

Weekly Aviation Headline News

WORLD NEWS

Cathay Pacific welcomes new Hong Kong travel measures

Cathay Pacific said it welcomes the Hong Kong SAR Government's latest measures to facilitate travel to Hong Kong, especially the decision to remove the hotel quarantine arrangement for passengers arriving in Hong Kong effective 26 September 2022. These adjustments will help boost sentiment for travel, thereby facilitating the gradual resumption of travel activities and strengthening of network connectivity to, from and through the Hong Kong aviation hub.

Etihad Cargo joins TIACA sustainability programme

The airline is the first Middle Eastern carrier to participate in The International Air Cargo Association's (TIACA) BlueSky programme. The first phase of the programme comprises an evidence-based desktop verification process in which participants can assess their progress against eight critical sustainability criteria, including decarbonisation, waste elimination, biodiversity protection, support for local economies and communities, impact on society improvement, efficiency and profitability, employee engagement, retention and development, and partnership building.

Breeze Airways partners with Planitas

Planitas, the specialist in airline analytics, announced a new partnership with Breeze Airways. Planitas will provide enhanced data engineering to enable the airline to make crucial decisions related to their product offering. Lukas Johnson, CCO, Breeze Airways said the quality data provided by the Planitas ADAPTiv platform will help in making fast and nimble pricing decisions.



The ES-30 is expected to enter into service in 2028.

Photo: Heart Aerospace

Electric aviation gathers pace

As industry confidence builds

AviTrader Weekly has monitored several new announcements recently geared towards the ongoing global effort to electrify regional air travel.

Swedish electric aircraft maker Heart Aerospace has unveiled significant design updates to its first electric aircraft and confirmed Air Canada and Saab as new minority shareholders. The new design, called the ES-30, is a regional electric airplane with a capacity of 30 passengers and it replaces the company's earlier 19-seat design,

the ES-19. It is driven by electric motors powered by batteries, which allows the aircraft to operate with zero emissions and low noise. Air

Previous orders for the ES-19 placed by United Airlines and Mesa Air Group for a total of 200 electric aircraft with an option for an additional 100, have now been updated for the ES-30 design. Heart unveiled the new design gives the ES-30 a fully electric range of 200 km, an extended range of 400 km with 30 passengers, and flexibility to fly up to 800 km with 25 passengers, all-inclusive of typical airline reserves, according to the design specifics.

“ We started our cooperation back in 2019. Today, it has developed into an important part of our strategy to reach net-zero for our domestic traffic by 2030. ”

BRA CEO Ulrika Matsgard

Canada and Saab have each invested US\$ 5 million in Heart Aerospace. In addition to its investment, Air Canada has also placed a purchase order for 30 ES-30 aircraft.

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...continued from page 1

Icelandair announced a continued collaboration with Heart Aerospace signing a Letter of Intent for the ES-30 aircraft. The Deputy COO at Icelandair said with short domestic routes, and ample access to green energy, Iceland is in a unique position to be in the forefront of decarbonising domestic aviation. The Icelandic airline joins the newly formed industry advisory board to assist

in defining the requirements for the ES-30. “We are very pleased to participate in this development and to help make the energy exchange of aviation a reality,” she said. At Braathen’s Regional Airlines (BRA) in Sweden, the airline continues to collaborate with Heart Aerospace with interest in acquiring ES-30 aircraft. “We started our cooperation back in 2019. Today, it has developed into an

important part of our strategy to reach net-zero for our domestic traffic by 2030,” says BRA CEO Ulrika Matsgard. Maria Fiskerud, Head of Sustainability at BRA, will also be part of the Heart Aerospace advisory board, where the requirements for the ES-30 will be further defined. The ES-30 is expected to enter into service in 2028.

AIRCRAFT & ENGINE NEWS

Commercial aircraft deliveries increased 28% year-on-year, IBA Insights show

Aviation market intelligence and consultancy company IBA has published its monthly Aviation Industry Barometer for August 2022, showing that commercial aircraft deliveries increased by 28% between August 2021 and August 2022. This was boosted by Boeing resuming deliveries of the 787 following production issues.

Intelligence from IBA Insight reveals that the recovery in monthly global passenger flights was stable in August 2022, with flight capacity at 83% relative to pre-pandemic levels.

IBA’s Aviation Industry Barometer for August 2022 also indicates that:

- There were approximately 2.64 million commercial passenger flights in August 2022, the same level seen in July 2022, and 28% more than the 2.06 million flights which were recorded in August 2021.
- There were 78 commercial aircraft deliveries in August 2022, representing a month-on-month decrease of 6% compared to July 2022, and a year-on-year gain of 28% compared to August 2021.
- After more than a year’s pause due to production issues, Boeing resumed deliveries of the 787, with four deliveries in August to a mixture of operators.
- Freighter deliveries remained exclusive to Boeing, with five aircraft delivered in August – three 777Fs and two 767-300Fs, the majority of which were to Federal Express.
- Asia Pacific flight capacity continues to lag behind, although the region is starting to show signs of recovery with +56% year-on-year growth as restrictions relax further.
- Latin America is leading the global recovery, with flight capacity at 100% or more of pre-pandemic levels since May this year, while global capacity remained at 83% in August.

NAC signs multiple new lease agreements with VOEPASS, Braathens and Wideroe

Nordic Aviation Capital (NAC) has released that it has signed multiple new lease agreements in the last week. The company will lease two ATR 72 aircraft to VOEPASS, a leading regional carrier based in Ribeirao Preto, Sao Paulo, Brazil. Another agreement was signed with Braathens Regional Airways AB, a scheduled carrier based in Stockholm, Sweden, for two ATR 72-600 aircraft. Furthermore, NAC confirmed that it has executed a sale agreement for two DHC8-400s and a lease agreement for three DHC8-400s with Wideroe Flyveselskap AB, based in Bodo, Norway.



Braathens ATR-72-600 aircraft Photo: AirTeamImages

EASA certifies Rolls-Royce Pearl 700 engine



Photo: Rolls-Royce

The Pearl 700, the exclusive engine for the brand-new Gulfstream Aerospace flagship Gulfstream G700 and Gulfstream G800 business jet aircraft, has received official certification from the European Union’s Aviation Safety Agency (EASA). The pioneering engine, which was developed at the Rolls-Royce Centre of Excellence for Business Aviation engines in Dahlewitz, Germany, was custom designed to power two of Gulfstream’s latest products, enabling them to fly ultra-long-range missions at close to the speed of sound. During the comprehensive test programme, the engine demonstrated exceptional performance operating at sea-level and altitude conditions on both conventional jet fuel and 100% Sustainable Aviation Fuel (SAF). It proved its ability to withstand birdstrike, ice, hail and water ingestion as well as passing the critical fan blade containment test, during which a fan blade is deliberately released at maximum speed. Testing was conducted at various Rolls-Royce locations in Europe and North America, including Dahlewitz in Germany, Bristol in the UK, Manitoba and Montreal, Canada, the Rolls Royce outdoor jet engine testing facility located at NASA’s John C Stennis Space Centre, Mississippi, U.S.A., as well as the altitude test bed at AEDC (Arnold Engineering Development Center) in Tullahoma, Tennessee, U.S.A.

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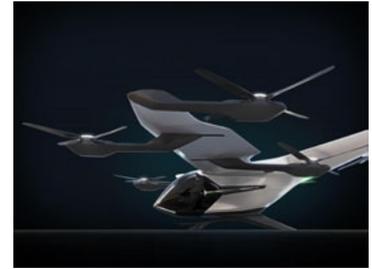
AIRCRAFT & ENGINE NEWS

Xiamen Airlines switches to Airbus A320neo family with order of 40 aircraft

Xiamen Airlines has placed a firm order for 40 A320neo-family aircraft switching to Airbus for its fleet growth, making the airline the newest Airbus customer. The agreement was announced by the carrier’s major shareholder China Southern Airlines to the Shanghai Stock exchange. The A320neo family incorporates new-generation engines and sharklets, which together deliver more than 25% fuel and CO2 savings, as well as a 50% noise reduction. Passengers will also benefit throughout their flights from Airbus’ award-winning airspace interior, which brings the latest cabin technology to the A320 family. At the end of August 2022, the total number of A320neo-family firm orders reached over 8,500 from more than 130 customers worldwide.

Airbus and Ecocopter to strengthen UAM presence in Latin America

Airbus has announced that it has signed a Memorandum of Understanding (MoU) with Ecocopter to expand urban air mobility (UAM) services in a number of Latin American countries with the intent to create a fully functioning UAM ecosystem in the region. Initially the partnership will involve the exploration and definition of launch scenarios for air mobility operations, predominantly in Peru, Ecuador and Chile. This will include joint activities to develop UAM operations over the continent, as well as ways to target first-use cases, pilot cities and regions. Ecocopter has been connected to Airbus many years and currently operates a fleet of 16 H125, two H135 and three H145 Airbus helicopters, is characterised by their high versatility and perform missions ranging from off-shore transport, mining support, medical evacuation, firefighting, and almost the entire range of aerial work missions. Back in September last year, Airbus revealed its eVTOL prototype CityAirbus NextGen, to explore advanced air mobility technologies and bring urban air mobility services to life. With an operational range of 80 km and a cruise speed of 120 km/h, the aircraft has been developed for deployment in urban areas and beyond. Airbus is also working closely with industrial and institutional partners to lead the development of urban air mobility ecosystems, as recently announced with ITA Airways in Italy, or through the launch of the Air Mobility Initiative in Germany.



CityAirbus NextGen

Photo: Airbus Helicopters

Wizz Air to acquire 75 new Airbus A321neo aircraft



Wizz Air Airbus A321neo .

Photo: AirTeamImages

European low-cost carrier Wizz Air has given notice to Airbus to exercise its purchase rights in relation to 75 Airbus A321neo aircraft. The 75 additional A321neo aircraft, most of which are expected to be delivered in 2028-29, underpins Wizz Air’s ambitious goal of more than tripling the size of its fleet by the end of the decade to become an airline of 500 aircraft. Strengthening its position as one of the most sustainable low-cost airlines, the A321neo aircraft incorporates the latest technologies in aviation and offers significant environmental benefits, with a nearly 50% reduction in noise footprint, a 20% reduction in fuel consumption and 50% reduction in nitrogen oxide emissions. Wizz Air currently has a fleet of 165 ultra-modern and efficient Airbus aircraft. Wizz Air operates one of the world’s youngest short-haul fleets offering customers an unrivalled travel experience while minimising carbon emissions.

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Part Sales Consignment Purchasing Exchanges Provisioning Leasing Repair Management

MRO & PRODUCTION NEWS

ST Engineering secures contract for Boeing 737-800 component MRO from Nok Air



Nok Air Boeing 737-800

Photo: AirTeamImages

ST Engineering’s Aerospace arm has secured a five-year component maintenance-by-the-hour (MBH) contract to service the Boeing 737-800 fleet of Thai budget carrier, Nok Air. Under the multi-year component MBH contract, ST Engineering will provide a full suite of component support solutions covering component repair management, pool support and dedicated consignment stock in Bangkok for the airline’s entire fleet of Boeing 737-800 aircraft. The contract is a renewal of the partnership in component MRO between Nok Air and ST Engineering.

Luxair awards Revima Asia Pacific B737NG landing gear MRO contract

Revima Asia Pacific has entered into a two-year agreement for B737 NG landing gear overhaul. The first overhaul is scheduled in September 2022 in Revima’s brand-new state-of-the-art 11,000 m² facility south of Bangkok, Thailand. Ramp-up of operations is now accelerating and the company is ready to support a growing number of customers in the region with high-value quality and service. Remy Maitam, Revima Asia Pacific President, said: “Revima Asia Pacific is excited to support Luxair on its B737NG landing gear overhaul programme. We will draw on our experienced staff and extensive in-house capabilities to deliver on our commitments to Luxair”.



Luxair Boeing 737-800

Photo: AirTeamImages

GKN Aerospace celebrates grand opening of aero-engine parts repair facility in Malaysia



Photo: GKN Aerospace inaugurated its new facility in Johor, Malaysia

On the last day of the MRO ASIA show in Singapore, GKN Aerospace has celebrated the grand opening of its all-new facility for aero-engine parts repair in Johor Malaysia with an inauguration ceremony. The ceremony was originally scheduled to take place in February 2020 but had to be postponed because of the COVID-19 pandemic. The site is focusing on servicing engine low-pressure compressor (LPC) components for CFM56-5B, CFM56-7 and V2500 engines. The first CFM platforms have already been repaired and were delivered to customers in December 2021. The repair of V2500 fan blades kicked off in June 2022. The portfolio will be expanded with GTF 24K and CFM fan blades later this year and early in 2023. Research is centred around the application of additive manufacturing technology into engine parts repair. The current team of 90 employees will grow to 150 operators in 2023 and further expand to

300 within five years. GKN Aerospace is providing on-site training for employees. The expansion to Asia is an important part of GKN Aerospace’s long-term growth strategy and global operating model. The facility is complementary to GKN Aerospace’s existing component repair facility in El Cajon, CA to meet growing demand in the Asia Pacific region.

MRO & PRODUCTION NEWS

Heart Aerospace selects MSB (Sogclair) to support interior development of latest electrically powered aircraft, ES-30



Photo: Rendering of the ES-30 interior supported by MSB RG expertise

MSB, a Sogclair company, supplier of innovative, high-value-added solutions for safer and more efficient mobility, has signed an agreement with Heart Aerospace, manufacturers of the electrically powered ES-30 regional aircraft to design and develop some 60 key structural components for the cabin, flight deck and cargo sections. The scope of work includes full provision of floor coverings, headliners, acoustic and thermal insulation, emergency equipment throughout the fuselage and cabin seat integration. Individual components to be provided for the individual aircraft zones include flight deck console trim panels, side ledge and stowage systems; cabin sidewall, window shades and passenger service units; and cargo area linings, tie-downs, and nets. Completion of the first phase of the project is anticipated in the final quarter of 2023. Heart Aerospace selected MSB (Sogclair) based on its extensive experience in providing interiors development support for new aerospace programmes and the company's deep knowledge of the importance of balancing weight, materials and functionality, with style, passenger experience and operational budgets. Intended to support regional operations the focus on sustainability and low operating costs will be reinforced by the work of MSB in designing lightweight components and reducing non-recurring costs.

SR Technics and Garuda Indonesia sign CFM56-7B Engine Support contract

MRO service provider SR Technics has signed a multi-year CFM56-7B engine support contract at the MRO Asia in Singapore, with PT Garuda Indonesia (Garuda), powering the carrier's Boeing 737 NG aircraft. The contract will allow SR Technics and Garuda to explore areas of cooperation by providing the best quality service in engine support for the Boeing 737 Next Generation, commonly abbreviated as 737NG, or 737 Next Gen, a narrow-body aircraft powered by two jet engines and produced by Boeing Commercial Airplanes. Indonesian carrier Garuda seamlessly connects over 60 destinations worldwide and an array of exotic destinations in the beautiful archipelago of Indonesia. Continuing its relationship with SR Technics, Garuda will send CFM65-7B engines to the SR Technics facility in Zurich for MRO services.



Contract signing between SR Technics and Garuda Indonesia

Photo: SR Technics

De Havilland Canada to build new state-of-the-art manufacturing facility in Calgary, Alberta



Photo: De Havilland Dash 8-400 aircraft

With its current manufacturing facilities located in the Downsview area of Toronto, De Havilland Canada has announced its intention to create a brand-new, state-of-the-art manufacturing facility located approximately 30 minutes to the east of Calgary in Wheatland County. The new facility will be named De Havilland Field and will comprise a new, state-of-the-art aircraft assembly facility, runway, parts manufacturing and distribution centres and maintenance repair and overhaul centre. Additionally, there is educational space planned for training the workforce of the future, as well as general office buildings and a De Havilland Canada aircraft museum. The new facility is intended to complement De Havilland's current parts manufacturing facilities in Victoria, British Columbia as well as its new engineering and customer support centre of excellence in Toronto, Ontario. The new facility will be used for final assembly of the DHC-515 Firefighter aircraft, which was launched earlier this year, the DHC-6 Twin Otter as well as the Dash 8-400 aircraft. The Canadian aircraft manufacturer is also currently working towards bringing the DHC-6 Twin Otter and Dash 8-400 aircraft back into production. The location for De Havilland Field was chosen as it has access to a

large, young and diverse labour pool in Alberta and a world-class international airport that can support efficient parts distribution to its global customer base. Once fully operational, it is anticipated the facility will provide up to 1500 jobs. However, at present the development of De Havilland Field is subject to an amendment to the Wheatland County Area Structure Plan as well as re-zoning by the County. De Havilland expects to submit these applications shortly. In addition, there are approval processes required by Transport Canada and the Impact Assessment Agency of Canada.

MRO & PRODUCTION NEWS

AJW Group to open new regional support hub in Turkey



Umit Caymaz, Managing Director, AJW Turkey
Photo: AJW Group

AJW Group, a world-leading independent aircraft component parts, repair and supply chain solutions provider, has announce the opening of AJW Turkey, a new regional support hub and office located in Istanbul. Turkey and the surrounding Eurasia region is one of the priority markets for AJW Group and in response to growing demand for a full-service local office, operating in the local time zone, AJW Turkey aims to deliver the full suite of AJW’s support solutions to companies in Turkey and the wider region to transform their aviation efficiency. AJW Turkey will primarily support the AJW Group’s regional customers, initially as a local extension of AJW’s customer support, offering access to inventory of Airbus and Boeing spare parts (valued at US\$500 million), including engines and major assets, contractual support negotiations, MRO services and nose-to-tail support solutions. AJW Turkey, road mapped to expand with inventory located in Istanbul to support operational demands across the region and beyond, will be led by Umit Caymaz, Managing Director, AJW Turkey. Caymaz brings over 15-years of aviation experience with previous roles at Onur Airlines and MNG Airlines in Turkey, in addition to roles at several global aviation support companies, including GA Telesis. Based in Istanbul, Caymaz is responsible for the growth and business development activities of AJW Group’s services within the region and as a key member of the Group’s management team provides strong commercial and sales leadership and the ability to create innovative support solutions, thus ensuring the delivery of customer product and service needs as well as the longer-term business strategy for the region.

FINANCIAL NEWS

TrueNoord secures US\$400 million financing facility

TrueNoord has closed a new revolving warehouse finance facility of US\$400 million which will be seeded with 17 aircraft already owned by TrueNoord and which can be extended further by an accordion feature. The facility will be used by the specialist regional aircraft lessor to finance business development and expand its portfolio of 50-150-seat aircraft which includes jets and turboprops from Embraer, ATR, Airbus, MHI-RJ and De Havilland Canada. The new facility is provided by Citibank, Société Générale Corporate & Investment Banking, Royal Bank of Canada, and NordLB. It will be used to fund new acquisitions and support TrueNoord’s targeted growth strategy which is endorsed by cornerstone investors: Freshstream, BlackRock, Aberdeen and others. Legal advisers Clifford Chance acted on behalf of TrueNoord, Milbank represented the banks, and Flynn O’Driscoll acted as Irish counsel. “This new revolving warehouse facility will finance TrueNoord’s regional aircraft acquisitions going forward. It will give us the funding to react quickly on market opportunities and build up a portfolio of new and used aircraft on a flexible basis for our customers” comments Anne-Bart Tieleman, CEO. “These four banks further augment the strong group of financiers and investors that are supporting TrueNoord’s dynamic growth trajectory.”



Photo: TrueNoord CEO Anne-Bart Tieleman



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MRO & PRODUCTION NEWS

Pratt & Whitney to establish Singapore technology accelerator

Pratt & Whitney will establish a technology accelerator in Singapore in collaboration with the Singapore Economic Development Board (EDB). Technologies developed in Singapore will be applied across Pratt & Whitney’s global maintenance, repair and overhaul (MRO) footprint. The facility, serving as a centre of excellence for technology advancement, will help to accelerate the development and deployment of technology insertion projects across Pratt & Whitney’s four Singapore-based MRO facilities over the next five years. The projects, expected to be worth at least S\$31 million (US\$22 million or £19 million), will focus on automation, advanced inspection, connected factory and digital twins, helping to enhance connectivity and intelligence across the company’s MRO operations. The Singapore technology accelerator will be located at the Seletar Aerospace Park, within the heart of Singapore’s aerospace industry ecosystem. Expected to be ready for occupation in the fourth quarter of this year, it will add 16 new positions, which the company plans to fill with local, full-time employees.

Spirit AeroSystems and Malaysia Airlines Berhad to create MRO services for 737NG

At MRO Asia-Pacific in Singapore, Spirit AeroSystems announced the signing of a Memorandum of Understanding (MOU) with Malaysia Airlines Berhad (MAB) to develop maintenance, repair and overhaul (MRO) services for the Boeing 737 next-generation aircraft. Under the terms of the agreement, Spirit and MAB will start to jointly work on establishing repair services for nacelle and flight control surfaces to support the airline’s fleet and the planes of other operators before the end of 2022. “This is an important development as Spirit Aftermarket Services continues to expand service offerings to the important Asia-Pacific market,” said Kailash Krishnaswamy, Senior Vice President of Aftermarket Services for Spirit. Krishnaswamy said Spirit’s Aftermarket business continues to grow since the 2021 acquisition of select Bombardier maintenance, repair and overhaul operations in Belfast, Northern Ireland and Casablanca, Morocco; the acquisition of assets from Applied Aerodynamics in Dallas, Texas, USA; and the SEAS joint venture. Spirit’s Aftermarket business revenues have grown from US\$186 million in 2019 to US\$239.9 million in 2021. Spirit is targeting to grow the aftermarket business to US\$500 million in revenue by 2025. (£1.00 = US\$ 1.14 at time of publication).

FINANCIAL NEWS

Embraer announces investment in XMobots



Photo: Embraer has acquired a minority shareholding in XMobots, a drone company in São Carlos, Brazil

Embraer has signed an investment agreement to acquire a minority shareholding in XMobots, the largest drone company in Latin America with operations in São Carlos, in the São Paulo countryside. The transaction will be made via an investment fund in which Embraer is the sole partner, with an additional investment option in the future. The conclusion is subject to

accomplishment conditions and obtaining the usual approvals for this type of transaction. The deal aims to accelerate the future of the medium and large autonomous drone market and jointly explore new market niches. It also seeks to expand the collaboration network in the research of new technologies that have synergies within the areas of technological development, Embraer’s business, and innovation, as well as Embraer-X. With an engaged and creative team, XMobots was founded with the mission to develop the mobile robot market and helped make drones a daily reality for the Precision Agriculture and Geotechnology markets in Brazil and Latin America. Once the transaction is complete, the companies aim to work together to create memorandums of understanding related to operations in the civilian, defence and security markets.

MILITARY AND DEFENCE

Boeing selects Collins Aerospace for F-15EX wheels and brakes



F-15EX Eagle II on tarmac

Photo: Collins Aerospace

Boeing has selected Collins Aerospace to provide boltless wheels and carbon brakes for lots one through three on the F-15EX aircraft in production for the U.S. Air Force. Collins’ equipment replaces the platform’s legacy wheels and brakes on the Boeing production line. Collins has worked closely with the U.S. Air Force on the wheel and brake system improvement (WBSI) programme to design, develop and qualify the F-15 wheels and brakes while achieving installation approval from Boeing for the F-15C/D and F-15E variant aircraft. After five years of operations, Collins’ wheels and brakes continue to meet or exceed all U.S. Air Force performance standards for the WBSI programme. Collins set out to drive down the lifecycle cost over the lifespan of the aircraft while increasing the longevity of the wheel and carbon brakes.

MRO & PRODUCTION NEWS

GA Telesis Engine Services and Lion Air Group sign CFM56-7B engine maintenance contract

GA Telesis Engine Services (GATES) and Lion Air have entered into a long-term engine maintenance contract covering the airline's Boeing 737NG fleet. This strategic win for GATES covers maintenance, repair, and overhaul of CFM56-7B engines across Lion Air Group airlines (including Batik Malaysia and Thai Lion Air). In addition, it includes leased engine support, LLP management, and logistics. The first engine maintenance event will enter a GATES maintenance slot in early October 2022. Lion Air, the largest airline in Indonesia and second-largest low-cost airline in Southeast Asia, now has a large majority of the domestic market share post-pandemic and continues to add capacity to meet increased passenger travel.

Topcast wins exclusive distribution agreement from Av-DEC

Topcast, the aircraft parts distributor and MRO service provider, has won an exclusive distribution agreement of products from Aviation Devices & Electronic Components, LLC (Av-DEC), the innovative anti-corrosion solution provider. Upon the contract signed as of the first day of MRO Asia-Pacific 2022, Topcast will represent all corrosion-prevention products engineered by Av-DEC to customers in South-East Asia. Corrosion is a gradual deterioration of a material's surface through chemical reactions and is a threat to all aircraft, as they operate in extreme environments that speed up corrosion. This problem can be extremely costly to aircraft operators in parts overhaul and replacement if no preventative measures are taken. Av-DEC offers comprehensive, adaptive, and economical solutions with a wide array of form factors to mitigate the corrosion concern. Carefully engineered HI-TAK® gaskets, injectable and sprayable sealants, and HI-TAK® polyurethane rolled sealants (PRS®) are ideal products for protecting aircraft structures and parts from corrosion, applicable to all kinds of flight vehicles.

Airbus still confident of 75 narrow-body jet output per month by 2025 despite current supply chain problems

While maintaining its proposed output target of 75 narrow-body jets per month by 2025, European planemaker Airbus has been forced to accept current supply chain issues and has lowered the pressure on suppliers to commit to meeting Airbus' proposed target. Currently many suppliers have openly confirmed that

MILITARY AND DEFENCE

Airbus tests loading system for outsized military cargo on Beluga

Airbus Defence and Space has developed and tested a loading system to lift outsized military cargo into the Airbus Beluga A300-600ST aircraft. The capability was successfully tested during a verification exercise with the German armed forces, the system's first customer, by loading a CH53 military medium-lift helicopter into the Beluga.



Lifting of a CH53 military medium-lift helicopter into the Beluga Photo: Airbus

The new self-funded cargo loading system and jig, developed by engineers at Airbus Defence and Space, have now been unveiled to customer representatives from international armed forces following the verification event in Manching, north of Munich. The system was developed and manufactured from scratch in 18 months – from the initial exchange of ideas with the German customer to its verification, which is still subject to final confirmation by the Bundeswehr in the coming weeks. The system enables arrangements for the loading of a CH53 helicopter in a reduced state of dismantling to be completed within less than 190 minutes while the actual loading process into the Beluga aircraft can be accomplished in about an hour. The total lifting capacity of the system, which requires no crane for its use, reaches 35 tonnes and can be relocated to the aircraft's destination. Prior to announcing plans to offer the services of its existing BelugaST fleet earlier this year, the fleet of five aircraft was solely used for the transport of large aircraft sections between various Airbus sites as part of the company's production system. With the advent of the new BelugaXL, based on the larger A330-200 platform, the existing BelugaST fleet is made ready for customer transport services worldwide.

Embraer and GMV sign MoU for technological development



A-29 Super Tucano Photo: Embraer

Embraer and GMV in Portugal, have signed a Memorandum of Understanding (MoU) for a cooperation in the field of systems development and integration for defence products and services, mainly regarding the A-29 Super Tucano aircraft programme. The MoU also includes a potential joint research, technology development and innovation process, intending to extend and increase long-term business relations between the companies during the concept, design, development, production and support phases.

New businesses, development and integration of navigation systems, integrated modular avionics (IMA) development and software development are also under discussion between the two companies, which intend to exchange and disclose certain information regarding their experiences, capabilities, products, systems and services. In the specific area of R&D focused on IMA, the relationship has been ongoing for more than 15 years, including projects under the scope of the European Union's research framework. Embraer has a long-term strategic commitment with Portugal in the development of its aerospace and defence ecosystem. It remains the country where the company continues its most significant industrial capacity investment outside of Brazil.

MRO & PRODUCTION NEWS

parts' shortages would remain "largely through the end of 2023", according to a recently published Jefferies poll. Prior to 2025 Airbus is looking to ramp up production numbers to 65 units a month in 2023 for narrow-body jets, though the time period to reach this target has been postponed until early 2024. While increasing numbers of suppliers sound the alarm over parts and labour shortages, Airbus has privately recognised the challenges of reaching the higher target by 2025 even as it sticks firmly to an earlier goal of 65 a month, up from 50 or so now, it said. Requests for detailed plans of how suppliers will get to 75 are "going quiet," a senior aerospace source told Reuters news agency. The head of Raytheon Technologies, the world's largest aerospace supplier, Chief Executive Greg Hayes, called into question this end-target last week. "If you take a look at the projections for Airbus, we think that Airbus by 2025 will be at rate 65 (a month). And Guillaume (Faury) might say rate 75, but we think rate 65 is doable," he told a Morgan Stanley conference. Back in July, Airbus upped its forecast numbers for jet deliveries over the next 20 years as high fuel bills and environmental pressures prompt airlines to seek more fuel-efficient planes. Industry sources say the company is also under pressure to raise output to reduce a bulge of orders in the middle of the decade after multiple airlines deferred deliveries during COVID-19. An Airbus spokesperson said on Wednesday the company's production decisions follow "analysis of global demand and an assessment of the readiness of the industrial eco-system".

MILITARY AND DEFENCE

Boeing, Red 6 to advance fighter pilot training with augmented reality

Boeing and augmented reality developer Red 6 have announced that they are collaborating to develop leading-edge aerial dogfighting technology and training in advanced tactical aircraft. Boeing is the first company to team with Red 6 on this type of advanced training technology. The joint agreement sets the stage for future integration of Red 6's advanced tactical augmented reality system (ATARS), and augmented reality command and analytic data environment (ARCADE) into Boeing manufactured next-generation aircraft. The T-7 and F-15EX platforms could be among the first to receive ATARS and ARCADE. Using the system, pilots will be able to see and interact with augmented reality aircraft, targets and threats on the ground or in the air while flying and training in their actual aircraft, reducing the cost of and need for multiple platforms and 'real world training exercises.' "We continue to revolutionize the way we train and fight. Red 6's augmented reality system with the pathfinding T-7 and the F-15EX represents another transformational leap in capability. This agreement is the latest example of Boeing's commitment to investing in technology and our drive to lead innovation in the aerospace and defence sectors," said Dan Gillian, Vice President and General Manager of U.S. Government Services for Boeing Global Services. According to Red 6, ATARS enables a multitude of tactical training scenarios delivered through augmented reality. These include air combat manoeuvres, refuelling, tactical formation and surface-to-air weapon engagements. ARCADE increases the efficiency of mission planning, briefing and debriefing through real-time 3-D visualisations to construct and re-construct sorties



Boeing will team with Red 6 on advanced training technology
Photo: Boeing

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INFORMATION TECHNOLOGY



Air Greenland

Photo: AirTeamImages

fixed-wing aircraft. The implementation project is in full swing with workshops and training being delivered both on-line and on-site. While the project started during the pandemic and all services from **Swiss-AS** had to be performed online, on-site travel is now possible again to the benefit of both, Swiss-AS and Air Greenland. Flexibility, creativity, and the lessons learnt from the beginning of the pandemic ensured that the travel ban did not block the implementation progress. With the AMOS Airline Edition, Air Greenland will perform most of its maintenance in house and rely on the industry best practice processes that come with the MRO software. AMOSmobile/EXEC is also in the scope of the project and will complete the AMOS user experience in the hangar.

Air Greenland, the state-owned flag carrier airline of Greenland, was ready for a change in its MRO software as the legacy software was no longer in the position to support today's airline maintenance requirements. Among others, the airline was looking for fully integrated end-to-end support for all processes for fixed- and rotary-wing aircraft combined with the capability to support a paperless operation. The operation of its aircraft is far from standard, the mixed fleet brings a mixed utilisation with its own challenges. A combination of scheduled, charter medical and SAR flights have to be accommodated when managing all ground activities and supporting business areas. With these requirements in mind, Air Greenland started an in-depth selection process to get a clear picture of the capabilities and gaps on the available software solutions. AMOS was able to convince the project team by ticking off the requirements and having a proven track record of successful implementations around the world for helicopters as well as

OTHER NEWS

Canada Jetlines, the new, all-Canadian leisure airline, has signed a worldwide distribution agreement with **Sabre**, the leading software and technology company that powers the global travel industry. This new long-term agreement ensures that Sabre will distribute the carrier's comprehensive content for travel agencies and corporations through the Sabre travel marketplace (GDS), supporting Canada Jetlines in powering future revenue growth while reaching key market segments associated with the GDS. Canada Jetlines will leverage Sabre's ancillary services to provide travel agencies around the world with access to the airline's complete range of travel products, including fares and seat availability. The Sabre travel marketplace is instrumental in facilitating the marketing, sale and servicing of airfares, hotel rooms, rental cars, rail tickets and other types of travel to buyers around the world who use it to shop, book and manage travel. Canada Jetlines will begin operations out of its travel hub at Toronto Pearson International Airport (YYZ), with its first scheduled route

The **European Aviation Safety Agency**, EASA, has approved the processes of **Wizz Air** to use the electronic Technical Logbook (eTLB) of **AVIATAR** in daily operations. In the three months since the fleet-wide roll-out on more than 140 aircraft registered in Hungary, paperless operation proved to be stable with the new seamless digital pilot-to-maintenance collaboration application. The assumed reductions have already materialised in terms of Wizz Air's Maintenance Control Centre calls have dropped by more than 25%, proving the enormous impact of the application in the daily operational life of pilots and maintenance crews. AVIATAR's Technical Logbook offers prefilled text blocks and automated input masks. This enables pilots to record technical issues of the aircraft in real time, which are synchronised when an internet connection is available. It therefore reduces manual effort by up to 50% and improves data quality as well as transparency. The new solution works with any hardware device (e.g., tablet, smartphone or desktop computer) and provides pilots with access to aircraft status anywhere and anytime. It also offers back-up processes in case of connectivity issues. Real-time data availability, directly connected with the M&E system (maintenance and engineering system), ensures maintenance on arrival and enables a seamless pilot-to-maintenance collaboration – leading to decreased turnaround times and reduced costs. On average, thanks to the implementation of the Technical Logbook, closing time of defects can be halved.



Wizz Air Technical logbook cockpit

Photo: LHT

OTHER NEWS



New low-cost carrier Arajet takes off

Photo: AirTeamImages

Newly launched **Araj** is the Dominican Republic and Caribbean’s first ultra-low-cost airline and is based in the capital, Santo Domingo, on the south-western side of the island. The flag-carrying airline will serve 22 destinations in 12 countries over the upcoming months, expanding its operations later this month with the addition of routes to Saint Maarten in the Caribbean, Lima in Peru, Mexico City, Monterrey and Cancun in Mexico and Guatemala City in Guatemala. In October, Arajet will add Curaçao, San José in Costa Rica, Quito and Guayaquil in Ecuador, Medellín and Bogotá in Colombia as well as destinations in North America. The carrier’s first official flight was to San Salvador in El Salvador on September 17, having successfully completed trial runs to Barranquilla and Cali in Colombia and also to Aruba in the prior two days. Over the next five years Arajet plans to transport more than 7 million passengers, generating more than 4,000 direct and close to 40,000 indirect jobs in the region. Arajet has already taken delivery of five out of eight direct leases of new Boeing 737 MAX aircraft and has a direct order for 20 new Boeing 737 MAX jets. The carrier will continue to grow and invest in its fleet with 15 additional options to be delivered over the next five years. “The 737 MAX family of airplanes is well suited to Arajet’s network with the 737-8 enabling profitable new routes and the 737-8-200 providing unrivalled efficiencies,” said Ihssane Mounir, Boeing senior vice president of Commercial Sales and Marketing.

into YYC Calgary International Airport on September 22, 2022.

Boeing has announced that as part of its corporate structure simplification programme and its decision to focus more on manufacturing and product development, numerous jobs in both the IT and finance sectors are to be shed. This year 150 jobs are due to be cut in the United States in the finance sector. This move is in contrast to major recruitment programmes which have seen 10,000 employees added to the engineering and production workforce.

After more than two years of intensive negotiations, **Swiss International Air Lines** (SWISS) and the **Aeropers** pilots’ association

have been unable to reach agreement on a new collective labour agreement for the company’s cockpit personnel. SWISS remains firmly committed to its social partnership and is convinced that a joint solution can still be found in the spirit of Swiss compromise, particularly since both parties continue to assert their openness to further negotiations. A joint solution of this kind would provide stability for SWISS’ pilots, the company and its customers. In view of this, and in the interests of maintaining an effective social partnership in the longer term, SWISS has proposed to Aeropers that the issue be referred to extrajudicial mediation. The approach would be aimed at developing a non-binding recommendation over the next few weeks which pays due and full regard to both parties’ interests.

INDUSTRY PEOPLE



Vince Ruscitti

• West Star Aviation has named **Vince Ruscitti** as Program Manager for Government Affairs. He will be responsible for building and leading the government projects aircraft maintenance programme at the Cahokia, IL hangar and will serve as the primary point of contact to manage all aspects of aircraft maintenance, repair and delivery. Ruscitti has over 38 years of experience in the aviation industry with his B.S. degree in Business Administration from Alameda College, an A.A. degree in Aviation Technology from the University of Phoenix and a master certificate in Organizational Leadership and Business Analysis as well as a Six Sigma Green Belt from Villanova University. Vince also has active U.S. Government secret clearance.



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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
A319-112	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	Doric	Trent 772B-60/16	1407	2013	Q4/2022	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
A330-300	ALTAVAIR	PW4168A	333	2000	Q4/2022	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
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
B737-900	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	35717	2007	Now	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
(6) B777-300ER	ALTAVAIR	GE90-115B	various	12-13	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

AE3007 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) AE3007A1E	Now - Lease	Aircraft and Engine Lease Corp.		fleetmanager@aelc.aero	
CF34 Engines	Sale / Lease	Company	Contact	Email	Phone
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3A	Now - Sale / Lease				
(2) CF34-10E6	Full QEC	DASI	Joe Hutchings	joe.hutchings@dasi.com	+ 1 954-478-7195
(1) CF34-10E5A1	Full QEC				
(4) CF34-10E6	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
(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@ftaiaaviation.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
(2) CFM56-7B24/E	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(1) CFM56-5C4/P	Now - Lease				
(1) CFM56-7B26/3	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(2) CFM56-5C4	Now - Lease				
(2) 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				
(1) CFM56-5A3	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)1357 521144
(1) CFM56-5B2/P	Now - Sale/Lease/Exch.	Contrail Aviation Support	Mark Shaw	mark@contrail.com	+33 6 5834 1965
(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	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-7B22/3	Now - Lease				
(1) CFM56-5B3/P	Now - Sale	FL Technics	Modestas Valiusevicius	m.valiusevicius@fltechnics.com	+370 5 252 5015
(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-1A35	Sep-15-2022 - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) LEAP-1A28	Sep-15-2022 - Lease				
(1) LEAP-1A32	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW4168	Now - Sale / Lease	Castlelake	Graeme Dodd	Graeme.dodd@castlelake.com	+44 207 190 6138
(2) PW4168A	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
(2) PW4168A	Q4/2022 - Sale	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease				
PW124B	Now - Lease				
PW123B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW150A	Now - Lease				
PW127M	Now - Lease				
PW150A RGB	Now - Lease				

THE AIRCRAFT AND ENGINE MARKETPLACE

PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW123	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(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.				
(4) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) 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				
(4) V2527-A5	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) GTCP331-500B	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules					
(2) GTCP331-200ER, (2) GTCP131-9A,	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) GTCP131-9B					
(1) A321 Enhanced Landing Gear 2020 OH					
(2) A320, (2) A330, (1) A340 Landing Gear Shipsets		GA Telesis		landinggearsales@gatelesis.com	
(1) A320 ENH NLG					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(1) RE220, (1) APS3200, (1) GTCP131-9A	Now - Sale / Lease	Magellan Aviation Group	Drew Megorden	drew.megorden@magellangroup.net	+1 704-340-0273
(1) GTCP131-9B, (1) GTCP331-500B	Now - Sale / Lease				
(1) GTCP331-500B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(2) APS2300, (1) GTCP131-9B	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
(1) APS3200					
((1) GTCP331-200ER, (2) RE220RJ	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 954-683-1893
(2) GTCP36-150RJ					
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(1) GTCP131-9A, (3) GTCP131-9B		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(2) GTCP331-350, (2) GTCP331-500, (1) APS3200B, (2) APS3200C					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000					
(3) APU GTC131-9B, (1) GTCP331-500B	Now - Sale / Lease	Willis Lease	Gavin Connolly	gconnolly@willislease.com	+44 1656 765 256
Engine stands now available					
(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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