainability50 new A350.

Photo: Etihad

## Etihad launches A350 operations

With focus on sustainability goals

On March 31 Etihad Airways performed its maiden flight on the much-awaited new A350-1000 between Abu Dhabi and Paris. The aircraft is the first of five A350s set to join Etihad's fleet over the coming months and it's the first of the type operated by a UAE carrier. Initially, the A350 fleet will operate on some short to mid-range routes in Q2, including Mumbai and Delhi, before being introduced on ultra-long-haul operations to Chicago and New York from July. Etihad has been pursuing a path of sustainable flying recently. The

new A350, named Sustainability50, carries a unique livery in recognition of the UAE's commitment to net-zero carbon emissions by 2050. It will join the airline's sustainability

programme will see Etihad's A350s used as flying testbeds of new initiatives, procedures and technologies to reduce carbon emissions, building on the learnings derived from Etihad's similar Greenliner programme for the Boeing B787 aircraft type.

Last year Etihad signed an MoU with Boeing to collaborate and improve sustainability through navigation,

flight operations and airframe technologies – focused initially on the airline's Boeing 787 fleet. Boeing and Etihad have previously

**“We designed our sustainability programme as a vehicle for collaboration, and our strategic partnership allows us to harness the sustainability credentials of the A350.”**

*Tony Douglas, Group CEO, Etihad*

drive as part of a programme aimed at decarbonising aviation.

Formed as a partnership between Etihad, Airbus and Rolls Royce in 2021, the Sustainability50

*Continued on page 3*

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...continued from page 1

collaborated using the airline's commercial flights to test sustainable practices.

Etihad recently established a formal framework with Airbus to collaborate on sustainability across several areas including the promotion and commercialisation of sustainable aviation

fuel, waste and weight management, and the development of data-driven analysis.

"We designed our sustainability programme as a vehicle for collaboration, and our strategic partnership with Airbus allows us to harness the sustainability credentials of the A350

through the Sustainability50 programme, as we work towards our joint objectives to reduce aviation's impact on the environment," said Tony Douglas, Group Chief Executive Officer.

## AIRCRAFT & ENGINE NEWS

### Aergo Capital acquires three B737NGs from AerCap

Aergo Capital Limited (Aergo) has acquired three Boeing 737NG aircraft from AerCap, bearing the manufacturer serial numbers 30692, 30674 and 30705 which are subject to leases with Enter Air, LAM and Ethiopian Airlines respectively. Fred Browne, Chief Executive Officer of Aergo, commented: "We are delighted to have successfully completed the acquisition with AerCap. With this transaction, Aergo has added two new customers to its growing portfolio. We look forward to completing many more transactions together in the future."

### Willis Lease Finance signs regional aircraft and engine deal with TAG Airlines

Willis Lease Finance has entered into lease agreements with Transportes Aéreos Guatemaltecos (TAG Airlines) for four ATR 72-500 aircraft. The five-year deal will see the aircraft overhauled and refurbished, fitted with new Pratt & Whitney Canada PW127M engines. The ATR 72-500 aircraft is known to be one of the most efficient and environmentally friendly aircraft and can hold up to 74 passengers in a spacious two-by-two seating configuration. In addition to the aircraft leases, TAG will be included in Willis Lease's ConstantThrust™ programme. Under the agreement, programme maintenance and care for the engines is overseen by Willis Lease, including providing spare engines when the need arises. "This is the first time we have signed a regional airline to our ConstantThrust™ programme," said Willis. "To date, we have provided ConstantThrust™ to our large-fan engine customers. With the signing of TAG, we are breaking new ground, improving the levels of service for regional carriers and providing them the same kind of superior service, dispatch reliability and support that major international air carriers enjoy." Aircraft deliveries are expected to begin in the first half of 2022.

### Air Lease Corporation signs new lease agreements with Aeromexico

Air Lease Corporation (ALC) has signed long-term lease agreements for nine new Boeing 737 aircraft with Aeromexico. Consisting of two new 737-8s and seven new 737-9s, the aircraft are scheduled to deliver between July 2022 and August 2023 from ALC's orderbook with Boeing. "Air Lease Corporation is Aeromexico's largest lessor, and we are pleased to further our relationship with the airline with these nine new Boeing 737 aircraft lease placements," said Steven Udvar-Házy, Executive Chairman of Air Lease Corporation. "Aeromexico is delighted once again to partner with ALC to help modernise our fleet with new fuel-efficient and environmentally friendly Boeing aircraft in 2022 and 2023," said Dr Andres Conesa, CEO of Aeromexico.



Aeromexico has signed lease agreements for nine Boeing 737 aircraft with ALC  
Photo: AirTeamImages

### flynas to increase new jet orders up to 250 after COVID bounce back

As a result of operating again at pre-pandemic levels, the flynas Board of Directors have agreed to increase the volume of aircraft on order to 250 of varying capabilities. The Saudi carrier and leading low-cost airline in the Middle East is aiming to become the largest low-cost airline in the MENA region. The additional aircraft will enable flynas to expand internationally and explore the opening of new bases outside Saudi Arabia. Currently, flynas operates more than 1500 weekly flights to 35 domestic and international destinations with its fleet of approximately 35 aircraft. Recently the carrier signed an agreement with Airbus to purchase 120 new A320neo aircraft at a list value of US\$ 8.6 billion (£6.6 billion). Bander Almohanna, the CEO & MD of flynas, commented: "The

decision of the Board of Directors of flynas to raise our new aircraft orders to 250 supports our effort to achieve the Civil Aviation Strategy and expresses the Board of Directors' belief in the growth opportunities and positive perspective of domestic and international markets," adding that "From our position as a Saudi air carrier, we see great opportunities for expansion supported by the strategic location of the Kingdom and the prospects opened by Saudi Vision 2030 for the air transport sector. This is reinforced by the launch of the Civil Aviation Strategy, which aims to increase the annual passenger traffic to 330 million and connect KSA with more than 250 destinations worldwide by 2030. We will explore aircraft of different capabilities, to fly to new destinations increasing the connection of the world to the Kingdom, support tourism and contribute to the transportation of pilgrims and Umrah performers.





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## AIRCRAFT & ENGINE NEWS

### Avolon's 500 VX4 orders now fully placed with latest order from Gözen Holding for 100 aircraft

Avolon, the international aircraft leasing company, has released that Gözen Holding, one of Turkey's leading aviation conglomerates and owner of Freebird Airlines, has committed to purchase or lease up to 50 VX4 eVTOL aircraft it currently has on order, with the option to purchase or lease up to 50 additional aircraft. As a result of this announcement, Avolon has now placed its entire 500 VX4 eVTOL aircraft orderbook, with the orderbook being over-subscribed by 50 options. As part of the agreement, Avolon, through its investment and innovation affiliate Avolon-e, has formed a strategic partnership with Gözen Holding to commercialise zero-emissions eVTOL travel and develop an industry-leading urban air mobility (UAM) platform in Turkey. Avolon and Gözen Holding will collaborate in a working group to identify and target local partners, research potential market opportunities, as well as infrastructure and certification requirements for UAM. The partnership will allow Avolon to leverage Gözen Holding's expertise in airline operations, pilot training, airport handling and security, airline representation as well as digital platforms, while Gözen Holding will benefit from

Avolon's deep industry expertise and global platform of UAM working groups, which are active in Brazil (with GOL), Greenland (with Air Greenland), Japan (with Japan Airlines) and Southeast Asia (with AirAsia).



Photo: Avolon and Gözen Holding will form a partnership to commercialise zero-emissions eVTOL travel in Turkey

### Bombardier's Global 7500 expands VistaJet's ultra-long-haul fleet



VistaJet takes delivery of its 10th Bombardier Global 7500 aircraft

Photo: Bombardier

VistaJet, the global business aviation company and aircraft manufacturer, Bombardier, celebrated a milestone delivery of the industry flagship Global 7500 aircraft. The celebration, taking place at Bombardier's Laurent Beaudoin Completion Centre in Montréal on March 29 marks Bombardier's 100th delivery of the ultra-long-range smooth-flying jet, and VistaJet's 10th, making it the largest operator of Global 7500 aircraft. The event underscores the long-time relationship between the two brands and demonstrates the success of this unparalleled business jet. VistaJet plans to welcome up to a total of 17 Global 7500 aircraft into its fleet by the end of 2022. Thomas Flohr, VistaJet's Founder and Chairman commented: "We are extremely proud of this landmark moment with Bombardier, as we grow our Global 7500 fleet and meet the growing demand for ultra-long-range solutions. VistaJet is committed to a sustainable aviation future and supporting the global business industry with this expansion. Our enhanced product offering onboard the Global 7500 also guarantees that our clients, whether business or leisure travellers, are given

the best and most seamless flying experience. We look forward to welcoming more members and supporting the business world as our growing fleet of Global 7500 aircraft opens a new era for long-haul private travel."



## AIRCRAFT & ENGINE NEWS

### ASL Aviation Holdings to purchase up to 20 additional Boeing 737-800BCFs

In June 2019 ASL Aviation Holdings (ASL) announced its intention to purchase ten 737-800 Boeing Converted Freighter (BCF) aircraft, with an option for ten additional aircraft. In January 2021 the global aviation services company took delivery of its first 737-800BCF and the following month it confirmed its options for the additional ten aircraft. With 11 of these aircraft now in service, ASL announced at the European Regions Airline Association (ERA) annual conference in Malta on Thursday, March 31, it has placed a new order for ten further 737-800 BCFs with options for ten more. The aircraft will be converted by Boeing at the approved MRO suppliers STAECO in Jinan, China and at Boeing's MRO facility at London Gatwick Airport in the UK. It is anticipated conversions will begin in the second quarter of 2023 once the remaining first-order aircraft have been delivered. Currently the 737-800 BCFs which have been re-delivered are being operated by ASL Airlines Belgium, ASL Airlines France and ASL joint-venture airline, K-Mile Asia, based in Bangkok, Thailand. The new aircraft have been earmarked for ASL's airlines in Ireland, Belgium and France in Europe and joint venture airlines in Asia. The 737-800BCF is used primarily by ASL's airlines to transport express cargo and e-commerce freight and can carry up to 23.9 tonnes (52,800 pounds) with a range up to 3,750 kilometres (2,025 nautical miles).



Photo: ASL Airlines Boeing 737-800BCF

## MRO & PRODUCTION NEWS

### Bamboo Airways selects REVIMA for A320 and A321 landing gear MRO



Photo: Bamboo Airways Airbus A320neo aircraft

Revima, a leading independent APU and landing gear MRO specialist, has been selected by Bamboo Airways for its Airbus A320 and A321 landing gear overhauls to be performed in its new Thailand facility. As part of this agreement Revima will provide leased shipsets to support Bamboo Airways. The MRO work will be provided by Revima's new state-of-the-art facility located in Chonburi, Thailand. The brand-new 11,000 m<sup>2</sup> facility has full in-house repair capabilities, including very large plating and machining installations. It is strategically located in Southeast Asia and is currently staffed by over 90 experienced technicians and engineers, benefitting from Revima's over 60 years of landing gear MRO experience. The Thailand operations also houses a world-class dedicated customer service centre.

### SCHROTH Safety Products and Wizz Air announce collaboration on aircraft seatbelts

SCHROTH Safety Products has signed an agreement with Wizz Air and its partner airlines within the Indigo Partners group to become the selected passenger seatbelt supplier for their new fleet of Airbus A320neo and A321neo aircraft. In total, this programme represents more than 100,000 SCHROTH AirLite® passenger seatbelts. With this deal, SCHROTH is adding five new aircraft operators to its airline customer base, including Wizz Air, Frontier, Volaris, JetSMART, and Enerjet. Following the announcement of this major milestone, SCHROTH CEO Martin Nadol commented: "Safety through technology is the core value of our business. We are very excited to be given the opportunity to work with Wizz Air and the Indigo Partner airlines for this very important and large project. I am extremely proud of the great work our team did to prove to all the airlines in the group why SCHROTH is the right partner for them."



Wizz Air A321neo aircraft

Photo: AirTeamImages

## MRO & PRODUCTION NEWS

### JMC Group contracted to work with Boeing at Gatwick



JMC engineers will partner with Boeing on B737 passenger to freighter conversions *Photo: JMC Group*

JMC Group will commence work in late April on a two-year programme supporting Boeing at its Gatwick Airport MRO facility. JMC engineers will partner with Boeing on B737 passenger-to-freighter conversions. A new dedicated conversion line at Boeing's Gatwick hangar has been established for the work, as demand for narrow-body freighters continues to grow. Boeing opened its Gatwick Hangar in November 2019, reinforcing its commitment to the aftermarket. Close to the simulator centres in Crawley, the facility reflects Boeing's commitment to the European aviation market and aerospace expertise in the UK.

### Magnetic Engineering expands CAMO capabilities

Magnetic Engineering, a member of the Magnetic Group, has announced that the company's CAMO department has received the increased capability of its continuing airworthiness management organisation certification from the Estonian Transport Administration. These recent capability expansions extends CAMO services' portfolio and marks the achievement in its ongoing growth plan. Various aircraft types, including Boeing B737 MAX, B747-400, Saab 340, Saab 2000 and Embraer 190 aircraft have been added to approval, meaning the company can serve more customers than ever before, providing direct and sub-contracted CAMO support, including ARC reviews.



*Photo: Magnetic Engineering expands its CAMO capabilities*

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## MRO & PRODUCTION NEWS

### Lufthansa Technik expands 5G network to second overhaul shop in Hamburg



Photo: Lufthansa Technik 5G network extension

More than two years ago, Lufthansa Technik was one of the first industrial companies in Germany to start setting up so-called campus networks based on the latest mobile communications standard 5G. Based on the excellent experience in the engine services business unit, the 5G network there has now been extended to a second overhaul workshop. As a result, additional customers can now witness their engine layovers remotely via the AVIATAR platform. Any interference with flight operations, which was recently the subject of controversy in the United States, can be ruled out at the Hamburg base. Lufthansa Technik had already been operating its own 5G campus network since 2020. At that time, it was used for the first time in a Hamburg workshop for aircraft engines, where the CFM56 and V2500 types are overhauled. Here, 5G made it possible to reliably use high-resolution video streams in the visual inspection of engine parts. In times of massive travel restrictions during the CORONA crisis, this so-called "Virtual Table Inspection" (VTI) quickly advanced from a test project to a business-critical infrastructure, because customers no longer had to travel to Hamburg to have their engine parts inspected.

### Pratt & Whitney sign MOU with Air bp on SAF testing and research

Pratt & Whitney has signed a memorandum of understanding with Air bp regarding various workstreams with respect to the application of sustainable aviation fuel (SAF) blends at up to 100% in Pratt & Whitney engine testing and research. The agreement reflects Pratt & Whitney's commitment to supporting the aviation industry's ambitious goal of reaching net-zero CO2 emissions for air travel by 2050. As part of the agreement, the parties will work collaboratively to explore the viable supply to Pratt & Whitney of SAF blends with up to 100% SAF for engine and propulsion systems testing through 2024. In addition, the two companies aim to collaborate on researching the performance of 100% SAF in propulsion systems to provide insights and data into fuel performance and emissions reductions. Pratt & Whitney is committed to ensuring that future generations of engines are ready to operate with 100% SAF, including the GTF Advantage™ engine. Since entering service in 2016, the Pratt & Whitney GTF engine family has saved operators more than 600 million gallons (two billion litres) of fuel and avoided more than six million metric tonnes of CO2. Besides enabling greater use of SAF, Pratt & Whitney is developing a range of technologies to drive further reductions in CO2 emissions from future aircraft designs, including more advanced gas turbine technologies, hybrid-electric systems and hydrogen fuel technologies.



Photo: Pratt & Whitney is committed to ensuring that future generations of engines are ready to operate with 100% SAF

### Asiana Airlines and Lufthansa Technik extend contract for repair and overhaul of Asiana's CF6-80 engines



Photo: Asiana Airlines

South Korean carrier Asiana Airlines and Lufthansa Technik have extended their contract for the repair and overhaul of Asiana's CF6-80 engines powering the airline's Boeing 747 and 767 fleets. The five-year non-exclusive contract is covering a total of 17 B767-300 and B747-400 aircraft. This extension will strengthen Lufthansa Technik's business in the Asian market, one of the strongest-growing regions and generate a stable workload for the CF6 product line over the coming years. Lufthansa Technik and Asiana Airlines have been working together for more than 25 years. Lufthansa Technik also provides component maintenance for the Asiana Boeing 777-200ER fleet, an integrated Total Component Support for the airline's Airbus A320F and A350 fleets and CF6 engine support and heavy maintenance for the carrier's Airbus A380 fleet.

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## MRO & PRODUCTION NEWS

### Deutsche Aircraft selects Liebherr to supply flap and spoiler actuation system for D328eco aircraft

Deutsche Aircraft GmbH has announced its partnership with Liebherr-Aerospace, to develop and supply the flap and spoiler actuation system for the D328eco™ aircraft, a game-changing platform that paves the way towards a zero-emission flight objective. Liebherr, renowned for the highest quality, will contribute to the development of the D328eco with highly engineered “made in Germany” parts that follow sustainable manufacturing practices, aligned with both companies’ future environmental goals. The parts will be manufactured by Liebherr-Aerospace, based in Lindenberg, Germany, where they already benefit from decades of experience as a German manufacturing centre of excellence, supplying state-of-the-art technology to the aviation industry. Liebherr will develop and deliver the flap control unit including application and control software. The unit is composed of a command / monitor architecture and is designed according to the DAL A with a DAL C Command Lane and the DAL A Monitor Lane.

## FINANCIAL NEWS

### TP Aerospace reports strong performance in 2021

In its published annual report TP Aerospace has shown that the company is on a positive track, after almost two years of crisis in the industry caused by the pandemic. While global aviation remained significantly impacted by the COVID-19 pandemic in 2021, activity grew steadily for TP Aerospace and the company managed a more-than 30% top line growth from 2020. TP Aerospace ended the year with US\$ 88.8 million in revenue, which was 31% above 2020 levels, while EBITDA ended 46% above 2020 levels, with US\$ 31.3 million. The performance was, amongst other, driven by a faster recovery of narrow-body aircraft, which is a segment where TP Aerospace was very well positioned in 2021 as well as a general uptake in the leisure travel market in Europe. With a good result in 2021, along with the signing of significant new contracts towards the end of the year, TP Aerospace is well-positioned to continue the growth in 2022. (£1.00 = US\$1.31 at time of publication).

## FINANCIAL NEWS

### Cargojet signs long-term agreement with DHL to provide global air-transportation services

Cargojet has entered into a new long-term strategic agreement with DHL Network Operations (USA), an affiliate of Deutsche Post DHL Group, for a term of five years with a renewal option for an additional two years, to provide air-transportation services for DHL’s global network. The agreement is expected to be meaningfully accretive to Cargojet’s earnings and cash flows



Cargojet Boeing 767-300 freighter

Photo: AirTeamImages

over time and help Cargojet further diversify its portfolio of services in line with its previously announced strategic goal of achieving a balanced portfolio. Under the agreement, Cargojet will provide ACMI, CMI, charter and aircraft dry lease services to DHL to support DHL’s international requirements for Europe and North, South, Central and Latin America, as well as Asia. Cargojet utilises 12 freighters to service DHL’s current requirements. DHL intends to add five additional B-767 freighters during the 2022-23 timeframe to fulfill DHL’s anticipated network requirements. Additionally, DHL intends to be Cargojet’s inaugural launch customer for the state-of-the-art B-777 wide-body long-range cargo aircraft, which are expected to be deployed in late 2023 or early 2024. In addition, to align interests and strengthen the long-term strategic relationship, Cargojet will issue warrants to DHL to acquire up to 9.5% of Cargojet’s outstanding voting shares (on a non-diluted basis as of the date hereof) at a price of CA\$158.92 per share (based on the 20-day volume weighted average trading price immediately prior to the date hereof) over a period of seven years, with vesting tied to the delivery by DHL of up to CA\$2.3 billion in business volume during the same term. (US\$1.00 = CA\$1.25 at time of publication).

### HEICO completes acquisition of Pioneer Industries

HEICO Corporation has released that its Flight Support Group has completed the acquisition of Pioneer Industries. On February 10, 2022, HEICO had entered into an agreement, subject to regulatory approval which was subsequently received, to acquire Pioneer. The purchase was completed under previously announced terms. HEICO stated that it expects the acquisition to be accretive to its earnings within the year following closing. Farmingdale, NY-based Pioneer Industries is a leading specialty distributor of spares for military aviation, marine and ground platforms. Its customers include the US Department of Defence and companies that support the defence sector. HEICO Corporation is engaged primarily in the design, production, servicing and distribution of products and services to certain niche segments of the aviation, defence, space, medical, telecommunications and electronics industries through its Hollywood, Florida-based Flight Support Group and its Miami, Florida-based

Electronic Technologies Group.

### AerCap reports fourth-quarter financial results

Aviation leasing company AerCap has reported financial results for the fourth quarter of 2021 ended December 31. With the completion of the GECAS acquisition on November 1, 2021, AerCap has become an industry leader across multiple areas of aviation leasing including: commercial aircraft, engines and helicopters. AerCap executed 230 transactions in the fourth-quarter 2021, including 158 lease agreements, 42 purchases and 30 sales. The company completed the offering of US\$21 billion of senior unsecured notes in October 2021 and a US\$2 billion secured institutional term loan in November 2021 to finance the GECAS acquisition with an average coupon of approximately 2.6% and an average tenor of 7.1 years. Fourth-quarter cash flow from operating activities was US\$1.7 billion, more than 2.5-times higher than the

## FINANCIAL NEWS

fourth quarter of 2020. AerCap continued to see significant improvements in cash collections, trade receivables and deferral requests. Special items in the fourth quarter of 2021 included US\$139 million (US\$122 million after-tax) of expenses related to the GECAS transaction. Aengus Kelly, Chief Executive Officer of AerCap, said: "2021 was a milestone year for AerCap as we closed the GECAS transaction on November 1st. This transaction significantly enhanced and diversified our fleet, broadened our customer base and geographic reach, increased our product offering and added outstanding new talent – the combination of which we expect to lead to increased revenues, earnings and cash flows in the future. Notwithstanding the Ukraine invasion and the broad sanctions imposed against Russia, where we had approximately 5% of our fleet, we believe the continued recovery in air travel in many parts of the world puts AerCap on a positive trajectory heading into 2022." (£1.00 = US\$1.31 at time of publication).

### Fraport sells its 24.5% stake in Xi'an Airport

Fraport AG is selling its stake in Xi'an Airport (XIY) in Central China. Under the agreement signed on March 31, Fraport is selling its entire 24.5% stake in Xi'an Xianyang International Airport Co., – the airport's operating company – to Chang'an Huitong Co., for a price of 1.11 billion yuan (CNY) (£133 million). Fraport AG's CEO, Dr Stefan Schulte, explained: "We reflect on our activity in Xi'an with great satisfaction, but also some disappointment. On the one hand, the Xi'an subsidiary gave us an opportunity to showcase our expertise in airport management. Indeed, over the past 14 years, Fraport successfully developed Xi'an from a medium-sized regional airport with about 10 million passengers annually to one of China's largest aviation gateways,

## MILITARY AND DEFENCE

### Airbus Helicopters and Boeing sign H-47 Chinook MoU relating to German heavy-lift helicopter needs



H-47 Chinook helicopter

Photo: Boeing

Airbus Helicopters and Boeing have signed a Memorandum of Understanding (MoU) for their partnership on the Chinook H-47 to support Germany's Schwerer Transporthubschrauber (STH) heavy-lift helicopter requirements. The purpose of the partnership is to bolster Germany's defence readiness, while also supporting German economic growth. It will also help to combine the expertise of two of the world's leading aerospace companies, enabling them to deliver advanced capability, readiness and innovative solutions as part of the German Chinook industry offering. The partnership agreement will build on the existing Chinook partnership team which is made up of AERO-Bildung GmbH, CAE Elektronik GmbH, ESG Elektroniksystem- und Logistik-GmbH, Lufthansa Technik, Honeywell Aerospace and Rolls-Royce Deutschland. Boeing is committed to working with German industry on aircraft sustainment, including post-delivery modifications and installations, aircraft maintenance, supply chain services, training and logistical support, plus the potential for sub-systems Maintenance Repair and Overhaul work. Eight NATO nations currently fly the Chinook – Netherlands, Italy, Greece, Spain, Turkey, United Kingdom, Canada and the United States of America – the aircraft having already proven its unique capabilities and mission readiness in several theatres including Air-to-Air refueling, Medevac, troop transport, search and rescue and humanitarian and disaster relief, and special operations. "We are pleased that Airbus Helicopters has joined our team of strategic partners on the H-47 Chinook programme for Germany, and together we will provide the strongest offering to the Bundeswehr," said Mark Cherry, Boeing Vice President and General Manager, Vertical Lift programmes, adding, "The Chinook has been the preferred heavy-lift helicopter in Europe for decades and a cornerstone of all kinds of NATO operations." "Building on decades of experience as a partner of the Bundeswehr, Airbus Helicopters is excited to join Boeing's Chinook Germany industry team and to partner with Boeing on delivering maximum operational availability to the Bundeswehr," said Wolfgang Schoder, General Manager of Airbus Helicopters in Germany.



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## FINANCIAL NEWS

serving more than 40 million passengers per year. On the other hand, we always regarded our minority stake in Xi'an as a starting point for expanding our business in China – the most populous country in the world. However, this never materialised in Xi'an or at any other Chinese airport. Consequently, we have now decided to cease our activities in the Chinese market. With gratitude, we thank our partners at Xi'an Airport and the entire region for their excellent support. We also wish Xi'an Airport all the best for the future!" Fraport acquired its stake in Xi'an in 2008. The transaction closing still requires several steps to be completed. Currently, the Xi'an operating company anticipates conclusion of the transaction during the second quarter of 2022. Fraport expects the sale to have a positive impact on both the Group's operating result (EBITDA) and the financial result (net profit). Moreover, the Group's net financial debt will be further reduced by the additional cash inflow resulting from selling the stake.

## MILITARY AND DEFENCE

### Army Research Laboratory awards GE US\$5.1 million contract to advance hybrid electric engine technology

US Army Combat Capabilities Development Command, Army Research Laboratory (DEVCOM ARL) has awarded GE a US\$5.1 million (£3.9 million) research and development contract for the Applied Research Collaborative Systematic Turboshift Electrification Project (ARC-STEP), bolstering GE's efforts to develop hybrid electric engine technologies for the future of flight. Included in this project is research, development, testing, and evaluation of a megawatt (MW) class electrified powerplant that further develops technologies applicable to Army Future Vertical Lift (FVL). ARC-STEP will use a GE CT7 turboshaft engine, combined with GE-produced electric machine and power electronics. Subject matter experts from GE and the Army across turbine engines, electrical systems and thermal management disciplines will investigate and integrate technologies that enable lightweight, efficient, reliable and safe hybrid-electric propulsion systems. Tests will take place at the GE's Research campus in Niskayuna, N.Y. This contract award comes shortly after NASA selected GE for the Electric Powertrain Flight Demonstration (EPFD) project to mature a MW-class integrated hybrid electric powertrain and demonstrate flight readiness for single-aisle aircraft. The EPFD and ARC-STEP awards are helping GE to continue building extensive experience with hybrid electric systems and electrical power generation

## MILITARY AND DEFENCE

### Avio Aero selected to power Eurodrone



Eurodrone

Photo: Airbus

Following a competitive tender process as well as an extensive technical analysis phase, Airbus has selected Avio Aero from Italy to power the Eurodrone unmanned aerial system with its engine and propeller solution, dubbed Catalyst. "This selection is a decisive step forward and will ensure that the Eurodrone programme can proceed on time, on cost and in line with the specifications laid out by our customers. The Catalyst was identified as the best solution based on superior performance, lower developmental risk, better in-service economics as well as growth potential. In line with customer requirements, Catalyst will offer a truly European solution and will thus contribute to the overall role of Eurodrone as an enabler of strategic autonomy", said Jean-Brice Dumont, Head of Military Aircraft at Airbus Defence and Space. The Catalyst is an engine proven in flight, entirely developed and manufactured in Europe. As well as the Eurodrone programme, this engine has been conceived as 100% ITAR-free (International Traffic in Arms Regulation), thus enabling independence on export chances and avoiding additional requirements prior export clearance. As part of its responsibilities as main subcontractor for this major collaborative European programme, Airbus Defence and Space is responsible for the selection of the engine supplier.

### Rolls-Royce secures £105 million Hawk trainer MRO contract from UK MoD

Rolls-Royce has announced that it has secured an 11-year maintenance, repair and overhaul (MRO) contract from the UK Ministry of Defence (MoD) for the Adour engines which power the Hawk jet trainer fleet, including the world-famous Red Arrows, the RAF Aerobatic Team. The contract enables Rolls-Royce to provide its MRO services for both variants of the Adour jet engine at Rolls-



Royal Air Force Aerobatic Team - Red Arrows

Photo: Rolls-Royce

Royce's UK Defence Headquarters in Bristol together with representatives at RAF Valley who will provide in-situ advice to operations. "The agreement announced today will allow us to maximise the availability and supportability of the Adour engine for our customer. We have an established and valuable relationship with the UK Government and armed forces, and we are proud to continue to support them into the next decade and beyond," said Alex Zino, EVP Business Development and Future Programmes at Rolls-Royce Defence. The Adour Mk951 engine powers the BAE Systems Hawk TMk2 Advanced Jet Trainer, the key platform in the Fast Jet Pilot stream within the UK Military Flying Training System (MFTS) and the Hawk TMk1 aircraft, operating in the Red Arrows which are powered by the Adour Mk151 variant. Adour is a collaborative engine between Rolls-Royce and Safran and is a twin spool, counter-rotating turbofan engine that delivers thrust in the range of 5,000 to 8,000 lb.

## OTHER NEWS



Photo: Safran

Airport operators **Groupe ADP** and **GMR Airports** together with **Airbus**, **Axens** and **Safran** have signed a Memorandum of Understanding (MoU) to conduct a joint study on Sustainable Aviation Fuels (SAF) and its potential in India. The objective of the study, conducted under the lead and coordination of Groupe ADP and GMR Airports and with the expertise of all partners, is to understand and evaluate the demand, the challenges and opportunities of supply, infrastructure and fuelling, as well as to prepare a business case for SAF production and use in India for all kind of aviation purposes. SAF is a clean substitute for fossil jet fuels. Rather than being refined from petroleum, SAF is produced from sustainable resources such as waste oils from a biological origin, agri residues, municipal solid waste or algae. SAF produced using the most advanced pathways can provide CO2 emission reduction of up to 85% across the entire SAF lifecycle. The aviation sector globally contributes to 2-3% of CO2 emissions as compared to other sectors. In 2009, the aviation industry collectively agreed

under the frame of ATAG (Air Transport Action Group) to the world's first set of sector-specific climate change targets. These targets include carbon-neutral growth from 2020 and achieving 50% reduction in carbon emission by 2050 relative to a 2005 baseline. In 2021, the ATAG commitments were modified to aim at Net Zero in 2050, in order to be coherent with current global roadmaps defined in the Paris Agreement with 1.5°C temperature limit scenario. To realise this ambitious goal for the aviation sector, ATAG has identified SAF as one of the most promising options. International Civil Aviation Organization (ICAO) also stressed the need for massive deployment of SAF in its work dedicated to LTAG (Long Term Aspirational Goals) recently adopted. In India, already the third-largest domestic aviation market in the world and with a forecasted yearly growth of about 9% going forward, SAF use will be a key element to achieve the targets of carbon reduction and net-zero target of the country by 2070, set by the Indian Prime Minister Sri Narendra Modi. Considering the crucial role SAF is going to play within the aviation sector in coming years, it is imperative to evaluate and map the requirements of SAF, feedstock availability, fuel production technologies, logistics systems and airport infrastructural planning at Indian Airports and make it future ready. The joint study on Sustainable Aviation Fuels will help Indian aviation sector in assessing all these critical factors and help them gear up for the future. The study will also review the regulations in place and what could be the necessary evolutions to permit to the SAF to take off in the operations. In addition, this study will also evaluate the business model and feasibility of the implementation of a pilot project in an appropriate location in India, which could be taken up in a second phase by the partners. The study will be initiated in the second quarter of 2022 and is expected to be completed within one year. It may be further extended based on the agreement of all the parties involved.

After two years, **British Airways** returned to international short-haul flying from **Gatwick Airport** on Tuesday, March 29, as its first service departed for Larnaca at 6:25am. As a result of the COVID-19 pandemic the airline suspended its European operation at Gatwick Airport, moving a number of flights over to Heathrow. Today marks a milestone in the airline's recovery as it finally returns to international short-haul flying from the airport. Initially, services will operate under the British Airways Air Operators Certificate (AOC), before moving operations to a new British Airways-branded subsidiary, BA Euroflyer later in the year. The new airline will operate in a similar manner to the company's existing subsidiary BA Cityflyer, flying under the British Airways brand and delivering a premium British Airways product. On the first day of operation, British Airways will operate four short-haul flights to Larnaca, Amsterdam, Paphos and Tenerife. In total, customers will have the choice of 35 destinations to fly to from Gatwick, before more destinations are added later this year. Not only has the British Airways return to Gatwick created more choice for customers, but it has also helped create jobs as the airline undertook both a cabin crew and pilot recruitment campaign to fill positions at its new subsidiary.



Photo: British Airways



## OTHER NEWS

**LEVEL**, IAG's low-cost long-haul airline, has started to connect Los Angeles with Barcelona and resumes its direct San Francisco–Barcelona route as part of its Summer 2022 programme. The route from Los Angeles, the airline's highlight for this summer season, will initially operate with three frequencies a week, on Mondays, Thursdays and Saturdays and, as of June 1, an additional frequency will be added on Wednesdays, taking the total up to four. The route from San Francisco resumes with four weekly frequencies, including operations on Tuesdays, Thursdays, Saturdays and Sundays. The routes from Los Angeles and San Francisco are two of four routes that LEVEL will operate in the United States during this 2022 summer season. In addition to Los Angeles and San Francisco, LEVEL is also flying to Barcelona from New York and a Boston–Barcelona route will be added on May 1. Moreover, the airline's codeshare with American Airlines and Alaska Airlines links the city of Barcelona with the US market thanks to the connecting reservations to and from destinations offered by those airlines. Thus, this codeshare provides the destinations of American Airlines and Alaska Airlines with a greater number of connections to Barcelona and other Spanish and European destinations through the network of Vueling, IAG's low-cost short/medium-haul airline.



*Photo: Level is operating a fleet of Airbus A320-200 aircraft*

A new state-of-the-art Airbus A320 Flight Training Device (FTD) Level 2 is ready for training at **BAA Training Spain**. It is one of only a few devices of this kind in Europe with Level 2 certification. It offers high-fidelity training functionality: the cockpit, visual system and software are identical to a full-flight simulator (FFS), except it does not have a hydraulic motion system. Managing Director of BAA Training Spain, Aurimas Urbonas, said: "By introducing an FFS and FTD equipment mix, we are providing our corporate and individual customers with an opportunity to use their budget allocated to the training much more efficiently. They can now book additional training hours to hone their pilot skills, surpassing the EASA requirements. Many airlines face an issue that their pilots who have temporarily been out of the flight deck start losing their competencies. The FTD device offers a streamlined solution to help them recover their skills quickly." Apart from MCC and JOC, parts of Type Rating can be completed on FTD Level 2. BAA Training initially plans to utilise this device for conducting up to 20% of Type Rating, which will potentially be extended to 50% in the future. This equipment will also be used for recurrent training and other courses under OM-D later on. BAA Training Spain currently operates the following simulators: Airbus A320ceo, Airbus A320ceo/neo, Boeing 737 MAX and A320 FTD Level 2 device. An additional Boeing 737 MAX FTD Level 2 will be delivered to the Spanish facility in May 2022. In total, eight FTD Level 2 simulators are planned to be delivered and put into service across different BAA Training locations: in Lithuania, Vietnam,



*Photo: Hans Airways formally confirmed its January 2022 LOI for its first Airbus A330-300 with a committed contract*

**Hans Airways**, the new British long-haul airline, has achieved some significant milestones, taking it closer to realising its plan to start commercial operations in early summer. CEO and founder Satnam Saini is extremely encouraged that India re-opened to international scheduled flights on March 26. The company formally confirmed its January 2022 Letter of Intent for its first Airbus A330-300 (MSN 950) with a committed contract. The aircraft is now in Abu Dhabi where it is undergoing maintenance checks with Etihad Engineering, overseen by a Hans Airways liaison engineer. The management team and Board is looking forward to securing a proving flight date imminently from the UK Civil Aviation Authority. This operational milestone will be a precursor to obtaining its Air Operator's Certificate. Twelve newly recruited cabin crew members start their training at Birmingham and Manchester next week, engaged through the Resource Group and Neeru Prabhakar, former cabin service director/trainer/recruitment at British Airways for 30 years, joined Hans Airways last month. This follows the completion of pilot training at the end of January – specifically ground school at IAGO Flight Training, Crawley and simulator training at L3 Harris. Hans Airways is proud to have employed some exceptional commercial pilots, who have garnered experience with a variety of low-cost, legacy and regional airlines.

## OTHER NEWS

Spain and France.

**Bahrain Airport Services** (BAS) has signed a contract with **SITA** to deploy SITA Airport Management, enabling BAS to manage its ground handler operations as cost effectively as possible and to ensure the services are delivered in a timely manner, avoiding flight delays. A key component of the technology upgrade is SITA Mobile Resource Manager which calculates optimal staffing levels, creates optimised rosters and gives a real-time view of task allocations and activities at Bahrain International Airport (BIA). Through the new system, agents will be offered mobile access to enable data entry at the time and place of their operations. The system can also be used by all BAS staff working on shift rosters. SITA Mobile Resource Manager provides an innovative way to connect mobile wireless devices in the hands of employees with the back-office systems and people needed to make things happen. Real-time updates improve and accelerate decision-making as events unfold, enabling more effective planning and allocation of resources. Automatic task logging increases the accuracy of billable services, boosting revenue generation and dramatically reducing time spent on charging disputes.

## INDUSTRY PEOPLE



Ted Colbert

• Boeing has named **Ted Colbert** as President and Chief Executive Officer of its Defense, Space and Security business. Colbert succeeds **Leanne Caret** who is retiring following nearly 35 years of exceptional service with The Boeing Company. Stephanie Pope has been appointed as president and CEO of Boeing Global Services (BGS), succeeding Colbert. As President and CEO, Boeing Defense, Space and Security (BDS), Colbert will oversee all aspects of the company's business unit that provides technology, products and solutions for defense, government, space, intelligence and security customers worldwide. BDS had 2021 revenue of US\$26 billion (£19.8 million). Colbert and Pope's new assignments will be effective April 1. Until her retirement later this year, Caret will serve as Executive Vice Presi-

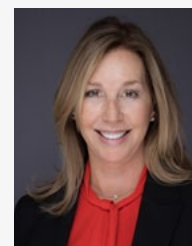
dent and senior advisor to the CEO, reporting to Calhoun, Boeing President and CEO, to support the leadership transition, business continuity and critical talent acquisition efforts.

• GA Telesis (GAT) has promoted **Maylin Salgado** to the role of Vice President of ESG and Global Quality Systems. In continuing its focus towards a better future and long-term sustainability, GA Telesis strategically emphasises its ESG initiatives with a simple view of making the world a better place for all its inhabitants. The company is no stranger to ESG and has led the way, in its sector, with many of the relevant initiatives necessary for a successful ESG strategy implementation. Salgado's focus will be to promote sustainability internally and across the global industry. Salgado will develop, consolidate, operationalise and publicise GA Telesis' ESG strategies and initiatives through coordination with multiple internal teams and global business unit stakeholders, furthering the company's ongoing mission of promoting sustainability.



Marjan Rintel

• Air France-KLM's Board of Directors has approved the proposal of the Supervisory Board of KLM to appoint **Marjan Rintel** as new CEO of KLM, replacing **Pieter Elbers**. The Works Council of KLM has been asked for its advice on the above proposal. Rintel is currently CEO of NS, the leading passenger railway operator in the Netherlands. Before joining NS in 2014, she held various managerial, operational and commercial positions at KLM and Air France-KLM, such as Hub Operations at KLM and Senior Vice President Strategic Marketing at Air France-KLM. Her extensive experience in the airline industry, her intimate knowledge of the Group, and her leadership qualities, convinced the Board that she is the right person to continue the work started by **Pieter Elbers** to transform KLM into one of the European's leading airlines and a powerhouse for the Air France-KLM Group as a whole. Rintel will take office on July 1, 2022. Air France-KLM also announced that the Group's Board of Directors has decided an anticipated renewal of **Benjamin Smith's** mandate as Group's Chief Executive Officer, for an additional term of five years, i.e., until the General Meeting called to approve the financial statements for the year 2026, expected to take place in May 2027.



Beth O'Neill

• Gulfstream Aerospace has appointed **Beth O'Neill** as Regional Vice President of Sales for metropolitan New York. O'Neill replaces **Michael Swift**, who was recently promoted to Regional Senior Vice President of Sales for Europe, the Middle East, Africa and the Indian subcontinent. O'Neill comes to Gulfstream with more than 20 years of experience in aircraft financing, recently as Bank of America Merrill Lynch's Director of Corporate Aircraft Finance-Northeast. O'Neill will report to **Peter Vasconcelos**, Regional Senior Vice President of Sales for the Eastern United States and Canada and is based out of Gulfstream's Manhattan Sales and Design Centre.

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publications

AviTrader Publications Corp.  
Suite 305, South Tower  
5811 Cooney Road  
Richmond, BC  
Canada V6X 3M1

**Publisher**  
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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
A319-133	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	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
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
B737-800	BBAM	CFM56-7B24/3	34905	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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	33813	2004	Jul 2022	Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
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 (10x)	ALTAVAIR	GE90-115B		06-13	Q1/2022	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493

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## Regional Jet / Turboprop Aircraft

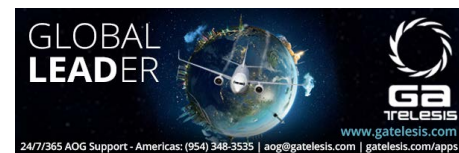
Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200	Regional One	CF34-3B1	7925	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7926	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+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	Now - Sale / Lease	DASI	Joe Hutchings	joe.hutchings@dasi.com	+ 1 954-478-7195
(1) CF34-10E5A1 Full QEC	Now - Sale / Lease				
(5) 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



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## 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@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				
(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				
(2) CFM56-5B6	Now - Sale / Lease				
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) CFM56-5B6/3	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
(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)	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
(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.				
(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
(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@ftaiairline.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, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) GTCIP331-500B	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules					
(2) GTCIP331-200ER, (2) GTCIP131-9A,	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) GTCIP131-9B					
(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
(2) A320, (1) A330, (1) A340 Landing Gear Shipsets		GA Telesis		landinggearsales@gatelesis.com	
(1) A320 ENH NLG					
Neutral CFM56-7B QEC Kit	Now - Sale	CFM Materials	Josef Noebauer	josef.noebauer@cfmmaterials.com	+1-214-988-6676
GTCIP131-9A (2), GTCIP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCIP331-200, GTCIP331-250	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) GTCIP131-9A	Now - Sale / Lease	Magellan Aviation Group	Drew Megorden	drew.megorden@magellangroup.net	+1 704-340-0273
(1) GTCIP131-9B, (1) GTCIP331-500B	Now - Sale / Lease				
(1) GTCIP131-9B, (1) GTCIP131-9A	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(1) GTCIP331-500B	Now - Sale/Lease/Exch.				
(2) GTCIP331-350, (2) APS2300	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
(1) APS3200, (1) GTCIP131-9B					
((1) GTCIP331-200ER, (2) RE220RJ	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 954-683-1893
(2) GTCIP36-150RJ					
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(3) GTCIP131-9A, (2) GTCIP131-9B		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(1) GTCIP331-350, (2) GTCIP331-500, (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 GTCIP131-9B	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