

Weekly Aviation Headline News

WORLD NEWS

Kenya Airways and Virgin Atlantic sign interline agreement.

Under the interline agreement, Kenya Airways will extend its reach in the US, the Caribbean, and Israel via London. Kenya Airways operations to London will connect with Virgin Atlantic-operated flights to Boston, Washington, Atlanta, Austin, Miami, Orlando, Las Vegas, Seattle, San Francisco, Los Angeles, Antigua, Barbados, The Bahamas, Jamaica, Grenada, and Tel Aviv, among others. The agreement further enables Virgin Atlantic passengers to book a through ticket to Nairobi and connections to Kenya Airways destinations across Africa including Tanzania, Uganda, Seychelles, Mauritius, Zambia, Zimbabwe, and Madagascar, among others.

NAC places two Embraer E190F with Astral Aviation

Nordic Aviation Capital (NAC) has agreed a memorandum of understanding to place the first two E190F passenger-to-freight conversions with Astral Aviation, based in Nairobi, Kenya. In May 2022, NAC and Embraer reached an agreement in principle to take up to 10 conversion slots for E190F/E195F, with first deliveries starting in 2024.

Satair acquires VAS Aero Services

Satair has acquired VAS Aero Services, through its American subsidiary, Satair USA, Inc. VAS will continue as a separate enterprise, with operational sites and offices in Boca Raton (FL), Kent (WA) and London (UK), expanding Satair's global footprint and aviation aftermarket service capabilities. The acquisition complements Satair's existing offerings through VAS' expertise in managing engine and multi-fleet Used Serviceable Material (USM) products, which will play a key role in Satair's strategic growth initiative in this segment.



Boeing and Aviation Capital Group announced order for 12 737-8 Jets.

Photo: Boeing

Farnborough sees steady flow of orders

With narrowbodies reinforcing market recovery

The aircraft manufacturers revealed several new and repeat orders at Farnborough last week, but it was the narrowbody and single aisle sector that stole the limelight, indicative of where the industry is seeing stronger market recovery following the COVID downturn.

Fresh from winning a staggering 293 A320 family aircraft orders from Chinese airlines earlier this month, Airbus saw additional orders at Farnborough from easyJet for 56 A320neo family aircraft. The agreement includes

an upsizing of 18 A320neo to the larger A321neo model. LATAM Airlines has ordered 17 A321neo aircraft to further expand their route offering, bringing the airline's

Delta topped up its A220s with an additional order for 12, bringing Delta's total firm order for A220s to 107 aircraft - 45 A220-100s and 62 A220-300s. The A220s will be

powered by Pratt & Whitney GTF engines.

While at Boeing, the 737MAX gained ground with orders coming in from both airlines and the leasing sector.

All Nippon Airways

(ANA) formalised an order for 20 737-8 aircraft and ANA is the first 737 MAX customer in Japan. To enable new low-cost carriers, US

“These additional 737 MAX aircraft will help position ACG's order book for a recovery in air traffic coming out of the pandemic.”

Mahoko Hara, Aviation Capital Group Executive Chair

total A320neo order book aircraft to 100. Additionally, the airline has also confirmed to bring in the A321XLR to complement their long-haul operations.

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You Fly. We Care.

E-Jet Component Support



...continued from page 1

investment firm 777 Partners committed for up to 66 737 MAX jets, including a firm order for 30 ultra-efficient, high-capacity 737-8-200s. 777 Partners has used the 737 MAX to launch several low-cost carriers around the world, rapidly building its portfolio to as many as 134 737 MAXs since 2021.

Aircraft lessor Aviation Capital Group (ACG) placed an order for 12 737-8s - to support narrowbody market demand as air travel continues to recover. "This latest incremental 737 MAX order allows ACG to offer highly fuel-efficient airplanes to our airline customers around the world," said Mahoko Hara, ACG

Executive Chair. "These additional 737 MAX aircraft will help position our order book for a recovery in air traffic coming out of the pandemic," Hara added.

Meanwhile, Qatar Airways turned to Boeing rather than Airbus as originally planned for its future narrowbody requirements, signing an order for 25 of the larger MAX 737-10s to serve its short- and medium-haul network, wrapping up a confident win for Boeing following the cancelled A321 order with Airbus.

Over at Embraer, a string of new orders came through with Porter Airlines placing a firm order for 20 Embraer E195-E2 jets, adding to

their existing 30 firm orders. Alaska Air Group ordered eight new E175 aircraft for operation with Horizon Air – this includes 13 options.

ATR reaffirmed its leadership on the regional aviation market securing new orders from Japan's ORC and Gabon's Afrijet, respectively selecting the ATR 42-600 and the ATR 72-600. ATR continues to enlarge its footprint in Japan as Feel Air is looking to operate a fleet of up to 36 ATR aircraft, and the manufacturer is also getting unswerving support from the leasing community, as newly formed lessor Abelo is to acquire 20 aircraft, including 10 ATR 42-600S – the Short Take-Off and Landing version.

AIRCRAFT & ENGINE NEWS

Lufthansa signs order for GE9X and GE90 engines to power cargo fleet

Lufthansa Group has announced an order for a combined total of 18 GE9X and GE90 engines to power its fleet of long-haul Boeing 777 freight aircraft. Lufthansa recently announced the purchase of GE9X-powered Boeing 777-8 Freighters and GE90-powered Boeing 777 Freighters to upgrade its cargo fleet. The engine order includes 14 GE9X engines and four GE90 engines. "We continue investing in more fuel-efficient, quieter and more economical aircraft and engines that emit significantly less CO₂," said Dorothea von Boxberg, CEO of Lufthansa Cargo. "This purchase of GE engines enables us to drive our fleet modernisation with premium products that enable increased operating efficiencies, as well as lower our fuel burn and reduce carbon emissions."

Air Lease Corporation selects Pratt & Whitney GTF™ engines to power up to 166 Airbus aircraft

Air Lease Corporation (ALC) has selected GTF engines to power 80 firm-ordered A320neo-family aircraft, as well as 76 firm-ordered and ten option GTF-powered A220 aircraft. This brings ALC's total to date to 222 firm orders and ten options for GTF-powered aircraft. "ALC is continuing to foster our fleet's growth in 2022 and beyond," said John Plueger, Chief Executive Officer, ALC. "We are pleased to add more GTF-powered aircraft to our fleet, which offer our customers world-class operating economics and dependability." ALC owns, manages and has on order more than 275 aircraft powered by Pratt & Whitney engines, including Airbus A220 and

Delta selects largest Boeing 737 MAX model, ordering 100 737-10s with options for 30 more jets



Delta Air Lines to modernise its single-aisle fleet with up to 130 Boeing 737 MAX jets

Photo: Boeing

Delta Air Lines will modernise its single-aisle fleet with the highly efficient 737 MAX to meet demand as well as its long-term sustainability goals. In a signing ceremony at the Farnborough International Airshow, Boeing and Delta Air Lines confirmed that the carrier is ordering 100 737 MAX 10 jets – selecting the largest member of the 737 MAX family – with options for an additional 30 airplanes. "The Boeing 737-10 will be an important addition to Delta's fleet as we shape a more sustainable future for air travel, with an elevated customer experience, improved fuel efficiency and best-in-class performance," said Ed Bastian, Delta's Chief Executive Officer. "These new aircraft provide superior operating economics and network flexibility, and the agreement reflects our prudent approach to deploying our capital." The 737 MAX 10 will provide Delta Air Lines with the best per-seat economics of any single-aisle Boeing model, reducing fuel use and emissions by 20-30% compared to the airplanes it replaces. The jet can cover 99% of single-aisle routes around the world, seating up to 230 passengers with a maximum range of 3,300 nautical miles.

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

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A320neo families with GTF engines, Airbus A320ceo-family aircraft with V2500® engines and Airbus A330-family aircraft with PW4000 engines. ALC serves over 110 customers in approximately 70 countries with dynamic fleet solutions.

Japan's Feel Air to order up to 36 ATR aircraft

Aircraft manufacturer ATR has signed a Letter of Intent (LoI) for up to 36 aircraft with Feel Air Holdings at the Farnborough Air Show. Feel Air is a new Japanese regional airline holding company created with the purpose of revitalising Japan's regions. Feel Air will use its unique franchise business structure to gradually establish a family of regional airlines that will cover different areas within Japan. Feel Air has chosen ATR aircraft for its excellent performance as a route opener. The airline intends to establish new regional connections throughout the Japanese archipelago, which has close to 100 airports in operation. Its aim is to improve inter- and intra-regional mobility as never before, creating a sustainable flow of people and goods and contributing to local economies in an affordable and responsible way.

Ampaire secures firm order for five of its low-emission, nine-seat Eco Caravan aircraft

Electric aviation pioneer Ampaire has secured a firm order backed by deposits for five of its low-emission, nine-seat Eco Caravan aircraft, plus an option for an additional 20. The buyer is WingTips, an innovative air mobility company operating today in California, Arizona, and

Aergo Capital delivers one A320-200 to Batik Air Indonesia



Batik Air has taken delivery of one Airbus A320-200 from Aergo Capital
Photo: Aergo Capital

as an off-lease asset from another Ireland-based Lessor. Aergo Capital subsequently placed the aircraft on lease with Batik Air Indonesia.

Aergo Capital (Aergo) has delivered one Airbus A320-200 aircraft bearing manufacturer serial number 4457, to Batik Air Indonesia, a member of Lion Air Group. This makes for the second Lion Air Group delivery in the space of two weeks for Aergo Capital. The aircraft was formerly operated by an Asian based airline and was acquired by Aergo Capital

AerCap Cargo signs lease agreements for six 737-800BCFs with GOL

AerCap Holdings has signed lease agreements with GOL for the lease of six 737-800 Boeing Converted Freighter (BCF) aircraft, three of which are scheduled to deliver to GOL in 2022, with the remaining three delivering in 2023. The six 737-800BCFs, passenger-to-freighter aircraft, will be operated for a Latin-American e-commerce company, as part of the growth strategy and logistics solution of GOLLOG, GOL's Logistics Business Unit and will be based in Brazil, flying to destinations across South America.



Photo: GOL has signed lease agreements for six 737-800BCFs with AerCap Cargo

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ARIZONA - NEW MEXICO



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AIRCRAFT & ENGINE NEWS

Nevada. Both companies anticipate another 175 orders for the Eco Caravan as WingTips expands nationwide, plus 50 of Ampaire's follow-on 19-seat Eco Otter aircraft. WingTips plans to use these new aircraft on regional routes of 100 to 400 statute miles, flying mainly from convenient general aviation airports. The company uses artificial intelligence to offer individual seats to on-demand charter passengers, and advanced floating fleet algorithms to optimize fleet usage. The company also plans to offer scheduled service on higher-volume routes. The Eco Caravan is Ampaire's first commercial product. It is a Cessna Grand Caravan upgraded with a hybrid-electric propulsion system that retains the range and payload characteristics of the current Grand Caravan. The Eco Caravan can carry up to eleven passengers or 2,500 pounds of cargo. The aircraft uses 70% less fuel on short trips and 50% less on longer trips with corresponding emissions reductions. When using sustainable aviation fuel (SAF), emissions reduction is nearly 100%. Total operating cost reduction ranges from 25 to 40%, depending on route structure. The aircraft can operate independently of ground charging infrastructure by recharging the batteries in-flight when desired, as with hybrid-electric cars today. Ampaire conducted the first Eco Caravan engine runs with a preliminary drivetrain configuration in April 2022, with plans to fly the aircraft in the second half of the year. The company is working with the FAA to achieve supplemental type certificate approval in 2024.

Nordic Aviation Capital signs inaugural deal with Akkodis for ATR 72-600 passenger-to-freighter conversion kits

Regional aircraft leasing company Nordic Aviation Capital (NAC) and Akkodis have signed an agreement for five freighter conversion kits for the ATR 72-600, with the first deliveries starting from as early as Q1 2023. The aircraft for conversion will come from NAC's existing ATR fleet. The ATR 72-600 conversion kits have the flexibility to be converted back to ATR 72-500 conversion kits and thus are suitable for application across NAC's entire fleet of ATR 72s. Akkodis holds an STC (Supplemental Type Certificate) for cargo conversion on ATR legacy aircraft, with more than 70 converted aircraft flying around the world, each offering 75.5 m³ of cargo volume and carrying over eight tonnes of freight. The integration of the freighter modification onto the ATR-600's new avionics suite (NAS) presented a challenge. Nevertheless, Akkodis engineering experts identified a solution to enable them to extend the certification to the next generation of ATR aircraft.

Delta Air Lines boosts Airbus A220 aircraft order



Delta boosts its A220 order with Airbus to include 12 more A220-300s

Photo: Airbus

Delta Air Lines has firmed up orders for 12 more Airbus A220-300 aircraft, bringing Delta's total firm order for A220s to 107 aircraft – 45 A220-100s and 62 A220-300s. The A220s will be powered by Pratt & Whitney GTF™ engines. Delta took delivery of its first Airbus A220 in October 2018 and was the first U.S. carrier to operate the aircraft type. As at the end of June 2022, Delta was operating a fleet of 388 Airbus aircraft, including 56 A220 aircraft, 249 A320-family aircraft, 57 A330s and 26 A350-900 aircraft.

Airbus and CFM International launch flight test demonstrator for advanced open fan architecture



A380 flight test demonstrator

Photo: Airbus

Airbus and CFM International, a 50/50 joint company between GE and Safran Aircraft Engines, are collaborating to flight test CFM's cutting-edge open fan engine architecture. The Flight Test Demonstrator aims to mature and accelerate the development of advanced propulsion technologies, as part of CFM's Revolutionary Innovation for Sustainable Engine (RISE) demonstration programme, on board an Airbus A380. The flight test campaign will be performed in the second half of this decade from the Airbus Flight Test facility in Toulouse, France. Ahead of the A380 test flights, CFM will perform engine ground tests, along with flight test validation at GE Aviation's Flight Test Operations centre in Victorville, CA, U.S.A. The flight test programme will achieve several objectives that could contribute to future engine and aircraft efficiency improvements, including: enhanced understanding of engine/wing integration and aerodynamic performance as well as propulsive system efficiency gains; validating performance benefits, including better fuel efficiency that would provide a 20% reduction in CO₂ emissions compared to today's most efficient engines; evaluating acoustic models; and ensuring compatibility with 100% Sustainable Aviation Fuels (SAF).

AIRCRAFT & ENGINE NEWS

777 Partners expands 737 MAX fleet with order for up to 66 more jets

Boeing and 777 Partners have announced a new order and commitment for up to 66 737 MAX jets, including a firm order for 30 ultra-efficient, high-capacity 737-8-200s. This is the U.S. investment firm's fifth order for the jet, rapidly building its portfolio to as many as 134 737 MAXs since 2021. The two companies announced the order with a signing ceremony at the Farnborough International Airshow. 777 Partners has used the 737 MAX to launch a number of low-cost carriers around the world, with more to follow. Currently, its investments include Flair Airlines, Canada's only independent ultra-low-cost carrier and Bonza Airline, an Australian start-up that will launch operations this year. The investment firm has earmarked the 737-8-200, which accommodates more than 200 passengers, to grow operations by increasing revenue potential while reducing carbon emissions, fuel consumption and operating costs.

Aircompany Armenia and partner company Georgian Airlines order three 737-800BCFs

Aircompany Armenia and its partner company Georgian Airlines, have ordered three 737-800 Boeing Converted Freighters (BCFs) as part of the group's plan to add more dedicated cargo airplanes to its operations in the Caucasus region. The first 737-800BCF on order will be delivered next year, with deliveries continuing into 2024. The converted freighters will be operated by Georgian Airlines, which already operates one 737-800BCF. The 737-800s will be modified at Guangzhou Aircraft Maintenance Engineering Company (GAMECO) and at Taikoo (Shandong) Aircraft Engineering Co. (STAECO) in China.

Rex and Dovetail forge partnership to pioneer aircraft electric propulsion conversion

Rex and Australian-headquartered Dovetail Electric Aviation (Dovetail) have announced the formation of a strategic partnership to pioneer the conversion of turbine-powered aircraft to electric, nil-emission propulsion. The partnership, which will operate under the Dovetail brand, will develop and certify the retrofitting of electric engines onto legacy aircraft, initially for regional and general aviation aircraft. Dovetail was formed in 2021 by Sydney Aviation Holdings, owners of Sydney Seaplanes and Dante Aeronautical, a start-up pioneering disruptive electric aviation concepts with a presence both in Spain and

Embraer receives new orders from Porter Airlines and Alaska Airlines



Porter Airlines has placed a firm order for 20 Embraer E195-E2 passenger jets
Photo: Embraer

Porter Airlines has placed a firm order for 20 Embraer E195-E2 passenger jets, adding to its existing 30 firm orders. Porter will use the E195-E2 to extend its service to destinations throughout North America. The deal, with a list price value of US\$1.56 billion, brings Porter's

orders with Embraer to a total of up to 100 E195-E2 aircraft, with 50 firm commitments and 50 purchase rights. In 2021, Porter ordered 30 Embraer E195-E2 jets, with purchase rights for a further 50 aircraft, worth US\$5.82 billion at list price with all options exercised. Furthermore, Alaska Airlines Group announced plans to grow its regional fleet with an order of eight new additional E175 jets and options for 13 more. The E175 aircraft will fly exclusively for Alaska Airlines under a capacity purchase agreement (CPA) with Horizon Air. The value of the contract, including options, is USD \$1.12 billion based on list price. Horizon's new 76-seat aircraft from this order will be delivered in Alaska's livery and three-class configuration over the next four years starting in Q2 2023. (£1.00 = US\$1.20 at time of publication).

Ascendance Flight Technologies signs first letters of intent for hybrid-electric VTOL Atea



Photo: Ascendance Flight Technologies has received first orders for the Atea, a five-seat hybrid-electric vertical take-off and landing aircraft

Ascendance Flight Technologies, the French start-up specialising in low-carbon aviation, has opened its order book. It has received its first purchase intentions from operators in the U.S., Asia and Europe for a total of 245 units of the Atea, its five-seat hybrid-electric vertical take-off and landing aircraft. These letters of intent (LOIs) confirm the sector's interest in the hybrid technology, endurance and versatility of the aircraft. Atea is a low-carbon alternative to the helicopter, intended for regional use and will go into production in 2025. Hybrid-electric technology and distributed propulsion: for Ascendance Flight Technologies, these technical choices are the safest and fastest solution to move towards a new, cleaner and more sustainable air mobility. They are the centrepiece to its strategy and the development of its high-performance solutions dedicated to a new generation of aviation: Atea, a multi-use hybrid-electric aircraft and Sterna, its patented modular hybrid propulsion system. With its focus on decentralized aviation or decarbonization of existing aircraft, Ascendance anticipates and develops agile solutions that will impact the future of mobility. Since its founding in 2018, the young company has steadily and rigorously met several key milestones of its ambitious development schedule.

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Australia. John Sharp, Deputy Chairman of Rex Airlines, said: "Rex is both proud and excited to be at the forefront of developments in sustainable regional aviation and helping our national efforts in achieving the target of net-zero emissions by 2050. "We are delighted to partner with Sydney Seaplanes and Dante Aeronautical in Dovetail Electric Aviation and to lend our aviation and engineering expertise to advance its progress, while also accelerating Rex's journey to a zero-emissions future." The conversion of turbine aircraft to electric propulsion promises to bring zero-emissions aviation into the mainstream much faster and more cost effectively than via newly commissioned electrical planes. Dovetail expects to achieve certification for converted aircraft within four years, compared with more than eight to ten years for clean sheet electric aircraft, and at a fraction of the certification costs. Aircraft will be converted using MagniX engines for which Dovetail is the exclusive distributor in Australia, New Zealand, the South Pacific and Mediterranean Europe. Converted aircraft will be 30-40% quieter than its donor planes and will enjoy reduced operating costs of around 40%. Dovetail will certify the entire propulsion system of an aircraft by integrating the electric motor, battery packs and hydrogen fuel cells into one 'drive-train' on an existing airframe. In doing so, it will generate unique IP in conversion engineering, testing technology and power plant machine learning to optimise powerplant performance.

BBAM orders nine more 737-800 BCF

Lessor BBAM Limited Partnership (BBAM) is growing its 737-800 Boeing Converted Freighter (BCF) fleet with a firm order for nine more 737-800BCFs. The agreement brings BBAM's 737-800BCF orders to 40 as strong demand for the single-aisle freighter continues. BBAM will be the first customer to take delivery of a 737-800BCF conversion at a new conversion line set to open next year at KF Aerospace, an MRO provider in Kelowna, British Columbia. Last year, Boeing announced it would open two 737-800BCF conversion lines at KF Aerospace beginning in 2023.

Collins Aerospace produces first prototype 500kW electric motor for Hybrid Air Vehicles' Airlander 10 aircraft

Collins Aerospace has produced the first working prototype of its 500-kilowatt electric motor suitable for the Airlander 10 aircraft under a partnership with Hybrid Air Vehicles and the University of Nottingham. Collins

Airbus UpNext to perform hydrogen-powered flight with new flying testbed



Blue Condor demonstrator

Photo: Airbus

Airbus UpNext, a wholly owned subsidiary of Airbus, has revealed a flight test programme to study the contrails produced by a hydrogen combustion engine as part of the company's ZEROe roadmap. The project, named "Blue Condor", will launch two modified Arcus gliders, one equipped with a hydrogen combustion engine and one equipped with a conventional kerosene-powered combustion engine, in order to compare contrails emitted at high altitudes. "Contrail characterisation is of significant interest to Airbus. We know that hydrogen emits no carbon dioxide when burned, but we also know that with water vapour and heat being the most significant by-products, hydrogen combustion does produce contrails. Although these contrails differ significantly to those produced by conventional JetA/A1 combustion engines, understanding their composition will be key to support our decarbonisation journey," said Sandra Bour Schaeffer, CEO of Airbus UpNext. "In taking up this challenge we are making significant headway in our decarbonisation strategy and our ambition to bring the world's first zero-emission commercial aircraft into service by 2035." The Blue Condor demonstrator will be supported by the Perlan Project team, which will be responsible for the modification of the Arcus gliders. They will also provide the high-altitude glider pilots, the same pilots who in 2018 set the world subsonic altitude record – 76,124 feet – in a pressurised glider for Airbus Perlan Mission II. The German Research Centre DLR will collect and analyse data captured using its measurement instrumentation sensors on a chase aircraft, while Airbus will ensure the provision of the hydrogen system and equipment, including the combustion engine as well as the details of the flight test mission. To ensure 100% comparable data between the hydrogen and conventional engine, the test flights will be carried out back-to-back under the same meteorological conditions. Test flights are scheduled for late 2022 in North Dakota, U.S.A., in collaboration with the University of North Dakota.

Azerbaijan Airlines signs MoU to purchase four more Boeing 787s



Azerbaijan Airlines to expand its Boeing 787 Dreamliner fleet
Photo: Boeing

Boeing and Azerbaijan Airlines have signed a Memorandum of Understanding (MoU) for four additional fuel-efficient 787-8s at the Farnborough International Airshow. The Azerbaijan flag-carrier currently operates two 787-8s, with this latest announcement the airline intends to grow its Dreamliner fleet to ten by 2030, enabling it to open new routes across Central Asia. One of the largest carriers in the Caspian region and Central Asia, Baku-based Azerbaijan Airlines currently operates two 787-8 Dreamliners as well as a fleet of 757, 767 and 777 airplanes.

AIRCRAFT & ENGINE NEWS

has begun basic characterisation testing of the motor at the University of Nottingham. For the 2,000 RPM permanent magnet electric motor, Collins is targeting specific power density levels of nine-kilowatts per kilogram and 98% efficiency through the use of a novel motor topology and composite construction. Collins is designing the motor at its Electronic Controls and Motor Systems Centre of Excellence in Solihull, UK, where it's also developing its one-megawatt electric motor and motor controller for the Pratt & Whitney Canada (P&WC) regional hybrid-electric flight demonstrator. The two motors are part of Collins' technology roadmap for the development of a family of electric motors that can be scaled up or down to meet the needs of various hybrid-electric and all-electric applications across multiple aircraft segments. Airlander 10 is scheduled to begin hybrid-electric operation in 2026, followed by all-electric, zero-emission operation in 2030. To achieve this, the aircraft's four fuel-burning engines will be replaced by Collins' 500-kilowatt electric motors—beginning with the two forward engines in 2026 and the two rear engines in 2030.

Saltchuk Aviation orders up to four additional 767-300 Boeing Converted Freighters

Saltchuk Aviation has placed an order for up to four more 767-300 Boeing Converted Freighters (BCFs). The deal includes three firm orders and one option for the efficient medium, wide-body freighter. "We continue to see long-term air cargo trends that support fleet growth in the markets served by our three air cargo brands, and are excited to expand our partnership with Boeing," said Betsy Seaton, President and CEO, Saltchuk Aviation. "Converting these 767-300ERs will bring highly reliable capacity to our network, and backed by Boeing's OEM expertise, we expect these freighters to operate in our fleet for the next 15-20 years. Saltchuk Aviation is most widely known for its three cargo operating brands: Aloha Air Cargo, Northern Air Cargo and StratAir. The family of companies provide services to Hawaii and Alaska, as well as destinations throughout North America, Central America, the Caribbean and South America. Saltchuk Aviation placed its first order with Boeing for four 767-300BCFs in early 2021. The first 767-300BCF, as part of the initial deal, was delivered to the carrier earlier this month. Saltchuk Aviation's carriers have operated Boeing 767 converted freighters alongside 737 freighters since 2016.

LATAM Airlines reinforces fleet with additional order for 17 A321neos

LATAM Airlines has ordered 17 A321neo aircraft to further expand its route offering, bringing the airline's total A320neo order book of aircraft to 100. Additionally, the airline has also confirmed it is bringing in the A321XLR to complement its long-haul operations. The A321neo is the largest member of Airbus' A320neo family, which incorporates new-generation engines and



LATAM A321XLR A321neo aircraft

Photo: Airbus

Sharklets, delivering more than 20% fuel and CO2 savings, as well as a 50% noise reduction. The A321XLR version provides a further range extension to 4,700nm, giving the aircraft a flight time of up to 11 hours. Last month, the A321XLR took to the skies for the first time, accomplishing its first test flight successfully.

VoltAero selects Safran's ENGINEUS™ 100 electric motor to equip the Cassio 330 electric-hybrid aircraft prototype



Photo: VoltAero Cassio 330 aircraft

VoltAero's prototype Cassio 330 will utilise Safran Electrical & Power's ENGINEUSTM 100 smart electric motor in the aircraft's parallel electric-hybrid propulsion system, with the agreement for its supply signed at the UK's Farnborough International Airshow. The ENGINEUSTM 100 will have a maximum rating of well above 150kW at take-off and is to be integrated along with a 150-kW thermal engine in VoltAero's proprietary hybrid propulsion unit on the Cassio 330. Features of the ENGINEUSTM 100 include an integrated motor controller and an optimized air-cooling system for thermal management. Under terms of the agreement, Safran Electrical & Power will deliver an ENGINEUSTM 100 motor before year-end for ground-based endurance testing of the electric-hybrid propulsion system. The supply of a flight-qualified ENGINEUSTM 100 will follow in 2023, enabling the startup of flight testing with the Cassio 330 prototype. Certification of the electric motor is scheduled for mid-2023. VoltAero will produce Cassio airplanes in three versions, each sharing a high degree of modularity and commonality. First to be certified is the Cassio 330, with a capacity of four/five seats and powered by the 330-kW electric-hybrid propulsion system. The follow-on six-seat Cassio 480 will have a combined electric-hybrid propulsion power of 480kW while the Cassio 600 is sized at a 10/12-seat capacity with electric-hybrid propulsion power of 600kWs.

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AIRCRAFT & ENGINE NEWS

easyJet confirms order for 56 more A320neo-family aircraft

easyJet has confirmed a firm order for 56 A320neo-family aircraft following shareholder approval. The order is part of easyJet's fleet renewal and up-gauging, cost and sustainability enhancements to the business. The agreement includes an upsizing of 18 A320neos to the larger A321neo model. Kenton Jarvis, CFO for easyJet, said: "We believe this order will support positive returns for the business and the delivery of our strategic objectives. The new aircraft are aligned with easyJet's sustainability strategy, with the adoption of the more efficient new technology aircraft being a core component of easyJet's path to net zero emissions. Alongside this, the new aircraft are significantly quieter, with half the noise footprint of the older aircraft they are replacing."



easyJet has signed a firm order for 56 A320neo-family aircraft

Photo: Airbus

TrueAero delivers second of two A330-200s to Aerolineas Argentinas



Photo: Aerolineas Argentinas has taken delivery of a second A330-200 from TrueAero

TrueAero has announced the delivery of a second Airbus A330-200 equipped with two CF6-80E engines to Aerolineas Argentinas, MSN 899. The first A330-200, MSN 877 was delivered in April 2022. Karl Drusch, CEO of TrueAero said, "We are pleased to expand our relationship with Aerolineas Argentinas with the delivery of this second Airbus A330-200. I want to thank the team at Aerolineas Argentinas for entrusting TrueAero with the delivery of these two A330-200s and we look forward to continuing to contribute to their success".

Helity and Lilium to bring eVTOL jet mobility to Southern Spain

Spain-based Helity Copter Airlines (Helity) has signed an agreement with Lilium N.V. (Lilium) for the development of an electric vertical take-off and landing (eVTOL) network in Andalusia, southern Spain. The agreement will see Helity initially acquire five Lilium Jets which it will use to provide its customers with premium- and business-level charter flights between Ceuta, a Spanish-controlled enclave on the very northern tip of Morocco, Africa, and Algeciras, and Málaga located on the southern Spanish coast, along with charter flights in southern Spain. In the history of Helity the company has flown over 300,000 customers and with its range of 250 km and premium cabin, the Lilium Jet is perfectly suited to its customers. Antonio Barranco, CEO and owner of Helity said: "With its zero operating emission and low noise profile, the Lilium Jet is a great addition to our existing helicopter fleet. Thanks to the large and spacious cabin, the aircraft is very well-suited to address the premium and business traffic in the region. I have no doubt that in the medium-term it will revolutionise the concept of short-range commercial and business aviation". Daniel Wiegand, CEO of Lilium said: "Southern Spain attracts a high demand of premium tourism. Combined with Helity's great local expertise and experience in the operation of helicopters, as well as the hiring of highly skilled pilots, we have ideal conditions for the development of a sustainable air mobility network in the region". Currently, Lilium is conducting flight tests with its fifth-generation technology demonstrator at the ATLAS Flight Test Center in Villacarrillo (Jaen), Spain, while the intended arrangement between Helity and Lilium is subject to the parties finalising commercial terms and entering into definitive agreements with respect thereto, and the satisfaction of certain conditions.



Photo: Lilium jet

MRO & PRODUCTION NEWS

Boeing and GAMECO sign first comprehensive materials management agreement in China

Boeing and Guangzhou Aircraft Maintenance Engineering Co. (GAMECO) have signed a five-year Integrated Materials Management (IMM) programme contract. The agreement marks the first time Boeing will provide a comprehensive materials management solution in mainland China. Boeing's new five-year programme will provide demand planning, on-site personnel, and logistics services to support GAMECO's operations to optimise materials purchase and inventory costs and also improve production service levels. This contract further expands the partnership between Boeing and GAMECO, who have worked together on passenger-to-freighter conversions for standard and wide-body aircraft, including the 737-800 Boeing Converted-Freighter (BCF) and 767-300BCF lines as well as 777/737 landing gear overhaul. GAMECO's performance has helped Boeing improve and expand conversion services to customers worldwide. In addition, the cooperation has helped GAMECO strengthen its maintenance capabilities and achieve strategic priorities.

Rolls-Royce and British airline flypop sign TotalCare agreement

Rolls-Royce and new British low-cost airline flypop have signed a TotalCare® service agreement for Rolls-Royce Trent 700 engines that will power four Airbus A330ceo aircraft. The agreement is the first to be signed between Rolls-Royce and flypop and will provide the airline with predictability and reliability for the services and maintenance of the fleet. As Rolls-Royce's flagship service offering, TotalCare covers off-wing repair and overhaul and is designed to provide operational certainty for customers by transferring time on wing and maintenance cost risk back to Rolls-Royce. It will also deliver enhanced aircraft availability thanks to Rolls-Royce's in-depth engine knowledge that draws on its advanced engine health monitoring.

Pratt & Whitney to open India engineering centre in 2023

Pratt & Whitney has announced the establishment of a state-of-the-art India Engineering Centre (IEC) in Bengaluru, India which is slated to commence operation in January 2023. The new centre will focus on providing contract engineering services. The IEC is expected to employ 500 engineers and professionals when fully staffed. As part of Pratt & Whitney's integrated global engineering

AIRCRAFT & ENGINE NEWS

AerCap announces purchase of five additional 787 Dreamliners at Farnborough Airshow

Dublin, Ireland-based AerCap Holdings N.V. has announced at the Farnborough International Airshow that it has ordered five additional Boeing 787-9 Dreamliners, bringing the global leasing agent's total orders to 125 of the 787 that are owned or on order. Peter Anderson, Chief Commercial Officer of AerCap, said, "AerCap is the world's largest



Photo: AerCap and Boeing have signed orders for five Boeing Dreamliners at the Farnborough Airshow

787 customer and we are very pleased to strengthen that position with this order for five additional aircraft. This transaction is in line with our portfolio strategy of investing in the most in-demand new technology assets and will help us continue to support our airline customers meet their sustainability commitments." "AerCap oversees a world-class leasing portfolio, epitomized by the most utilized widebody in the industry, the 787 Dreamliner," said Ihsane Mounir, Boeing Senior Vice President of Commercial Sales and Marketing. "With its unparalleled fuel efficiency and passenger appeal, the 787 Dreamliner family is playing a major role in sustaining, reopening and pioneering new routes in the long-haul travel market."

New lessor Abelo firms up on orders for 20 ATR turboprops at Farnborough Airshow



(l) Stefano Bortoli, CEO ATR and (r) Steve Gorman, CEO of Abelo at the Farnborough Airshow
Photo: ATR

Newly formed Dublin, Ireland-based lessor Abelo has signed Heads of Agreement with ATR for ten brand-new ATR 72-600s. First deliveries of the ATR 72-600 are due to start in 2023. In addition, Abelo also confirmed a previous order for ten brand-new ATR 42-600Ss turboprop aircraft, this model being the Short Take-off and Landing, or STOL, variant. The order for the ATR 42-600Ss was originally placed

by Elix Aviation back in 2019. However, in June this year new, fully fledged lessor Abelo was formed through the merger of Elix Aviation together with its 65-strong turboprop portfolio with ADARE Aviation Capital. Abelo is owned by funds managed by Oaktree Capital Management, L.P. ("Oaktree"), which initiated the merger to enable further investment in the regional turboprop sector. ATR has issued a new market forecast in which it predicts strong demand, worldwide, for turboprop aircraft over the next 20 years. Steve Gorman, Chief Executive Officer of Abelo, said: "We firmly believe that turboprops are the technology of today and tomorrow and this is why we are investing in the ATR platform. This new deal is further proof of our commitment to create growth and value for regional operators, providing them with the most modern, profitable and sustainable aircraft on the market." Stefano Bortoli, ATR Chief Executive Officer, commented: "Abelo is a perfect partner for ATR and a force to be reckoned with in the regional aviation market. With today's order for 20 aircraft, they demonstrate their long-term confidence in our product family and shine a light on the many opportunities that exist for operators across the globe."

MRO & PRODUCTION NEWS

operations, the IEC will work closely with centres in the United States, Canada, Puerto Rico and Poland. The IEC has begun recruiting its first tranche of engineers and professionals. The centre will be co-located in Yelahanka, Bengaluru, with the existing Pratt & Whitney India Capability Centre (ICC). The ICC is a world-class global supply chain support and operations centre, established in 2022 as part of United Technologies Corporation India Pvt Ltd (UTC IPL), employing nearly 200 staff.

Collins Aerospace completes preliminary design of one-MW electric motor for P&W Canada's regional hybrid-electric flight demonstrator

Collins Aerospace has completed a preliminary design review of the one-megawatt electric motor and motor controller it's developing for Pratt & Whitney Canada's (P&WC) regional hybrid-electric flight demonstrator. Collins has tested both systems to full current, voltage and speed and plans to send prototypes to P&WC for ground testing later this year. Flight testing of the demonstrator is planned to begin in 2024 and will take place in Montreal. Collins' motor features industry-leading power density and efficiency. The company is developing the systems at its facility in Solihull, United Kingdom, and testing them at the University of Nottingham's Institute for Aerospace Technology. Collins plans to conduct future testing of the motor and motor controller at The Grid, the state-of-the-art 25,000-ft² electric power systems lab it's standing up at its facility in Rockford, Illinois. The Grid is expected to be fully operational in 2023.

ANA and Satair sign long-term agreement for multi-fleet IMS solution



Photo: Satair

Satair, an Airbus Services company and All Nippon Airways (ANA), Japan's largest airline, have signed an agreement under which Satair will expand its Integrated Material Services (IMS) solution to deliver expendable material used on ANA's non-Airbus fleet. In addition, the agreement extends the existing long-term IMS contract for ANA's A320 and A380 fleet for a multi-year period. Satair is the exclusive supplier of expendable material to ANA and has delivered Integrated Material Services for the airline's A320 fleet since 2017 and A380 fleet since 2019. With this new agreement, ANA becomes the first customer to use Satair's IMS solution on a multi-fleet scale.

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MRO & PRODUCTION NEWS

AJW Group signs power-by-the-hour contract with JetSMART Airlines SpA

AJW Group has announced the signing of a ten-year power-by-the-hour (PBH) support contract with South American ultra-low-cost carrier JetSMART Airlines SpA (JetSMART). The airline, created by Indigo Partners in 2017, also controls U.S. airline Frontier Airlines, Mexico's Volaris, Hungarian airline Wizz Air, Canadian airline Lynx Air and Philippine airline Cebu Pacific. The support contract, which went live on July 1, will see AJW Group use its industry-leading expertise to manage the complete supply, repair and overhaul of components for the operator's rapidly expanding fleet of A320ceo and A320neo aircraft at JetSMART's primary base of operations in Santiago, Chile. AJW will support with inventory from all strategic European and North American hubs as well as supplying dedicated on-site inventory in Chile, Peru and Argentina to support dispatch reliability.

Korea Aerospace Industries signs parts supply contract with Incora

Korean Aerospace Industries (KAI) signed a parts supply contract with Incora on July 18 at the Farnborough International Airshow. The three-year contract is to support both KAI military programmes and commercial aerostructures work. Incora is an established supplier to KAI of just-in-time supply chain services of C-class parts and the new contract is to supply the KAI KUH-1, LAH and KAI's commercial aerostructures work. Incora has built a strong presence in the Korean aerospace sector both with OEM Tier 1 and 2 airframe and engine suppliers and in the MRO sector for customers including Korean Air. Incora has major facilities in China, Japan, Singapore, Malaysia and Australia, enabling APAC customers to be supported efficiently through product availability.

ST Engineering secures Boeing 787 component MBH™ agreement to support Turkish Airlines

ST Engineering's commercial aerospace business has signed a Component Maintenance-By-the-Hour (MBH™) agreement with Turkish Technic, the MRO arm of Turkish Airlines group of companies, serving airlines worldwide. Under the multi-year agreement, ST Engineering will provide component support to Turkish Airlines' fleet of Boeing 787 aircraft starting from August this year. The comprehensive and customised services

Boom Supersonic (Boom) and Collins Aerospace sign expanded agreement for major aircraft systems for Overture



Overture

Photo: Boom Supersonic

Boom, the company building the world's fastest airliner, optimised for speed, safety and sustainability, has signed an agreement with Collins Aerospace on the Overture programme at the Farnborough International Airshow. Carrying 65–80 passengers at twice the speed of today's airliners and running on 100% sustainable aviation fuel (SAF), Overture will fly Mach 1.7 over water with a range of 4,250 nautical miles. Under the new agreement between the two companies, Collins will assist Boom in the evaluation and development of major aircraft systems and components for Overture. Engineers at Collins and Boom will perform aerodynamic analysis to evaluate Overture's Ice Protection System, the system that prevents the formation of ice on the aircraft during flight. Boom will also work with Collins Aerospace to assess Air Data System architectures that meet Overture's field performance and range requirements. The expanded joint effort with Collins Aerospace builds upon several years of successful collaboration aimed at improving propulsion system performance and minimizing aircraft noise on Overture. Collins Aerospace and Boom have worked together to develop inlet, nozzle and exhaust system technologies to facilitate the net-zero carbon operation of Overture.

SR Technics and Vietravel Airlines sign agreement for engine maintenance



Photo: Contract signing between Vietravel Airlines and SR Technics

MRO service provider SR Technics and Vietravel Airlines, the first travel airline in Vietnam, have signed two General Terms Agreements (GTAs) at the Farnborough Airshow. One GTA is intended for CFM56-5B engine maintenance and another for engine lease support. Vietravel Airlines, based in Ho Chi Minh City, currently operates three A321-200 aircraft with CFM56-5B engines and plans to grow to 25 aircraft in the next four years. The first scheduled engine shop visit is expected in the next year.



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MRO & PRODUCTION NEWS

include component repair management with a dedicated consignment stock in Istanbul. ST Engineering will also make available a regional component pool to support Turkish Airlines. In addition, this new agreement includes reciprocal repair work with Turkish Technic.

Korean Air, GE sign five-year GE90 materials service agreement

Korean Air has signed a five-year TrueChoice™ material service agreement with GE for spare parts, component repair and used serviceable part upgrades for GE90-115B engines. Korean Air, a major global airline serving 120 cities in 43 countries, operates a fleet of 154 of the latest Boeing and Airbus aircraft, including the GE90-powered Boeing 777. The TrueChoice suite of engine maintenance offerings incorporate an array of GE capabilities and customisation across an engine's lifecycle. TrueChoice Material offers high-quality new and used OEM parts, advanced repairs and technology upgrades to enhance engine performance and support higher engine residual value. All TrueChoice offerings are underpinned by GE's data and analytic capabilities and experience to help reduce maintenance burden and service disruptions for customers.

MRO & PRODUCTION NEWS

Flynas selects Safran's wheels and carbon brakes on Airbus A320 fleet



Flynas Airbus A320neo

Photo: AirTeamImages

As part of this long-term agreement, which is an extension of a partnership of more than ten years, Safran Landing Systems will supply Flynas, the Saudi air carrier and a leading low-cost airline in the Middle East, with the wheels, brakes, and carbon heat sinks to equip its Airbus A320neo fleet. Safran Landing Systems brakes designed for the Airbus A320neo family provide unequalled performance in terms of efficiency, weight and endurance, thanks to the new SepCarb®IV carbon material and Anoxy®66 oxidation protection systems, which offer ever longer service life and greater reliability. Besides, its optimized weight contributes to the reduction of operators' fuel consumption and therefore CO2 emissions. Flynas recently announced that the company's Board of Directors had agreed to increase the volume of new orders for aircraft to 250 aircraft, with which Flynas aims to become the first low-cost airline in the Persian Gulf to enable the Kingdom of Saudi Arabia to reach its goal of 100 million annual tourists by 2030.

FINANCIAL NEWS

American Airlines reports second-quarter net income of US\$476 million

American Airlines Group has released its second-quarter 2022 financial results. American produced revenues of US\$13.4 billion in the second quarter, a 12.2% increase versus 2019 and a record for any quarter in company history. This record revenue was achieved while flying 8.5% less capacity than the same period in 2019 and there remains significant revenue potential going forward to the extent business and international travel improve further. The company posted second-quarter net income of US\$476 million. Excluding net special items, second-quarter net income was US\$533 million. American ended the second quarter with US\$15.6 billion of total available liquidity. Total debt reduction continues to be a top priority and the company remains on track to reduce overall debt levels by US\$15 billion by the end of 2025. In the second quarter, the company made US\$1.0 billion in scheduled debt and finance lease payments, including paying off the remaining US\$433 million outstanding balance of its US\$750 million unsecured senior notes that matured in June. To date, American has

Wencor extends purchase agreement with ALP Aviation through 2027

Wencor, LLC and Alp Havacilik Sanayi ve Ticaret A.S. (Alp Aviation) have announced the signing of a multi-year purchase agreement, whereby Wencor will provide consumable and expendable (C&E) parts to support ALP Aviation's production requirements. The parties held a signature ceremony during the Farnborough Airshow in Hampshire, England. Alp Aviation and Wencor have enjoyed a partnership for 20+ years. The new MY10



Contract signing between Wencor and ALP Aviation

Photo: Wencor

Sikorsky contract will extend this relationship through 2027. Wencor will support ALP's requirements through its many OEM-authorised distributorships, demand planning and JIT supply chain services through its local stocking facilities. "We are thrilled to expand our relationship with ALP that we have enjoyed for over two decades," said Wencor CEO, Shawn Trogon. "We look forward to utilising our broad product offerings and best-in-class service levels to support ALP Aviation and its customers for years to come."

FINANCIAL NEWS

reduced its overall debt by US\$5.2 billion from peak levels in the second quarter of 2021. (£1.00 = US\$1.20 at time of publication).

MILITARY AND DEFENCE

Embraer and BAE Systems announce collaboration for C-390 Millennium and Eve eVTOL

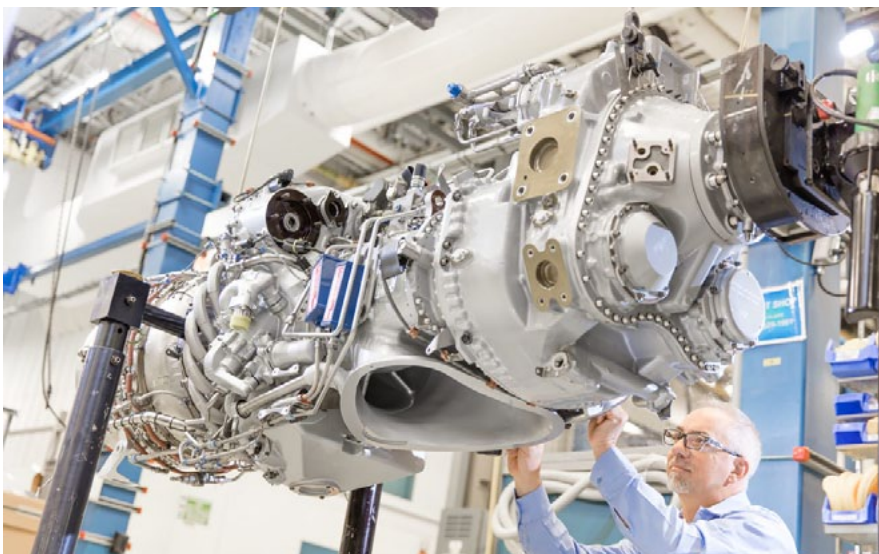
Embraer and BAE Systems have announced at the Farnborough Airshow the signature of two memorandums of understanding (MoUs), which expand the footprint of both companies in the global defence market, by setting out the basis for a collaborative relationship. The first MoU aims to establish a strategic partnership between BAE Systems and Embraer to collaborate in Middle Eastern markets for the C-390, with an initial focus on the Kingdom of Saudi Arabia. The second MoU confirms an intent to create a joint venture to develop a defence variant of Eve's electrical vertical take-off and landing (eVTOL) vehicle. The C-390 Millennium and its air-to-air refuelling configuration, the KC-390, are the new generation of multi-role military transport aircraft already delivering unrivalled mobility and cargo capacity, rapid re-configurability, high availability, improved comfort, and flight safety, as well as reduced operational costs through its life cycle—all in a single platform. For the eVTOL collaboration, the companies intend to create a joint venture that will bring together the complementary skills of Embraer and BAE Systems to pursue the potential development of a defence variant, with Eve being the platform provider.

INFORMATION TECHNOLOGY

Thales and **VoltAero** have announced a cooperation to pursue innovative airborne data collection and computing solutions that promise significant enhancements for the autonomy, sustainability and operability of VoltAero's Cassio electric-hybrid aircraft family. Thales' FlytLink Edge Computing system enables real-time processing of imagery from on-board cameras with artificial intelligence supporting such functions as the detection of obstacles and air traffic. The initial validation of such technologies is now underway using VoltAero's Cassio 1 testbed aircraft. Thales installed a demonstrator of its FlytLink Edge Computing system on Cassio 1. This ultra-compact computer, natively connected to the cloud, enables the collection and real-time transmission of data from onboard sensors and avionics, along with the processing of data in flight or on the ground using the latest-generation algorithms, as well as the hosting of applications that facilitate piloting tasks.

MRO & PRODUCTION NEWS

Afrijet selects comprehensive engine maintenance programme from P&WC for six PW127 engines



Maintenance of PW127M engine

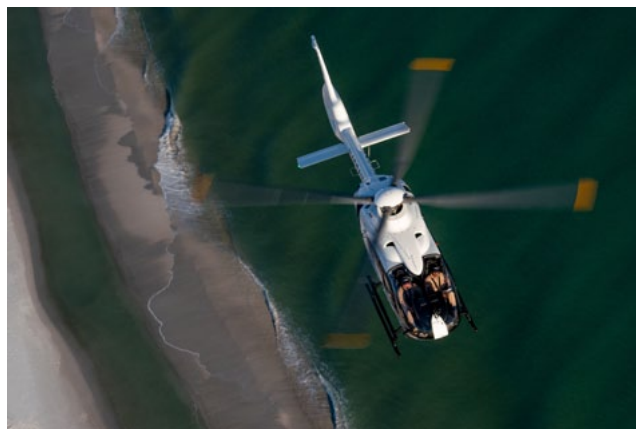
Photo: P&WC

Pratt & Whitney Canada (P&WC), a business unit of Pratt & Whitney, has released that Afrijet of Gabon has signed a 12-year Guaranteed Maintenance Cost Plan (GMCP) to cover the engines on three ATR 72-600 aircraft that are on order. One of the aircraft will be powered by PW127M engines, while the other two will fly with new PW127XT-M engines. The PW127XT engine, launched at the 2021 Dubai Airshow, is the new standard in regional turboprop aviation. The PW127XT offers 40% more time on wing, a 20% reduction in maintenance costs and 3% less fuel consumption. Overall, regional turboprops consume 40% less fuel and emit 40% less CO2 emissions than regional jets on flights up to 400 nautical miles.

MILITARY AND DEFENCE

Moroccan Forces Royales Air orders fleet of H135 helicopters

The Moroccan Forces Royales Air has ordered a fleet of H135s for military primary training missions. The light twin-engine H135, a reference helicopter in the segment, will be used for training pilots to perform a wide array of demanding missions including utility and search and rescue. The contract also covers an extensive support package including the delivery



H135 helicopter

Photo: Airbus Helicopters/Jonny Carroll

of flight training devices and the training of instructor pilots and maintenance pilots. The training programme will enable the Forces Royale Air to take full advantage of the H135's multi-mission capabilities such as NVG and winching.

OTHER NEWS

After 15 days of striking, the **SAS** and **SAS Scandinavia** pilots' unions have concluded mediation. The parties have agreed on new 5.5-year collective bargaining agreements and flights operated by SAS Scandinavia will resume according to its regular traffic programme as soon as possible. The 5.5-year agreements between SAS and the SAS Scandinavia pilots' unions are a key element of SAS' comprehensive business transformation plan **SAS FORWARD**, as they provide the stability and predictability required by potential investors. The agreements include cost savings in line with the set targets in the **SAS FORWARD** plan relating to the pilots' terms and conditions, taking SAS one important step closer to achieving its **SAS FORWARD** target of SEK 7.5 billion in annual cost savings. In short, the agreements imply increased productivity for the SAS Scandinavia pilots and increased flexibility in seasonal production. The terms and conditions of the agreements also yield a lowered unit cost for the SAS Scandinavia pilots. Additionally, as part of the agreement between SAS and SAS Scandinavia pilots' unions, a number of pending litigations previously initiated by the pilots' unions and/or individual pilots against SAS will be withdrawn. In accordance with a restructuring support agreement to be entered into between the parties in the chapter 11 process, SAS has granted the unions a general unsecured pre-emption claim for the pilots in the amount of SEK 1.0 bn in the SAS voluntary financial restructuring process. Distributions under that

MILITARY AND DEFENCE

Israel Aerospace Industries (IAI) signs contract to provide special mission aircraft to a European country



Photo: IAI's CAEW Multi Mission Aircraft

Israel Aerospace Industries (IAI) has signed a contract valued at over US\$200 million (£167 million) to provide special mission aircraft to a country in Europe, which is a NATO member country. The special mission aircraft will be developed by IAI's Group and subsidiary ELTA Systems Ltd., home to Israel's radar and intelligence technology and considered a global leader in the field. IAI's special mission aircraft are active in Israel and in many countries around the world and provide an important strategic edge. IAI is one of the few countries in the world that has the ability to develop such unique technologies. The company's breakthrough in the field of special mission aircraft is made possible due to miniaturised sensor technologies alongside developing algorithms and software applications based on Artificial Intelligence (AI & ML), on the basis of which the highly advanced intelligence systems are integrated on business jets. Prior to this, most special mission aircraft utilised large cargo or commercial aircraft.

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OTHER NEWS

unsecured claim will be capped at SEK 100 million and made over 5.5 years, corresponding to the term of the agreements. Finally, SAS has committed to the rehire and subsequent full-time employment of 450 pilots in tandem with the ramp-up of flight operations until 2024. (£1.00 = SEK12.29 at time of publication).

Three months after announcing the addition of an aircraft maintenance facility and 50 new jobs in Houston, **Spirit Airlines** (Spirit) has announced the addition of a new pilot and flight attendant crew base at **George Bush Intercontinental Airport** (IAH). Spirit expects to locate about 150 pilots and about 300 flight attendants in Houston starting this autumn, with additional crew, supervisors and support functions to follow. The two investments aim to support the many exciting new destinations coming soon to Spirit's route map and support the airline's growing Fit Fleet®, which is one of the youngest and most fuel-efficient fleets in the industry. Spirit plans to accept 24 brand new planes in 2022, bringing its fleet total to 197 aircraft and 33 more new planes are planned for delivery in 2023. The new IAH crew base will join Spirit's existing crew bases in Atlanta (ATL), Atlantic City (ACY), Chicago (ORD), Dallas (DFW), Detroit (DTW), Fort Lauderdale (FLL), Las Vegas (LAS), Miami (MIA) and Orlando (MCO). Houston is perfectly suited for a new crew base because of its strategic location within Spirit's network and it will complement Spirit's diverse mix of domestic and international flight activity out of IAH. Houston also provides exceptional talent recruitment opportunities to augment the airline's growing ranks and offers team members a vibrant metropolis to call home.

Pan Am Flight Academy has announced the acquisition of its second Level D Boeing 747-400, full-flight simulator. This new simulator is being relocated from Thailand and is expected to arrive at the Port of Miami in late July. The simulator will be installed at the new Pan Am Flight Academy training centre located at the Axis Park complex in Hialeah, FL. This B747-400 simulator is equipped with the GE CF6-80c2-B1F engine model, EGPWS, FANS and TCAS II / 7.1. The visuals will be upgraded to the RSI EPIC Visual System. The B747-400 FFS will be updated and qualified to meet FAA CFR Part 60 Level D Technical Standards including FSTD Directive 2. Training on this simulator is expected to begin in Q1, 2023. The simulator will complement the existing Boeing 747-400 Level D simulator currently in service at Pan Am Flight Academy's training centre in Miami, FL.

INFORMATION TECHNOLOGY

Eve Holding has entered into a letter of intent (LOI) with **Halo Aviation** (Halo), a provider of bespoke private Urban Air Mobility (UAM) travel services, to collaborate in the development and launch of Eve's Urban Air Traffic Management (UATM) software solution. As part of the agreement, Halo will acquire the software from Eve with the objective of using the software to maximise its UAM operations. It is the first LOI for Eve's state-of-the-art UATM solution, which will unlock the value and network performance of the UAM market to enable the safe scalability of the industry. The companies also intend to develop an operational model to be deployed in specific missions and regions in the United States and the United Kingdom where Halo operates. In June of last year, the companies announced the commencement of their partnership focused on developing UAM products and services, as well as Halo's non-binding commitment to order up to 200 of Eve's eVTOLs (electric vertical take-off and landing) vehicle. Eve's UATM software is part of an agnostic portfolio of solutions that will enable the integration of all airspace users in the urban environment, which is critical to supporting the safety, efficiency, and improvement of the entire UAM ecosystem, including fleet and vertiport operators. This new collaboration reinforces Eve's and Halo's commitment to safely integrating and scaling global UAM operations. Eve expects to start its eVTOL deliveries in 2026.



Photo: Eve

OTHER NEWS

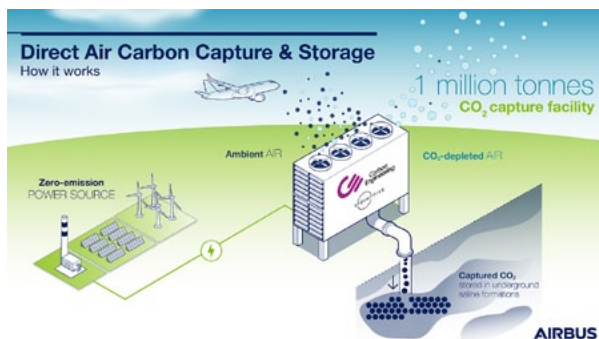


Photo: Airbus

Airbus, along with **Air Canada**, **Air France-KLM**, **LATAM Airlines Group**, **Virgin Atlantic**, **Lufthansa Group** and **International Airlines Group** (IAG) have all signed letters of intent (LoIs) to confirm their joint desire to identify opportunities where direct air carbon capture technology (DACCS) could supply future carbon removal credits for the airline industry.

Known as Direct Air Carbon Capture and Storage, DACCS is a system used to remove CO2 from the air using high-powered fans which is then safely stored in geologic reservoirs. The intention behind the technology is to mitigate for the fact it is not possible to directly capture CO2 emissions from aircraft engines, and instead the equivalent amount of CO2 is extracted from the general atmosphere to provide 'carbon credits'. The new technology will not provide the sole solution to the industry's problem with CO2 emissions. Major steps have already been taken to introduce the use of sustainable aviation fuels (SAFs) which produce far lower CO2 emissions than standard aviation fuel. With these LoIs, the above-mentioned airlines have committed to engage in negotiations on the potential for pre-purchase of verified and durable carbon removal credits, beginning in 2025 and running through to 2028. Airbus' partner 1PointFive will be responsible for issuing the carbon removal credits – the company is a subsidiary of Occidental's Low Carbon Ventures business and the global deployment partner of direct air capture company Carbon Engineering. Airbus' partnership with 1PointFive includes the pre-purchase of 400,000 tonnes of carbon removal credits which will be delivered over a four-year period.

INDUSTRY PEOPLE



Dennis Kohr

- As of August 1, **Dennis Kohr** will become Head of Corporate Sales Asia Pacific for the Lufthansa Technik Group. He succeeds **Thomas Böttger**, who became Head of Purchasing in March of this year.

Kohr, currently Head of Product Sales & Fulfillment Open Loop, EMEA, previously held several leading positions in sales and customer service, also outside the Lufthansa Group. After joining Lufthansa Technik in 2006 as a project manager in component sales, his professional career led him to Jet Aviation, among others, first to Switzerland as Director Sales and Customer Support and later to Austria as Accountable Manager. Kohr returned to Lufthansa Technik in 2018 as Head of Product Sales EMEA (Europe, Middle East, Africa) in the component division. He completes Lufthansa Technik's corporate sales senior leadership team, consisting of **Kai-Stefan Roepke**, who is responsible for EMEA (Europe, Middle East and Africa) and Georgios Ouzounidis, who is heading the sales activities for the Americas region.



Gerard Browne

- Contrail Aviation Support, a full-service engine asset management platform as well as worldwide supplier of surplus and aftermarket commercial jet engine components, has announced the appointment of GECAS

veteran **Gerard Browne** as SVP of Marketing and Origination. In his new role, Browne will focus on sourcing assets from lessors and airlines across the globe, leveraging his experience, background and deep relationships within the industry to identify opportunities for strategic growth. He teams up with **Mark Shaw** (Contrail's Senior VP Airline Marketing) to represent the company from a marketing leadership perspective, helping to promote Contrail's asset strategy, profile and position in the industry. Browne joins Contrail having most recently served as the VP of Engine Trading at GECAS & AerCap in Shannon, Ireland. In that role, he developed and implemented sales strategies for the

organisation to involve asset types and timing of engine trading. Prior to that, he was the AVP of Engine Leasing at GE Capital Aviation Services.

- A group of seasoned aviation finance executives have teamed up to launch FWCAS, a new aircraft investment and leasing platform. FWCAS will offer customised aircraft leasing solutions to airline customers globally. Its fleet will focus on the most desirable, technologically advanced commercial passenger aircraft from Airbus and Boeing. FWCAS will seek to actively grow its fleet and position itself to help customers reduce their carbon emissions by investing in the latest aviation technology. The FWCAS management team comprises a highly experienced group of former GECAS executives, who have more than 90 years of collective experience in the aircraft leasing industry. The team is led by CEO **Jonty Nel** and includes **Liam Creaven**, who joins as Chief Technical Officer, **Simon Siganto** who will serve as Chief Legal Officer and **Pat Laffan** as Chief Financial Officer. Nel, CEO at FWCAS, commented: "We're excited to return to the aircraft leasing market with FWCAS, where we're investing selectively in the most in-demand, technologically advanced aircraft platforms. We will help airlines provide an extraordinary passenger experience at lower operating costs, and with reduced carbon emissions."

- As of July 1, 2022, **David Lamoureux** has assumed the role of Chief Executive Officer at Bonus Tech, an Air France Industries KLM Engineering & Maintenance joint venture based in Miami and one of the global market leaders for engine teardown. Engine teardown facilitates the generation of used serviceable and repairable material from end-of-life engines and is a key enabler of circularity in engine materials, contributing to the drive for sustainability in the aviation industry. Lamoureux succeeds **Aurélie Kergoat**, who in her five years as Bonus Tech's CEO has led the development of the company into the market leader it is today. Kergoat has successfully driven growth in Bonus Tech's engine portfolio, increased turnover and profitability and launched the development of complementary services for its customers. For example, engine inspection to be offered through Bonus Tech Engine Services, including Part 145 approval. David Lamoureux arrives with 15 years of experience in the MRO engine

business at AFI KLM E&M, from dedicated logistics, asset lifecycle management, engine maintenance operations and most recently served as Technical Sales Director for CFM56-5 and GE90 engine maintenance services worldwide.

- GA Telesis Engine Services (GATES) has released that industry veteran, **Bradley Carucci**, has joined GATES as Managing Director of the U.S.-based Specialized Procedures Aeroengine Hospital (SPAH) in Wilmington, Ohio. This new 72,000 ft² facility is a joint venture with GA Telesis and Air Transport Services Group (ATSG). Carucci brings a broad range of aviation experience with increasing levels of responsibility in the commercial aircraft maintenance industry. He began his career as a jet engine specialist with the United States Air Force. Carucci received his bachelor's degree in Applied Arts and Aviation Sciences from Eastern New Mexico University.



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

Publisher
Peter Jorssen
Tel: +1 604 318 5207

Editor
Heike Tamm
editor@avitrader.com
Tel: +34 (0) 971 612 130

Advertising Inquiries
Tamar Jorssen
VP Sales & Business Development
tamar.jorssen@avitrader.com
Phone: +1 (778) 213 8543

For inquiries and comments,
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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
A319-112	Deucalion Aviation Limited	CFM56-5B63	3586	2008	Now	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	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-200	BBAM	CFM56-5B4/3	6467	2015	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A320-200	ORIX Aviation	CFM56-5B4/3	4714	2011	Q3/2023	Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	ORIX Aviation	CFM56-5B4/P	2620	2005	Q2/2023	Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Now	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
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	Deucalion Aviation Limited	CF6-80E	814	2007	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-200	Doric	Trent 772B-60/16	1407	2013	Q3/2022	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-200	GA Telesis	PW4168A	322	2000	Jul 2022	Sale / Lease	David Byrne	aircraft@gatelesis.com	+353 86 780 8974
A330-300	BBAM	Trent 772B-60	1633	2015	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	Trent 772B-60	1482	2014	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	BBAM	airframe only	32414	2003	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800	BBAM	CFM56-7B26/3	29637	2009	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800	ORIX Aviation	CFM56-7B26/3	35216	2007	Now	Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B24E	40318	2012	Now	Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
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
B757-200 Cargo	Airwork Ireland Limited	RB211-535E4	27051	1995	Now	Lease	Robbie Brazel	robbie.brazel@airworkgroup.com	+353 87 372 8262
B757-200 Cargo	Airwork Ireland Limited	RB211-535E4	25297	1992	Q4/2022	Lease	Robbie Brazel	robbie.brazel@airworkgroup.com	+353 87 372 8262
B737-900ER	Deucalion Aviation Limited	CFM56-7B26	35712	2007	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-900ER	Deucalion Aviation Limited	CFM56-7B26	35717	2007	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
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	GE90-115BL	38407	2011	Mar 2023	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	ALTAVAIR	GE90-115BL	29146	2013	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B777-300ER	ALTAVAIR	GE90-115BL	29147	2013	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B777-300ER	ALTAVAIR	GE90-115B	34600	2006	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B777-300ER	ALTAVAIR	GE90-115B	39700	2009	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493



THE AIRCRAFT AND ENGINE MARKETPLACE

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	Now	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				
(3) CF34-10E6	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CF34-10E7	Now - Lease				
(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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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CF6-80C2B7F	Now - Sale	GA Telesis		engines@gatelesis.com	
(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) CFM56-5B3/3	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiairline.com	+1 786-785-0777
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-5B3/P	Now - Lease				
(1) CFM56-5B1/P	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(3) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B24/E	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(1) CFM56-5C4	Now - Lease				
(1) CFM56-7B26E	Now - Lease				
(2) CFM56-5B5/P	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7040
(1) CFM56-5B4/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
(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	Castellake	Stuart MacGregor	Stuart.macgregor@castellake.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
(1) 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	Castellake	Graeme Dodd	Graeme.dodd@castellake.com	+44 207 190 6138
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
(4) PW127M	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(2) PW150A	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	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) Trent XWB-84	Now - Sale/Lease/Exch.				
(1) Trent 556-61	Now - Sale/Lease/Exch.				
(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
(1) V2527-A5	Q3/2022 - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) 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 - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2527-A5	Now - Lease				
(2) V2527-A5	Now - Sale / Lease	Castlelake	Graeme Dodd	Graeme.dodd@castlelake.com	+44 207 190 6138
(1) V2533-A5	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiaviation.com	+1 786-785-0777
(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) GTC331-500B	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules					
(2) GTC331-200ER, (2) GTC331-9A,	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) GTC331-9B					
(1) A321 Enhanced Landing Gear 2020 OH					
(2) A320, (1) A330, (1) A340 Landing Gear Shipsets		GA Telesis		landinggearsales@gatelesis.com	
(1) A320 ENH NLG					
GTC331-9A (2), GTC331-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTC331-200, GTC331-250	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) GTC331-9A	Now - Sale / Lease	Magellan Aviation Group	Drew Megorden	drew.megorden@magellangroup.net	+1 704-340-0273
(1) GTC331-9B, (1) GTC331-500B	Now - Sale / Lease				
(1) GTC331-500B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(2) GTC331-350, (2) APS2300	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
(1) APS3200, (1) GTC331-9B					
((1) GTC331-200ER, (2) RE220RJ	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 954-683-1893
(2) GTC331-150RJ					
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(4) GTC331-9A, (4) GTC331-9B		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(2) GTC331-350, (2) GTC331-500, (1) APS3200B, (2) APS3200C					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000			Ricky Torres	stands@gatelesis.com	+1-954-676-3111
(3) APU GTC331-9B, (1) GTC331-500B	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



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