

Weekly Aviation Headline News

WORLD NEWS

British Airways and Qatar extend partnership

British Airways and Qatar Airways are extending their Joint Business Partnership offering more destinations and routing options. The news follows British Airways' return to Doha, with its first flight from Gatwick since the start of the pandemic. This winter, the two airlines are operating up to six daily flights to Doha from London Heathrow and London Gatwick. The airlines expect to receive news of any relevant regulatory approvals of their expanded Joint Business proposition in the first half of 2022.

Eastern Airways debuts its Cornwall to London service

UK regional airline Eastern Airways celebrated its inaugural Cornwall Newquay – London Gatwick route recently. The service was operated with one of Eastern's ATR72-600 turboprop aircraft, fuelled with sustainable aviation fuel (SAF) supplied by Air bp. The airline underlined its commitment to reduce carbon emissions, backing calls for closer collaborative work between industry and government to lower the cost and widen availability of SAF.

KLM Group chooses Airbus A320neo for fleet renewal

KLM announced it has opted for the Airbus A320neo family, taking a crucial step forward in its fleet renewal. The KLM Group's order forms part of a memorandum of understanding that the Air France-KLM Group has signed for a total of 100 aircraft from the A320neo family, plus an option for 60 additional aircraft. These aircraft will be deployed across the KLM, Transavia Netherlands and Transavia France fleets.



Ryanair is making additional investment in MRO services.

Photo: Ryanair

Ryanair brings expanded maintenance to Spain

Investing an additional €30m in the region

European LCC Ryanair has reported the opening of a newly expanded maintenance facility at Seville Airport in Spain, delivering further investment in the region and creating 250 high-skilled jobs, including licensed engineers, mechanics and support staff – bringing Ryanair's local headcount to 500 by 2023.

Ryanair said it has invested over €30 million in this state-of-art 5-bay maintenance facility (20,000m²) since it first opened in 2019. The low-cost-carrier states that the Seville line maintenance station is one

of the most environmentally friendly facilities in the world and will maintain a substantial portion of Ryanair's fleet of

“Seville is an ideal location with endless opportunities to attract, train and employ local talent to support this facility.”

Ryanair CEO Eddie Wilson

aircraft, which will grow to 600 aircraft by 2026.

With over 2,500 engineers across Europe, Ryanair Line Maintenance Engineering is responsible for all aircraft

maintenance activities.

Ryanair's Eddie Wilson said: “As the largest airline in Spain, Ryanair is delighted to open its expanded maintenance centre in Seville, which brings its total investment to €30m and 500 jobs, underlining Ryanair's ongoing commitment to Spain and the Andalucía region. This state-of-the-art facility is a world class environmentally friendly facility as Ryanair continues to lower CO2 emissions as Europe's greenest airline.

“Ryanair creates opportunities

Continued on page 3





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for highly skilled engineering jobs, with our industry leading rosters and the youngest fleet in Europe. Seville is an ideal location with endless opportunities to attract, train and employ local talent to support this facility.”

“With this state-of-art facility and 4 based

aircraft for Summer 22 delivering 53 routes to 13 countries, Ryanair is supporting and positioning Seville for a strong recovery, and we look forward to further growing local tourism, traffic and jobs.”

Ryanair said it has carried over 22 million passengers to and from Seville since its

operations began in 2003 and has played a vital role in Seville and Andalucía’s traffic and tourism recovery post COVID. Ryanair has also announced its full Summer 22 schedule from Seville delivering 53 routes, including 7 new summer routes.

AIRCRAFT & ENGINE NEWS

United Airlines to invest in zero-emission engines for regional aircraft

On December 13, United Airlines (United) became the largest airline to invest in zero-emission, hydrogen-electric engines for regional aircraft, the latest move toward achieving its goal to be 100% green by reducing its GHG emissions by 100% by 2050, without relying on traditional carbon offsets. Through a new equity stake in ZeroAvia, a leading company focused on hydrogen-electric aviation solutions, United expects to buy up to 100 of the company’s new zero-emission, 100% hydrogen-electric engines (ZA2000-RJ). The engine could be retrofitted to existing United Express aircraft as early as 2028. One potential use is on United’s unique CRJ-550, the only 50-seat aircraft which offers first-class and other premium amenities. Hydrogen-electric engines use electricity created by a chemical reaction in a fuel cell to power an electric motor instead of burning fossil fuel. Because no fuel is burned, there are no climate-harming emissions nor carbon released into the atmosphere when the engines are operated. The ZA2000-RJ is expected to be used in pairs as a new power

Orders and deliveries – Boeing and Airbus

Airbus v Boeing: Orders and Deliveries

November 2021 YTD

Airbus			Boeing		
Type	Orders	Deliveries	Type	Orders	Deliveries
A220	20	43	737	314	230
A320 Family	325	417	747	2	6
A330	25	16	767	46	30
A350	-2	39	777	49	22
A380	0	3	787	-11	14
Total	368	518	Total	400	302

Source: Airbus

Source: Boeing

Airbus generated 318 orders in November and delivered 58 aircraft to 34 operators. Meanwhile, Boeing recorded 109 orders - all for 737MAXs and delivered 34 aircraft including 10 737MAXs to Ryanair.

source for existing regional aircraft. Under the agreement with United Airlines Ventures, United will pursue a conditional purchase agreement for 50 ZeroAvia ZA2000-RJ engines,

with an option for 50 more, enough for up to 50 twin-engine aircraft which would be operated by United Express partners once they are fully developed and certified by regulators.



New equity stake in hydrogen-electric engine developer ZeroAvia gives United the ability to purchase up to 100 zero-emission, 100% hydrogen engines

Photo: United Airlines

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AIRCRAFT & ENGINE NEWS

Newly launched ACJ TwoTwenty completes first flight

The ACJ TwoTwenty, launched just over a year ago, completed its first flight from Montréal–Mirabel International Airport in Canada on December 14, 2021. The aircraft will be delivered to Comlux in the coming weeks and then outfitted with a VVIP cabin by Comlux in Indianapolis, USA, after the delivery. Comlux has been selected as an exclusive outfitting partner for the first 15 ACJ TwoTwenty aircraft.

The ACJ TwoTwenty is a new value proposition to business aviation buyers. The innovative solution combines intercontinental range enabling the aircraft to fly up to 5,650 nm/10,500 km (over 12 flight hours), unmatched personal space providing comfort for each passenger with 73m²/785 ft² of floor space.

The ACJ TwoTwenty business jet features six wide VIP living areas of around 12m²/130 ft² each and is equipped with a signature flexible cabin catalogue. This fully completed aircraft is ideal for private and business jet users.



The first ACJ TwoTwenty jet takes off from Montréal–Mirabel International Airport

Photo: Airbus

CDB Aviation signs lease agreements for five A320neo aircraft with Avianca



Photo: CDB Aviation has signed lease agreements for five A320neo aircraft with Avianca

CDB Aviation, a wholly owned Irish subsidiary of China Development Bank Financial Leasing (CDB Leasing), has signed international aircraft lease agreements with Colombia's flag carrier Aerolíneas del Continente Americano S.A. Avianca (Avianca) for a fleet of five Airbus A320neo aircraft. With deliveries from the lessor's order book planned for 2022 and 2023, the aircraft are leased on a long-term basis and configured with three different seat types: Premium, Plus and Economy seats.

Bavaria orders eight five-bladed H145s for its police force

The Ministry of Interior of Bavaria has ordered eight five-bladed Airbus H145 helicopters for its police force, following a European tender launched earlier this year. The helicopters will replace the state's current H135 fleet and will be operated by the two bases of the Bavarian helicopters squadron at the airports in Munich and in Roth, close to Nuremberg. The first delivery is planned for 2023. The new version of Airbus' H145 light twin-engine helicopter was unveiled at Heli-Expo 2019 in Atlanta. This latest upgrade adds a new, innovative five-bladed rotor to the multi-mission H145, increasing the useful load of the helicopter by 150 kg. The simplicity of the new bearing-less main rotor design will also ease maintenance operations, further improving the benchmark serviceability and reliability of the H145, while improving ride comfort for both passengers and crew.



The Bavarian police force will receive eight five-bladed Airbus H145 helicopters

Photo: Airbus

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AIRCRAFT & ENGINE NEWS

Qantas selects Airbus as preferred aircraft for domestic fleet renewal

Qantas has selected the Airbus A320neo and Airbus A220 families as the preferred aircraft for the long-term renewal of its domestic narrow-body fleet. A firm commitment for 40 aircraft – 20 A321XLR (extra long-range) and 20 A220 aircraft – is expected to be placed with Airbus by the end of FY22, following discussions with employees about arrangements to operate the new aircraft types and a final decision by the Qantas Board. Qantas will also have a further 94 purchase right options on aircraft over a ten-plus year delivery window as its existing Boeing 737-800s and 717s are gradually phased out. The order is in addition to Jetstar's existing agreement with Airbus for over 100 aircraft in the A320neo family. Part of this new deal includes combining these two orders so that the Group can draw down on a total of 299 deliveries across both the A320 and A220 families as needed over the next decade and beyond for Qantas, QantasLink and Jetstar. This announcement follows a detailed review by the airline's engineering, flight operations, customer experience, network, fleet procurement and finance teams. The airline conducted detailed evaluation of the A320neo and B737 MAX families as well as the smaller A220 and Embraer E190/195-E2s.



Qantas will place orders for 20 A321XLR and 20 A220 aircraft

Photo: Airbus A220

ATR receives EASA approval for extension of type C maintenance visit intervals by 60%



ATR has received EASA approval to extend intervals between Type C maintenance checks from 5,000 to 8,000 flight hours

Photo: ATR

Regional aircraft manufacturer ATR has received approval from the EASA to extend the intervals between Type C maintenance checks from 5,000 to 8,000 flight hours for all of its aircraft series. Through this 60% increase in intervals, ATR operators will benefit from a significant reduction in aircraft maintenance costs and increased availability. With a global fleet of over 1,200 aircraft, flown by 200 operators in 100 countries, ATR is constantly looking for ways to reduce direct maintenance costs and increase revenue potential for its customers. In February 2019, ATR had already received certification from EASA to extend the intervals between Type A

maintenance checks from 500 to 750 hours for all of its aircraft series. More recently, in November 2021, the manufacturer set a new standard in operating economics for regional aviation with the introduction of its new PW127XT engine series as the standard engine for the ATR 72 and 42 aircraft. ATR's customers will benefit from 40% extended time on wing, bringing the engine overhaul to 20,000 hours, resulting in fewer events over the lifecycle of the aircraft. This will allow a 20% reduction in engine maintenance costs.

AIRCRAFT & ENGINE NEWS

AviaAM Leasing continues strengthening its presence in air cargo market through (P2F) conversion project



AviaAM Leasing continues its complex Passenger-to-Freighter (P2F) conversion project

AviaAM Leasing, a global aviation holding company engaged in tailored aircraft leasing and trading services, continues its complex Passenger-to-Freighter (P2F) conversion project. The ongoing P2F conversion project was the first of its kind for the company, with the first Boeing 737-800 for conversion acquired by AviaAM Leasing in March 2021. Now the company continues moving forward to its commitment of having 25 converted aircraft of different types in the upcoming four years. Recently, the P2F conversion of the second B737-800 aircraft was completed by the Guangzhou Aircraft Maintenance Engineering Company (GAMECO) facility in Guangzhou, China. The aircraft was ferried to FL Technics' Kaunas facilities for further maintenance and painting in the lessee's corporate livery. The 737-800BCF (Boeing Converted Freighter) will join the fleet of Bluebird Nordic – a rapidly growing Iceland-based cargo airline, offering ACMI and full-service Cargo services. The third B737-800 aircraft is being converted to freighter configuration by Boeing at the Taikoo (Shandong) Aircraft Engineering (STAECO) facility in Jinan (TNA), China with re-delivery expected by the end of December this year.

Singapore Airlines becomes first airline to buy the Airbus A350F

Singapore Airlines has branched out into the world of freighters with a deal to acquire seven of the world's newest freighter, the Airbus A350F. This is a significant breakthrough into a niche market dominated by rival planemaker Boeing. The fourth quarter of 2025 will be the date for commencement of deliveries, though it should be noted that this order has been made on the basis that Singapore Airlines can swap the A350Fs for the 15 A320 neos and two A350-900s that are currently on order. Ordinarily Airbus would look to delay delivery of previously ordered aircraft but see the swap as being more beneficial as this is a 'big name' endorsement of the A350F. Additionally, while Airbus is unlikely to have any difficulty in finding a buyer for the 15 A320 neos, the sale of seven A350 variants will be a fillip to the struggling wide-body production. It is looking very likely that Qatar Airways, which had shown strong interest in the A350 freighter variant, will now be placing an order for between 34 and 35 Boeing 777X freighters after problems of erosion to the surface of existing Airbus jets remain unresolved and the dispute has now been put in the hands of lawyers. Singapore Airlines said its seven new A350 freighters, along with options for another five, would replace its own fleet of seven ageing Boeing 747 freighters and reduce carbon emissions. Singapore Airlines is the A350F freighter's third customer with lessor Air Lease Corp and French cargo company CMA CGM placing orders.



Singapore Airlines has selected the world's newest freighter - the A350F

Photo: Airbus

MRO & PRODUCTION NEWS

Airbus to develop new hydrogen technologies in Spain

Airbus is increasing its presence in Spain with the launch of an Airbus UpNext entity, a wholly owned innovation subsidiary, and a Zero Emission Development Centre (ZEDC) for hydrogen technologies. This complements Airbus' existing footprint in Spain and reaffirms Airbus' commitment to remain a strong player in the Spanish aerospace ecosystem. Airbus has long been a pioneer in composite technologies in Spain, both in materials and manufacturing processes. The Airbus UpNext entity will initially be accountable for the study and demonstration of hydrogen-powered non-propulsive energies as well as future tanking operations ap-



ZEROe concept aircraft formation flight

Photo: Airbus

plying advancements in vision-based technology. This new presence will leverage the expertise of Airbus Commercial Aircraft, Airbus Helicopters and Airbus Defence and Space in Spain. Airbus UpNext gives future technologies a development fast-track by building demonstrators at speed and scale. This entails the sourcing of new talent and suppliers in order to evaluate, mature and validate potential innovative products and services that encompass radical technological breakthroughs. The ZEDC follows the opening of two other ZEDCs in June this year at Airbus sites in Bremen, Germany and Nantes, France. The focus of the Spanish ZEDC is non-propulsive energy, systems for fuel cell cooling and fibre optics, as well as carbon fibre tanks for storing cryogenic liquid hydrogen. The tank development is done in a coordinated approach with the other Airbus national entities. These technologies are critical to fuel a future zero-emission aircraft, supporting the goal of an entry-into-service by 2035.

CTT receives anti-fuselage-condensation system order from Pobeda Airlines



Pobeda Boeing 737 aircraft equipped with CTT's anti condensation system

Photo: CTT

CTT Systems AB (CTT), a market leader of aircraft humidity control systems, has received an anti-fuselage-condensation system order from Pobeda Airlines (Pobeda), a low-cost carrier in the Aeroflot group, for retrofit installation in 20 Boeing Next Generation 737-800 aircraft. Based on list price, the order value is approx. 14million SEK (£1.12 million). Deliveries are scheduled to begin in Q1 2022 and will be completed during 2022. The CTT anti-fuselage-condensation system removes trapped water in blankets, keeps the crown area dry and prevents unwanted excess weight caused by water accumulation. This enables airlines to operate with lower energy needs and less pollutant emissions. Pobeda has installed and ordered CTT's anti-fuselage-condensation system across its entire aircraft fleet. With this order, Pobeda will operate 64 moisture-protected Boeing Next Generation 737-800 aircraft.

FINANCIAL NEWS

Delta Air Lines will make investments in Virgin Atlantic, Aeromexico and LATAM

Delta Air Lines will make investments in Virgin Atlantic, Aeromexico and LATAM as the partner airlines transform their businesses to emerge from the global pandemic stronger and more resilient. Prior to the pandemic, Delta was achieving record international growth attributed to a combination of organic growth and its global partner network. Over the past ten years, Delta has built industry-leading partnerships with flagship airlines across Europe, Asia and Latin America. As international travel demand returns, the connectivity, relevance and breadth of Delta's global network with its partners remains critical to continuing this success. Delta is investing in Virgin Atlantic, Aeromexico and LATAM as each carrier emerges from restructuring or recapitalisation. Upon completion of their respective processes, Delta is targeting a 20% equity stake in Aeromexico and a 10% equity stake in LATAM. In addition, Delta will maintain its 49% equity stake in Virgin Atlantic. The airline's investment in these carriers will be approximately US\$1.2 billion. With new wide-body aircraft on the way, record hiring and significant investments in international readiness, Delta is positioned to lead the industry through the ongoing recovery. Delta's partnerships with Virgin Atlantic, Aeromexico and LATAM expand that growth potential, helping to fuel route additions, customer connectivity and associated job creations.

JSSI accelerates digital strategy with TRAXXALL acquisition

Jet Support Services, Inc. (JSSI), an independent provider of maintenance support and financial services to the business aviation industry, has announced the acquisition of TRAXXALL. Founded in 2013, TRAXXALL provides software-as-a-service (SaaS) solutions for aircraft maintenance tracking, parts inventory management and cloud-based software to enhance aircraft maintenance, repair and overhaul workflow. Headquartered in Montreal, Canada, TRAXXALL has offices around the world. TRAXXALL has quickly emerged as a significant player in the maintenance tracking market. TRAXXALL delivers software to help customers reduce aircraft downtime, improve data accuracy and have comprehensive visibility over maintenance costs, parts inventory and MRO operations. TRAXXALL's global team will join JSSI's growing SaaS division, which comprises previous acquisition SierraTrax, reporting to Ash Reddy, recently promoted to the position of Chief Operating Officer at JSSI.

MRO & PRODUCTION NEWS

RBI Hawker Australia appointed rotor blade repair service centre for Leonardo Helicopters



Photo: RB Hawker Australia, rotor blade repair service centre for Leonardo Helicopters

RBI Hawker Australia has been appointed a rotor blade repair service centre for Leonardo Helicopters. The Brisbane-based facility has been operating in Australia since receiving its Part 145 maintenance organisation approval from the Australian Civil Aviation Safety Authority (CASA) in June 2021. It was appointed a customer service facility for Bell in July 2021. With this latest approval, RBI Hawker Australia is authorised to offer OEM-approved helicopter rotor blade repair services to Leonardo AW139 and AW109 models from its 1,000 m² maintenance facility in Eagle Farm, Brisbane. RBI Hawker has been providing maintenance support to both commercial and military helicopter operators in the Middle East, Africa, Asia, Eastern Europe and wider regions from Dubai since 2005. It is the authorized Bell CSF and Leonardo Service Center with an extensive OEM-approved standard and expanded repair portfolio.

First Airbus A321neoLR for the German Air Force arrives at Lufthansa Technik



The first A321neoLR from the German Air Force has arrived for cabin conversion at Lufthansa Technik
Photo: Lufthansa Technik

The first of two Airbus A321neoLRs (Long-Range) for the German Air Force arrived at Lufthansa Technik in Hamburg on December 9. The aircraft bears the military registration 15+10. Its sister aircraft 15+11 will follow in the coming weeks. This marks the start of the cabin conversion of the two aircraft, carried out by the Original Equipment & Special Aircraft Services business unit, for various mission types such as troop transport, parliamentary flight operations and a MedEvac (medical evacuation) role. Delivery of the converted aircraft is scheduled for the second half of 2022. With the Airbus A321neoLR, the German Air Force will receive a future-proof, modern passenger aircraft which can be deployed on short-, medium- and long-haul flights. With the installations made by Lufthansa Technik, the aircraft can be used in four different interior configurations. The passenger transport capacity ranges up to 136 people. Furthermore, either the transport of up to six intensive care patients or the transport of up to 12 slightly or moderately ill/injured patients as well as various mixed configurations for patient transport is possible. Lufthansa Technik will therefore supply twelve Patient Transport Units (PTUs) as well as two reserve units required for the MedEvac role to the German Armed Forces.

FINANCIAL NEWS

ASI Aero forms joint venture with initial investment of US\$32 million

Aeronautical Support International (ASI Aero) has announced the formation of Team Aero Partners to target investments in aviation commercial assets to support the Used Serviceable Material (USM) and "Green-Time" aircraft engine leasing markets. ASI Aero entered into this joint venture agreement with a New York-based private capital partner. As the operating member, ASI Aero will source engine assets for the joint venture and subsequently manage these assets through consignment programmes. Team Aero Partners will initially dedicate US\$32 million (£24 million) to the venture. "This is a great opportunity for ASI Aero to increase our inventory and to support our Airline and MRO customers around the world as the market returns to pre-Covid levels. This also makes other pools of capital available to expand and to diversify our business," said ASI Aero President, Dean Morgan.

IGAG steps back from current Air Europa acquisition to assess options

With every indication that European competition regulators would likely veto the takeover of Air Europa by IAG, IAG has opted to withdraw from current negotiations to assess the potential for some form of future tie-up. IAG owns multiple airlines including Spanish carriers Iberia, Vueling and Level. Indications are that European regulators were concerned that the takeover of Air Europa by IAG would have a damaging effect on competition in the Spanish domestic market and also international routes to the country. Air Europa, which is owned by Spanish company Globalia provides connections to Latin American countries as well as flying to European destinations. The acquisition of the Spanish carrier was intended to help IAG's hub in Madrid to compete more successfully against European competitors. This move by IAG comes after a recent renegotiation on the originally agreed acquisition price as a consequence of the effects of the global pandemic on air travel. IAG had reduced its offer for Air Europa by 50% to €500 million (£423.7 million) and also required deferment of the payment for six years. IAG had done its best to counteract the concerns of competition regulators by foregoing 13 short-and medium-haul routes and two long-haul routes at Barcelona and Madrid airports, but this was understood to be insufficient to allay their concerns. Indications are that in walking away from the table prior to an official rejection from competition regulators of the proposed takeover, this will leave IAG in a stronger position should it come up with an alternative proposition.

MRO & PRODUCTION NEWS

RECARO Aircraft Seating SL3710 economy-class seat takes off on Cebu Pacific Air's first Airbus A330neo



Cebu Pacific SL3710 economy class seat yellow Photo: Recaro

Recaro Aircraft Seating's (Recaro) SL3710 seats are taking off on Cebu Pacific Air's (Cebu Pacific) first Airbus A330neo. Through the end of 2025, a total of 16 A330neo aircraft will be delivered to the Philippines-based airline, with 459 pax of the SL3710 installed on each aircraft. The Cebu Pacific A330neo has a very unique layout with a high-density seating arrangement, which enables Cebu Pacific to serve nearly 500 economy-class passengers each flight. Recaro collaborated closely with Cebu Pacific for this product launch. The Recaro SL3710 provides more space

through the slim design and pre-recline, more freedom of movement and thus more comfort. The seat follows the successful SL3510 and is equipped with a USB charging outlet for each passenger to accommodate the use of using personal electronic devices onboard.

MILITARY AND DEFENCE

Finland orders 64 F-35A multirole stealth fighters for its air force



Finland has selected the F-35 Lightning II as its next fighter

Photo: Lockheed Martin

The Finnish government has placed an order with Lockheed Martin for the purchase of 64 fifth-generation F-35 Lightning II multirole stealth fighters. The 64 fighters will come with a robust weapons package, a sustainment solution tailored to Finland's unique security of supply requirements, as well as a comprehensive training programme. The F35 is the most advanced, survivable and connected fighter aircraft, giving pilots an advantage against any adversary. Its interoperability will facilitate seamless information exchanges with surface and air platforms, strengthening interoperability between the different branches of the Finnish defence forces. Additionally, the F-35 will deliver economic and technical advantages to Finland for decades to come. Finnish industry will have many first-of-a-kind opportunities to work directly on F-35 production and sustainment. Through indirect industrial participation projects outside of F-35 production, Lockheed Martin will build industry partnerships with Finnish companies and academic institutions that offer opportunities focused on developing and advancing security partnerships far into the future. To date, the F-35 operates from 21 bases worldwide, with nine nations operating F-35s on their home soil. There are more than 730 F-35s in service today, with more than 1,535 pilots and 11,500 maintainers trained on the aircraft.

MILITARY AND DEFENCE

AAR awarded ten-year USAFE F-16 depot-level maintenance and modification contract

AAR has been awarded a ten-year US\$365 million firm fixed-price, indefinite delivery – indefinite quantity contract with the Air Force Life Cycle Management Center to support United States Air Forces in Europe (USAFE) F-16 aircraft. AAR will provide aircraft depot-level maintenance and repair primarily for F-16 aircraft allocated to USAFE and to support possible overflow requirements for all USAF F-16 aircraft. Additionally, AAR will send Contractor Field Teams (CFT) to perform depot-level repairs on any F-16 aircraft at any location on an as-needed basis. Work will include F-16 avionics and structural depot-level maintenance and modifications, Service Life Extension Program (SLEP) modifications, drop-in maintenance and full strip, paint and corrosion control on selected aircraft required to sustain the F-16 fleet throughout Europe.

INFORMATION TECHNOLOGY

Strategic Global Aviation has implemented Pentagon 2000SQL™ to support technical and business operations at its facility in Rome, NY. The company delivers specialised aircraft maintenance and inspection services as well as a wide range of additional services. According to Kirk Baugher, Executive Vice President at **Pentagon 2000 Software**, “The team at SGA are seasoned industry veterans and have been able to quickly deploy the facilities, staffing and systems to deliver market leading MRO and technical services. In addition to specialised Military C-130 MRO services, the company offers Aircraft Management, Aviation Consulting, Repair Station Manual authoring along with a range of other services”. In November 2021 Pentagon 2000 Software announced a major new version of its flagship software system. Version 2021.01 has been released with a set of new functionality, performance, and reliability features.

flydocs, a global technology leader that develops asset management software used by the world’s largest aviation companies, has adopted **Microsoft** Azure to deliver strengthened product capabilities on security, scalability, availability and accessibility to its customers. “When we look at today’s digitally driven climate, it has become imperative for software businesses to deliver an efficient, intuitive and friction-free customer experience,” said Andre Fischer, CEO at flydocs. “For us, this digital transformation journey was amplified in 2019 and the following year

MILITARY AND DEFENCE

Embraer and TNO sign MoU for research and technological developments in the defense field

Embraer and TNO, the Netherlands organisation for applied scientific research, have signed a Memorandum of Understanding (MoU) for future developments of defense and dual use products and services in air, sea, land and space

domains. The MoU may include joint research, technology development and innovation process. The MoU intends to extend and increase long-term business relations between the parties during the research and development of key technologies for defense applications, which can be part of future capabilities within Embraer’s existing platforms such as the C-390 Millennium, or new aircraft, vehicles, and systems. This MoU also aims to strengthen the cooperation between Embraer and TNO in The Netherlands and Brazil.



Memorandum of Understanding signing ceremony between Embraer and TNO
Photo: Embraer

OTHER NEWS



Photo: Palermo Falcone Borsellino International Airport

SITA, the IT provider for the air transport industry and **Palermo Falcone Borsellino International Airport** have announced a new partnership to trial, over an initial four-month period, a unique solution that aims to cut airport emissions significantly. According to one scientific study, more than 97% of local annual emissions at an

airport are from flight arrivals and departures. These Scope 3 greenhouse gas emissions typically represent the largest source of emissions for most organisations. Organisations do not directly control Scope 3 emissions because they relate to the value chain; therefore, they are the most challenging scope of emissions to quantify, report and address. SITA has developed a new emission management capability in response to these industry challenges; SITA Emissions Manager leverages the SITA Airport Management solution to enable Palermo Airport to monitor and optimise selected Scope 3 emissions, including during landing and take-off cycles. The initiative will integrate various emission datasets to help the airport make informed decisions to drive greater efficiency in apron operations and reduce greenhouse gas emissions. The trial will also assess the benefits of using SITA Emissions Manager to optimise other Scope 3 emission sources at the airport, such as aircraft turnaround and ground vehicles. With increasing environmental pressure on aviation to take more immediate and increased action to reduce its reliance on fossil fuels, as reflected in the recent COP26 – the 2021 United Nations global climate summit – the industry is taking steps to speed up its decarbonisation. Following a strong partnership between SITA and Palermo Airport spanning more than ten years, the launch of this new trial supports the mutual goals of both organisations. SITA has committed to supporting the air transport industry reduce its carbon footprint. Palermo Airport is decarbonising its operations through ACI’s Airport Carbon Accreditation programme. Over 2018 and 2019, the airport has already reduced its carbon emissions – from 0.71 kilograms of CO2 per passenger to 0.67 – by adopting renewable energy. The airport has set a target to reach 0.60 kilograms of CO2 per passenger by 2023.

we started to invest in initiatives to enhance operational efficiencies for our valued clients – supporting our strategic objective of being the partner of choice. The global pandemic was undoubtedly one of the toughest periods for the aviation industry, but for us, it presented an unanticipated opportunity for accelerated growth as our software platform supported business continuity plans for airlines and leasing companies through aviation asset recovery.” As flydocs grew and expanded its customer base, the previous infrastructure implemented could not meet the future needs and requirements for providing a robust, secure, and scalable environment. Selecting the best infrastructure for sustainable growth and security became the number-one priority for rapidly transforming into a customer-centric, integrated asset management solution provider. “Leveraging Microsoft’s innovative approach of being digital-first and technology forward, we hope to illustrate the continuation of our commitment to provide an unparalleled customer experience,” commented Carl Davis, Chief Technology & Innovation Officer at flydocs. “Following a sharp increase in customer demand for flydocs’ aviation asset management services, Microsoft Azure helped us begin our cloud migration journey with a new document processing solution which is capable of processing more than ten-times the volume of files compared to its data centre-based predecessor. The new solution can process millions of documents per day, resulting in one of the largest Azure document processing use cases in the world. This is just the beginning of our partnership with Microsoft which will also enable us to integrate other technologies such as machine learning, AI and blockchain so we deliver the best performing system.”

OTHER NEWS

Air France and **KLM** have signed new code-share agreements with **Italia Trasporto Aereo (ITA)** Airways. The commercial partnership will offer additional travel opportunities and open up 12 ITA destinations in Italy and Southern Europe for Air France and KLM customers, as where ITA customers will be able to book tickets to a large variety of Air France and KLM destinations in Europe, including the United Kingdom and Scandinavia. Air France, KLM and ITA will facilitate transfers for passengers to connecting flights at their hubs at Paris Charles de Gaulle, Amsterdam Schiphol and Rome Fiumicino. Customers will be able to fly seamlessly to the destination of their choice with one single ticket, checking in at the airport of departure and collecting their checked-through baggage upon arrival at their final destination. The agreement is effective for KLM as of December 1, and for Air France as of December 9, 2021, for traveling as of December 13, 2021.

OTHER NEWS

The **Volga-Dnepr Group**, **Airbus**, **Gazprom Neft**, **Aeroflot Airlines**, the **National Research Center Zhukovsky Institute**, the **Federal State Unitary Enterprise State Research Institute of Civil Aviation**, and the **S7 Group** have signed a declaration with the aim of establishing a Eurasian SAF (sustainable aviation fuel) alliance. The main task of the newly formed alliance will be the development of a fa-



Photo: Volga-Dnepr Group initiates creation of Eurasian SAF alliance

vourable ecosystem to ramp up SAF production in Russia and stimulate its further usage. The alliance members will prepare the roadmap to coordinate future joint efforts. Denis Fisenko, General Director of AirBridgeCargo Airlines, part of Volga-Dnepr Group, highlights: “Volga-Dnepr Group is one of the major air cargo market players in the world. From our side, we are taking actions to mitigate a negative environmental impact – initiatives aimed at fuel consumption efficiency, deployment of eco-friendly freighters with lower CO2 emissions, the introduction of GoGreen initiatives and, most importantly, our efforts to increase load factor and guarantee that we transport vital cargoes other than empty space. The creation of the Eurasian SAF alliance is another step towards a more sustainable air cargo industry. We believe that only collaboration and joint efforts will help us to overcome the barriers preventing SAF introduction in Russia”. The Alliance is an inclusive and open ecosystem for mutual activities of industry participants along the entire SAF value chain, from fuel producers, airlines, airports, aircraft manufacturers, up to engine manufacturers and research organisations, that are interested in fruitful cooperation.



Luxembourg Airport

Photo: Veridos

Veridos has been commissioned to equip **Luxembourg’s International Airport** with registration solutions for the new European border control system EES (Entry-Exit System). The order includes self-service pre-registration kiosks, mobile pre-registration solutions and biometric acquisition units for security booths. The European Union’s new entry-exit system is scheduled

to start in May 2022 and will help to make the entry and exit of third-country nationals simpler, more transparent and more secure. People from third countries will have to register with their fingerprints and a facial image when entering the Schengen area. The biometric data will be stored together with information from passports in the central EES. This will eliminate the need for time-consuming manual stamping of passports and enables an automated passport verification. Thus, the system provides reliable data on border crossings, avoids identity fraud and detects forged travel documents as well as illegal immigration by revealing overstayed visa. As part of the EES, Veridos, a leading global provider of identity solutions, will equip Luxembourg Airport with registration technologies, including a self-service eKiosk system that allows travellers to pre-register themselves before proceeding to the screening booths. The eKiosks capture the fingerprints of travellers, take facial images and read passports. They also guide travellers with a menu through questions about their destination, length of stay, and additional members of their parties.

OTHER NEWS

GA Telesis' (GAT) subsidiary **GAT Logistics Solutions Group** has received approval from the **US Department of Homeland Security, Transportation Security Administration (TSA)**, to operate under TSA's Indirect Air Carrier Standard Security Program (IACSSP). This approval coincides with the launch of GAT Logistics Solutions Group, a worldwide provider of transportation, logistics, storage and supply chain solutions. GAT Logistics Solutions Group is a standalone, wholly owned subsidiary of the GAT Ecosystem™. It is a result of the requests from the company's global customers to manage their third-party logistics and transportation. GAT Logistics Solutions Group was created to be an innovative freight forwarding and contract logistics provider that utilises technology to enhance supply chain efficiency. Stemming from an industry pioneer in the commercial aviation sector, GAT Logistics Solutions Group will be best positioned to provide competitive domestic and international shipping of all modes while putting a heavy emphasis on reliability and cost.

Boeing and **CSIRO**, Australia's national science agency, have launched a new five-year, AU\$41 million research programme with focus areas that include improving aviation sustainability, digital twin and model-based engineering, space and using technologies to boost factory safety and productivity. Projects include accelerating satellite communications and other space-related technologies and enhancing Boeing's digital twin and model-based engineering capabilities to further improve the operational efficiency and sustainability of the company's commercial airplanes and future products. CSIRO has been named Boeing's Supplier of the year on four occasions: 2011, 2016, 2017 and 2018 in the Environmental category. The parties have made numerous breakthroughs since first partnering in 1989. These include CSIRO's 'Paintbond' technology, which has been applied to more than a thousand Boeing airplanes around the world, saving millions of dollars in maintenance costs. Over 32 years of working together, the two organisations have invested more than AU\$200 million (£108 million) on joint research projects, including space-related R&D, some of which will take place at CSIRO's new Brisbane facility, which is also home to approximately 2000 of Boeing's Queensland-based employees.

Major British airlines wrote to the PM, Boris Johnson, on December 13, describing the new travel rules imposed by the government to combat the Omicron coronavirus variant as "haphazard and disproportionate", as well as being disruptive to families and commerce alike over the Christmas period. The letter was signed

INDUSTRY PEOPLE



Pamela Fletcher

Delta Air Lines will welcome a Chief Sustainability Officer in 2022, continuing its commitment to build a sustainable future for air travel. **Pamela Fletcher** will join Delta as Senior Vice President and Chief Sustainability Officer and will join the Delta Leadership Committee as the airline industry's only C-Suite level CSO. In her new role, Fletcher will report directly to CEO **Ed Bastian** and will join the Delta Leadership Committee. She will begin February 1, 2022. In addition, **Amelia DeLuca** is being promoted to Vice President – Sustainability, reporting to Fletcher. DeLuca's outstanding work leading Delta's sustainability efforts over

the past year have established Delta as an industry leader and she will be an essential part of the team moving forward.



Chris Vandenberg

Panasonic Avionics has appointed **Chris Vandenberg** as Chief Engineer (Software). In this role, he will be responsible for delivering the company's highly complex, end-to-end software that redefines how airlines interact with their passengers onboard the aircraft. He will report to CTO, **Joe Bentley** and will lead a multi-disciplined and talented team of highly skilled individuals across Panasonic Avionics' global footprint. Vandenberg will also act as the company's primary technical contact with its customers.

by the chief executive officers of **British Airways, easyJet EZJ.L, Ryanair RYA.I, Loganair, Virgin Atlantic** and **Jet2.com JET2.L**, the managing director of TUI UK & Ireland, as well as trade body Airlines UK. In the week previous, Heathrow's CEO John Holland-Kaye called on the British government to reduce restrictions as soon as it was safe to do so, including allowing UK nationals arriving from red-list countries to isolate at home. In response, the British government announced that as of Wednesday December 15, all eleven countries on the COVID-19 travel red list – all southern African countries: Angola, Botswana, Eswatini, Lesotho, Malawi, Mozambique, Namibia, Nigeria, South Africa, Zambia and Zimbabwe – would be removed. "Now that there is community transmission of Omicron in the UK and Omicron has spread so widely across the world, the travel red list is now less effective in slowing the incursion of Omicron from abroad," said Health Secretary Sajid Javid (reported by Reuters news agency), adding that whilst the UK will maintain its temporary testing measures for international travel it will be removing all 11 countries from the travel red list. Currently, the British government requires all inbound travellers to take either a PCR or a rapid lateral flow test a maximum of 48 hours before departure. UK's Transport Secretary Grant Shapps said these testing measures would be reviewed in the first week of January. "As always, we keep all our travel measures under review and we may impose new restrictions should there be a need to do so to protect public health," he said in a tweet.

AviTRADER™
publications

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Canada V6X 3M1

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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	FPG Amentum	V2527M-A5	3705	2008	Now	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
A319-100	BBAM	CFM56-5B5/P	2119	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-100	BBAM	CFM56-5B5/P	2283	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-100	ORIX Aviation	CFM56-5B5/3	5018	2012	Now	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A319-112	Deucalion Aviation Limited	CFM56-5B63	3586	2008	Q2/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A319-131	Deucalion Aviation Limited	V2522-A5	2375	2005	Q2/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320	Deucalion Aviation Limited	CFM56-5B4/P	1571	2001	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-200	BBAM	V2527-A5	2587	2005	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A320-200	ORIX Aviation	CFM56-5B4/3	5950	2014	Q1/2022	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	GA Telesis	V2527-A5	2152	2004	Now	Sale	David Byrne	dbyrne@gatelesis.com	+353 86 780 8974
A320-214	Deucalion Aviation Limited	CFM56-5B4/3	3767	2009	Q4/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-232	Deucalion Aviation Limited	V2527	4323	2010	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-232	ALTAVAIR	V2527-A5	4621	2011	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
A320-232	Willis Lease	V2527-A5	6865	2016	Jan 2022	Sale / Lease	Chris Giles	cgiles@willislease.com	+44 1656 754 788
A320-232	Willis Lease	V2527-A5	7163	2016	Now	Sale / Lease	Chris Giles	cgiles@willislease.com	+44 1656 754 788
A320-232ceo	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	ORIX Aviation	Trent 772B-60	1306	2012	Now	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A330-200	Deucalion Aviation Limited	CF6-80E	814	2007	Q4/2021	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-200 (9x)	ALTAVAIR	Trent 772B-60/16	various	05 - 07	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
A330-200	Doric	Trent 772B-60/16	1407	2013	Now	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 24755931
A330-300	BBAM	Trent 772B-60	1562	2014	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	Trent 772B-60	1609	2015	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	CF6-80E1A3	1300	2012	Apr 2022	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	Deucalion Aviation Limited	Trent 772B-60	1559	2014	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-300	Deucalion Aviation Limited	Trent 772B-6	1146	2010	Q3/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-700	BBAM	CFM56-7B20	32418	2003	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-700	GA Telesis		34300	2006	Now	Sale / Lease	David Byrne	dbyrne@gatelesis.com	+353 86 780 8974
B737-8	Orix Aviation	CFM LEAP-1B	42825	2017	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42826	2017	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42827	2017	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42828	2017	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42829	2017	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42830	2017	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42831	2018	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42832	2018	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42833	2018	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42835	2018	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	63971	2018	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	64992	2018	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-800	BBAM	CFM56-7B24/3	34905	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800	Deucalion Aviation Limited	CFM56-7B26E	40880	2012	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	Deucalion Aviation Limited	CFM56-7B27/3	37254	2011	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	Deucalion Aviation Limited	CFM56-7B26	30294	2004	Q1/2022	Sale	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	Deucalion Aviation Limited	CFM56-7B	30659	2003	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	ORIX Aviation	CFM56-7B26	34692	2007	Q4/2021	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451

THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft (cont.)

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-200ER	BBAM	GE90-90B	29004	1998	Jan 2022	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	BBAM	GE90-115B	37898	2012	Apr 2022	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	BBAM	GE90-115BL2	37898	2012	Apr 2022	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	ALTAVAIR	GE90-115B	39235	2012	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B777-300ER	ALTAVAIR	GE90-115B	39686	2013	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-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	15057	2005	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15087	2006	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4326	2010	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007A1	145411	2002	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ170-100LR	Regional One	CF34-8E5	17000093	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
SAAB 2000	Jetstream Aviation Capital	AE2100A	031	1996	Now	Sale / Lease	Donald Kamenz	dkamenz@jetstreamavcap.com	+1 (305) 447-1920 x 115
SAAB 340B CRG	Jetstream Aviation Capital	CT7-9B	224	1990	Nbow	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102
SAAB 340B Plus	Jetstream Aviation Capital	CT7-9B	450	1998	Now	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102

Commercial Engines

CF34 Engines	Sale / Lease	Company	Contact	Email	Phone
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3B1	Now - Sale				
CF34-3A	Now - Sale / Lease				
(1) CF34-8C	Now - Sale / Lease	Regional One	Elizabeth Giraldo	Egiraldo@Regionalone.com	+1 305-469-7253
(1) CF34-8E5	Now - Sale / Lease				
(2) CF34-10E6	Full QEC	DASI	Joe Hutchings	joe.hutchings@dasi.com	+ 1 954-478-7195
(1) CF34-10E5A1	Full QEC				



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THE AIRCRAFT AND ENGINE MARKETPLACE

CF34 Engines (cont.)	Sale / Lease	Company	Contact	Email	Phone
(4) CF34-10E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF34-8C5A1	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) CF34-8C5B1	Now - Sale/Lease/Exch.				
(3) CF34-8E5A1	Now - Sale/Lease/Exch.				
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CF6-80C2B7F	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF6-80E1A3	Now - Sale / Lease				
(1) CF6-80E1A4B	Now - Sale / Lease				
(2) CF6-80E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF6-80C2B1F	Now - Sale/Exchange	Chromalloy Asset Management	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) CF6-80C2B1F	Q3/2021 - Sale/Exchange				
(2) CF6-80E1	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
Commercial Engines (cont.)					
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CFM56-5B4/P (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiairline.com	+1 786 785 0787
(1) CFM56-5B5/P	Now - Lease				
(1) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B2/P	Now - Lease				
(2) CFM56-7B26 (full QEC)	Now - Lease				
(1) CFM56-7B27	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(1) CFM56-7B22 (with QEC)	Now - Lease				
(4) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(4) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P	Now - Lease				
(4) CFM56-7B24/E	Now - Lease				
(4) CFM56-7B24	Now - Lease				
(2) CFM56-7B26	Now - Lease				
(1) CFM56-5C4	Now - Lease				
(4) CFM56-5B4/P	Now - Lease				
(2) CFM56-7B26/3	Now - Lease				
(3) CFM56-7B26	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(4) CFM56-5B5/P	Now - Sale / Lease				
(2) CFM56-5B6	Now - Sale / Lease				
(1) CFM56-3 (SVC, fresh PR)	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)1357 521144
(2) CFM56-7B22	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(multiple) CFM56-5B	Now - Sale / Lease	CFM Materials	Jimmy Hill	jimmy.hill@cfmmaterials.com	+1 469-628-3756
(multiple) CFM56-7B	Now - Sale / Lease				
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B24/E	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P (u/s)	Now - Sale	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
(1) CFM56-7B22/3	Now - Lease				
(1) CFM56-5B4/P	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CFM56-5B3/P	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) CFM56-5B6/P	Now - Sale/Lease/Exch.				
(1) CFM56-7B27	Now - Sale/Lease/Exch.				
GE90 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) GE90-94B	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) GE90-115BL (Propulsor)	Now - Lease				
(2) GE90-90B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(2) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) LEAP-1A33	Now - Lease				
(1) LEAP-1A32	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
PW 2000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW2037	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiairline.com	+1 786 785 0787
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW4062-3	Now - Sale / Exchange	Chromalloy Asset Management	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) PW4060-3	Q3/2021 - Sale/Exchange				
PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease				
PW124B	Now - Lease				
PW123B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW150A	Now - Lease				
PW127M	Now - Lease				
PW150A RGB	Now - Lease				

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PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW150A	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(6) PW127M	Now - Sale/Lease/Exch.				
(1) PW121	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(1) PW123	Now - Sale/Lease/Exch.				
(1) PW127F	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(1) PW123B	Now - Sale/Lease/Exch.	Regional One	Duane Butler	dbutler@regionalone.com	+1 561-809-0001
(1) PW127F					
(1) PW150A					
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(2) Trent 772B-60	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) Trent 772C-60	Now - Sale/Lease/Exch.				
(1) Trent-556-61	Now - Sale/Lease/Exch.				
(1) Trent 556A2-61	Now - Sale/Lease/Exch.				
(1) Trent XWB-84k	Now - Lease				
(1) Trent772B-60	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) V2522-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) V2524-A5	Now - Sale/Lease/Exch.				
(1) V2527-A5	Now - Sale/Lease/Exch.				
(1) V2527E-A5	Now - Sale/Lease/Exch.				
(1) V2527M-A5	Now - Sale/Lease/Exch.				
(1) V2530-A5	Now - Sale/Lease/Exch.				
(1) V2533-A5	Now - Sale/Lease/Exch.				
(2) V2533-A5	Now - Sale/Lease/Exch.	Chromalloy Material Solutions	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) V2527-A5	Now - Sale/Lease/Exch.				
(2) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2527-A5	Now - Lease				
(1) V2527-A5	Now - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) V2533-A5	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiairline.com	+1 786 785 0788
(2) V2522-A5	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(2) V2527-A5	Now - Lease				
(2) V2527-A5	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(3) V2533-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) V2527E-A5	Now - Lease				
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
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					
GE90-115B – Fan Stator Module – P/N 2115M15G04		Altavair	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
(1) A320 ENH NLG, (2) A340 Landing Gear Shipsets		GA Telesis		landinggearsales@gatelesis.com	
Neutral CFM56-7B QEC Kit	Now - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
(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) GTC331-9B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(3) GTC331-350, (5) GTC331-9A	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
(1) APS3200, (2) GTC331-9B					
(1) APS2300, (1) GTC331-200ER,	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 954-683-1893
(1) APS1000-C12, (1) GTC331-150RJ, (1) RE220RJ					
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				
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(5) GTC331-9A, (1) GTC331-200, (2) GTC331-9B, (1) GTC331-200		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(2) GTC331-350, (1) 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
(1) APU GTC131-9A	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