

Weekly Aviation Headline News

WORLD NEWS

TAP Air Portugal to boost operations to the Americas.

TAP Air Portugal's new summer 2023 schedule will see frequencies on several intercontinental routes rise from the airline's Lisbon hub. The peak summer season will see the carrier introduce 10 additional weekly flights to five North American cities, with Boston services increasing to double daily, Miami and Washington to 10, and Chicago and San Francisco to five. TAP will also boost flights to Brazil, with Sao Paulo increasing to 20 services a week, Belo Horizonte to seven, Brasilia and Salvador to six, and Belem to four. The enhanced frequencies to the Americas are in line with soaring demand.

London Gatwick increases long-haul connectivity

London Gatwick announced its now serving 42 global routes - 68% the number flown pre-pandemic. The airport's long-haul network was boosted by an announcement recently that Air India will fly to four new destinations - Goa, Ahmedabad, Amritsar and Kochi (Cochin). Delta Air Lines also returns to Gatwick, flying the airport's fourth daily flight to New York, while British Airways will operate new routes to Vancouver, Georgetown and Las Vegas this summer, in addition to their services to the Caribbean, North and Central America, the Middle East and Mauritius.

Halifax deploys Assaia turnaround technology

Assaia has announced that its Turnaround Control solution is being deployed at Halifax Stanfield International Airport. The result will be the more efficient use of existing airport infrastructure, better on-time performance for airlines, as well as more sustainable use of resources and enhanced safety. Assaia's solution, a combination of Artificial Intelligence and computer vision, will monitor aircraft turnarounds and will also be deployed at the de-icing pad.



Passengers are up, but cargo remains weak in the region.
© WFS

Asia Pacific records rebound in passenger traffic

But cargo continues to see weak demand

The Asia-Pacific region is now showing a resurgence in international regional traffic flow following the slow return to post-pandemic flying.

Data released by the [Association of Asia Pacific Airlines](#) indicates a combined total of 13.4 million international passengers were carried by the region's airlines in November, 7.6 times more than the 1.8 million recorded in the same month last year. In revenue passenger kilometres (RPK) terms, demand jumped 499.2% year-on-year, significantly outpacing the 187.1% expansion in available seat capacity. This led to a 40.3 percentage point jump in the average international passenger load factor to 77.4% for the month, close to levels achieved in pre-pandemic 2019.

By contrast, the air cargo business segment faced further weakness in demand conditions. Amid still elevated cost pressures, declining

new export orders precipitated a steep 19.2% year-on-year decline in international air cargo demand, as measured in freight tonne kilometres (FTK) in November. Offered freight capacity fell by 7.6% year-on-year, leading to a 9.3 percentage point drop in the average international freight load factor to 63.9% for the month.

has scheduled capacity at 87% of pre-pandemic levels. Given that they are currently operating at approximately 53% of 2019 levels, that would be a significant jump. However, the country has been upping its capacity swiftly and the Chinese daily capacity as a whole is at 73% of 2019 levels already.

Commenting on the market, Mr.

Subhas Menon, AAPA Director General said, "Asian carriers continued to enjoy robust recovery in international travel markets approaching the end of 2022, in

“Asian carriers continued to enjoy robust recovery in international travel markets approaching the end of 2022, in tandem with the progressive removal of pandemic-driven border control measures.”

Subhas Menon, AAPA Director General

According to analysts at [Forward-Keys](#), China's aviation regulator plans to restore flight capacity to 88% of pre-pandemic levels by 31st January. However, a full recovery is not possible immediately, as the industry needs some time to re-hire staff and meet all flight safety and service requirements. In addition, a report from [IBA](#), indicates that China Eastern

tandem with the progressive removal of pandemic-driven border control measures. Notably, the recent reopening of China's borders with quarantine-free travel after nearly three years of strict virus containment policies will markedly improve demand prospects, given China's significant trade and tourism links with the region's economies and beyond.”

AIRCRAFT & ENGINE NEWS

Air Lease Corporation reports activity update for fourth quarter of 2022

Air Lease Corporation (ALC) has posted an update on aircraft investments, sales, and significant financing activities occurring in the fourth quarter of 2022. As of December 31, 2022, ALC's fleet was comprised of 417 owned aircraft and 85 managed aircraft, with 398 new aircraft on order from Boeing and Airbus set to deliver through 2028. The company delivered 16 new aircraft from ALC's order book including two Airbus A220-300s, five A321neos, two Airbus A330-900neos, three Boeing 737-8s, three Boeing 737-9s and one Boeing 787-9. Furthermore, ALC recovered one Boeing 737-8 aircraft previously detained in Russia and sold five aircraft to third-party buyers. Aircraft investments in the quarter totalled approximately US\$1 billion. The company issued US\$700 million of 5.85% senior unsecured medium-term notes due 2027 and closed a US\$400 million unsecured term loan facility with final maturity in 2027. (£1.00 = US\$1.22 at time of publication).

Orders and deliveries – Boeing and Airbus

Airbus v Boeing: Orders and Deliveries

November 2022 YTD

Airbus			Boeing		
Type	Orders	Deliveries	Type	Orders	Deliveries
A220	105	53	737	561	387
A320 Family	770	516	747	0	5
A330	-65	32	767	31	33
A350	10	60	777	68	24
A380	0	0	787	114	31
Total	820	661	Total	774	480

Source: Airbus

Source: Boeing

According to Airbus' orders and deliveries data, the company reported December orders for four A350Fs by an undisclosed operator, 10 A330-900s for CIT Leasing and a further two A350-900s by financial entities. Deliveries through the month were dominated by A320neo and A321neos across a vast customer base including China Southern, Tunisair and Spirit Airlines. Airbus also delivered its first A330-900 neo to German operator Condor which was part of a 16-aircraft order.

Boeing reported orders for 250 aircraft in December including the groundbreaking order from United Airlines will shape the carrier's future fleet. The US airline placed orders for 90 737 MAX and an additional 90 787-9s. Another significant order was for 40 additional 737-8 MAX jets by lessor BOC Aviation. Boeing delivered 69 aircraft in December including 18 737 MAX to Southwest Airlines. Freightier deliveries included three 777Fs heading to the Chinese market and a single 767-300F to FedEx Express.

United Airlines obtains financing from Castlake secured on four Boeing 2020-vintage Dreamliners



United Airlines Boeing 787-9 Dreamliner

© AirTeamImages

Minneapolis, Minnesota-based global investment firm Castlake is providing financing through its aviation lending programme to United Airlines secured on four 2020-vintage 787-9 Dreamliners with a value in excess of US\$540 million. "We are pleased to partner with United, one of the world's largest airlines, to provide them with tailored financing solutions to support their global growth strategy," said Armin Rothausser, Partner and Head of Asset-Backed Direct Lending at Castlake. "In the current economic environment, we are seeing an increase in demand for flexible financing solutions and more opportunity to partner with airlines, lessors and other industry participants to deliver these solutions." Castlake's Aviation has been investing in the aviation sector for some 17 years. In addition, since March 2020, the company has originated, purchased or committed approximately US\$5.4 billion in aviation lending opportunities. This transaction with United builds on Castlake's momentum working with aircraft operators as a capital provider and strategic partner, including the recent completion of two transactions totalling US\$100 million. Since inception, Castlake funds have invested over US\$17 billion in aviation opportunities and has acquired more than 650 aircraft and developed relationships with approximately 200 airline partners. (£1.00 = US\$1.22).

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AIRCRAFT & ENGINE NEWS

AerCap leased, purchased and sold 895 assets in 2022

AerCap Holdings (AerCap) has announced its major business transactions during the full-year 2022. The company reported that it signed 570 lease agreements and completed 118 purchases during the full-year 2022. AerCap completed 207 sale transactions during the year and signed finance transactions of approximately US\$ 4.2 billion. During the fourth quarter the company signed 159 lease agreements, including leases for four wide-body aircraft and 76 narrow-body aircraft, 37 engines and 42 helicopters. AerCap completed 43 purchases during the fourth quarter for 30 aircraft (including 22 Airbus A320neo-family aircraft, one Airbus A220, one Airbus A330neo, one Boeing 737 MAX, one Boeing 787-9 and three Embraer 195 E2s for AerCap's owned aircraft portfolio and one aircraft for AerCap's managed aircraft portfolio), nine engines and four helicopters. Furthermore, the company completed 97 sale transactions for 64 aircraft (including nine Airbus A320-family aircraft, three Airbus A320neo-family aircraft, eight Airbus A330s, 33 Boeing 737NGs, one Boeing 767-300ER, two Boeing 777-200ERs, one Boeing 737-300SF, two Boeing 747-400Fs and four Embraer E170s from AerCap's owned aircraft portfolio and one aircraft from AerCap's managed aircraft portfolio), 20 engines and 13 helicopters. AerCap signed financing transactions for approximately US\$750 million during the quarter. (£1.00 = US\$1.22 at time of publication).

U.S.A. and South Korea establish advanced air mobility partnership



© Archer

The US Federal Aviation Administration (FAA) confirmed on Saturday that it is to partner with the Korea Office of Civil Aviation (KOCA) future Advanced Air Mobility aircraft development and operations. According to the FAA the signed agreement will see the two countries collaborate and share information on advanced air mobility projects and work together to promote the safety oversight of such projects. "Collaborating with our international partners on safely integrating these new technologies will create more efficient, sustainable and equitable transportation options," said Acting FAA Administrator Billy Nolen. This is one of several eVTOL-related projects that is benefitting from an international partnership as multiple entities are pushing to achieve regulatory approval to utilise electric air taxis. The FAA has already announced similar partnerships with Japan, the United Kingdom, Canada, Australia and New Zealand, where airlines are looking to create new transportation services using eVTOL aircraft to facilitate passenger access to airports. According to Reuters news agency, last month, the FAA issued the airworthiness criteria that Archer Aviation will need to meet for its M001 air taxi to be certified for use. The FAA released the criteria for public comment of Archer's eVTOL after it made a similar announcement in November for Joby Aviation's Model JAS4-1 eVTOL.



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ASCENT AVIATION SERVICES

MRO & PRODUCTION NEWS

Collins Aerospace expands air materials support service agreement with China Southern

Collins Aerospace is expanding its longstanding support agreement for China Southern's fleet of Boeing 787 aircraft. The extended agreement builds on the existing Dispatch (SM) flight hour support agreement for avionics onboard the airline's aircraft. Collins Aerospace's Dispatch avionics service programme provides high availability and maximum reliability at a predictable cost. This contract extension is likely to reduce China Southern's operational risk and most importantly, keep its fleet flying. "This builds a strong foundation for future collaboration on the Dispatch programme and capability building with Collins Aerospace," said Zeng Xiaoliang, the senior director for Material Management for China Southern. Tailored to each airline's needs, Dispatch delivers critical on-site spares, access to global asset pools, OEM-quality maintenance and technical assistance for Collins avionics. Under the power-by-the-hour programme, Collins Aerospace will support China Southern's next-generation platforms, along with its existing aircraft.

AIRCRAFT & ENGINE NEWS

LCI to acquire up to 40 Chaparral (VTOL) aircraft from Elroy Air

LCI, a leading aviation company and a subsidiary of Libra Group, has signed an agreement with Elroy Air, developer of advanced autonomous cargo aircraft systems, to acquire up to 40 of the company's Chaparral vertical take-off and landing (VTOL) aircraft. LCI's investment in Elroy Air's system underpins the company's long-term commitment to sustainable growth and innovation.



Chaparral (VTOL) aircraft

© Elroy Air

Under the terms of the deposit-backed agreement, LCI will initially acquire 20 aircraft with an option for a total of up to 40 units. The VTOL aircraft are currently under development at Elroy Air's facility in South San Francisco, California. The Chaparral is the first end-to-end autonomous VTOL cargo delivery system. It is designed for aerial transport of up to 500 lbs (225 kg) of goods over a 300 nautical mile range. This is enabled initially by a turbine-based hybrid-electric powertrain with distributed electrical propulsion and specially designed aerodynamic modular cargo pods. Its applications include safe, efficient and cost-effective aerial cargo transport for commercial logistics, disaster relief, firefighting and humanitarian operations without risk to pilots or the need for airport infrastructure.

HAECO Xiamen to build new aircraft maintenance facility at Xiamen Xiang'an International Airport



Rendering of HAECO Xiamen's new aircraft maintenance facility

© HAECO

an apron area of 284,000 m², 18 new buildings will be constructed to cater to apron engineering, engine test bays, a utility tunnel, aviation fuel supply and other outdoor works. The new maintenance facility will combine innovation, green design and advanced technology to achieve optimum energy utilisation and operational efficiency. There will be 12 wide-body and six narrow-body maintenance bays as well as two separate painting bays to provide flexible parking for multiple aircraft types and different maintenance needs. According to the company, once the construction is completed, HAECO Xiamen will be the largest single-span aircraft maintenance hangar in the world. The construction project has been designed from the outset to optimise operational efficiency and maximise space utilisation, helping to reduce aircraft maintenance turnaround times and improve punctuality to meet its customers' maintenance schedules. The innovative 'centre-axle' design connects the hangars and ancillary buildings, facilitating logistics management and resource sharing. The new maintenance facility will also feature innovative design and state-of-the-art green measures including solar power, intelligent building management systems, intelligent lighting controls, water storage and air conditioning systems, as well as advanced wastewater and air treatment, with the goal of achieving gold certification under the LEED-NC (Leadership in Energy and Environmental Design for New Construction) rating system.

HAECO Xiamen, a member of the HAECO Group, has participated in a ground-breaking ceremony to commence the construction of its new aircraft maintenance facility at Xiamen Xiang'an International Airport. Established in 1993, HAECO Xiamen has grown by leaps and bounds over the past 30 years to become a leading provider of aircraft maintenance and modification services in the Asia Pacific region. Its comprehensive suite of aircraft engineering services includes airframe services, line services, parts manufacturing, design engineering, certification and technical training. HAECO Xiamen is also renowned for its high safety standards and quality services with competitive turnaround times and on-time delivery. Currently based at Xiamen Gaoqi International Airport, HAECO Xiamen will re-locate to the new airport to build a new industry-leading hangar. Covering a total area of 537,300 m², including a construction area of 292,300 m² and

MRO & PRODUCTION NEWS

Parker Meggitt and Airbus team up to develop eBuffer in support of ZEROe demonstrator

Parker Meggitt, a business segment of Parker Hannifin Corporation, a global leader in motion and control technologies, has announced a partnership with Airbus to develop an energy buffer (eBuffer) in support of the ZEROe aircraft demonstrator. Parker Meggitt is working with Airbus to build energy storage equipment that will support electric propulsion. The eBuffer will maximize safety, efficiency and weight while balancing electric and mechanical constraints. The eBuffer will be an important piece of the electrical system that will complement the fuel cell primary power source and therefore will be one of the integral components of the Airbus ZEROe demonstrator aircraft.

FINANCIAL NEWS

KKR to invest additional US\$1.15 billion in aircraft leasing with Altavair

KKR, a leading global investment firm, and Altavair L.P., a leader in commercial aviation finance, have announced that KKR is making an additional US\$1.15 billion commitment to expand its global portfolio of leased commercial aircraft in partnership with Altavair. The investment will come from KKR's credit and infrastructure funds. KKR has deployed and committed US\$1.7 billion of capital into aircraft deals since forming a partnership with Altavair and acquiring an interest in the company in 2018. KKR, in partnership with Altavair, has acquired more than 90 commercial and freighter aircraft

Iberia Maintenance signs long-term agreement with HK Express to maintain 32 V2500 engines



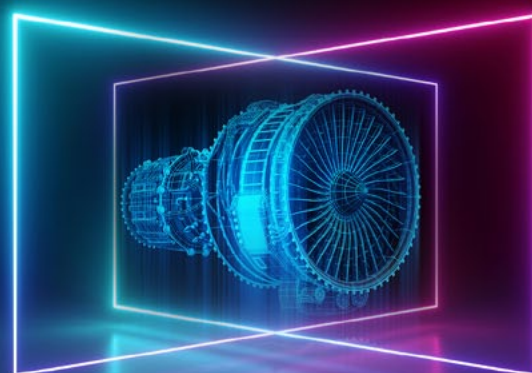
Iberia Maintenance continues to extend its V2500 customers base with the addition of HK Express © Iberia Maintenance

Iberia Maintenance and HK Express, a fully owned subsidiary of Cathay Pacific, have signed a long-term contract to maintain 32 V2500 engines powering the low-cost carrier's Airbus A320ceo and A321ceo fleet. Efficiency improvements, such as the extension of engine repair in-house capability, work scope adjustments to ensure shop visit optimisation and used serviceable material (USM) sourcing from the market, were the key differentiators in the offer. At the end of 2012, Iberia Maintenance, with the support of International Airlines Group (IAG), started working on the International Aero Engines (IAE) capability to service the V2500 engine. In 2015, it obtained Pratt & Whitney's licence for V2500 engine MRO and joined the network of IAE, which distributes its customers' engines for repair and overhaul to network partners. At that time, Iberia Maintenance became the first non-IAE member workshop to overhaul V2500's. Iberia Maintenance Engine Shop specialises in CFM56, V2500 and RB211 engines and provides services to a worldwide customer base of airlines, OEMs and the wider industry, while servicing V2500 engines being more than half of the current workload. In October, the company obtained the license to service Pratt & Whitney GTF™ engines. The first engine will be inducted in 2023.

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through a variety of transactions, including lessor trades, airline direct used and new delivery sale leasebacks, structured transactions and passenger-to-freighter conversions and has successfully leased more than 75% of the portfolio to tier-one airlines and operators around the world. "We are thrilled to deepen our footprint in aircraft leasing through this new commitment, which underscores the conviction that we have in this space and our confidence in Altavair as a partner," said Dan Pietrzak, KKR Partner and Co-Head of Private Credit. "We look forward to growing our portfolio further to support the fleet needs of airlines and operators around the world." KKR has invested approximately US\$8.3 billion of capital in the aviation sector since 2015. Investors include Altavair, AV AirFinance, Atlantic Aviation, KKR DVB Aviation Capital, K2 Aviation, Wheels Up, Global Jet Capital and Jet Edge, among others. (£1.00 = US\$1.22 at time of publication).

Rex reports improved profitability

Regional Express, Rex, has released that its unaudited management accounts for November 2022 have shown a further increase in profitability for its domestic Boeing 737 jet operations, with the profit before tax (PBT) improving from about AU\$2 million to AU\$2.8 million. This makes November the third consecutive month that the domestic jet operations have, overall, been profitable since jet operations resumed in February 2022. The regional Saab 340 operations still made a loss, though less than AU\$0.2 million for November but EBITDA for the month doubled to AU\$2.2 million from AU\$1 million for the month of October, again making it the third consecutive month the regional operations have been cash-flow positive since COVID. The company believes that the regional Saab operations will return to monthly overall profitability in the current quarter. The entire Rex Group showed a profit for the second consecutive month, with the PBT for the month at just over AU\$3 million following a smaller PBT of AU\$800,000 the month before. (£1.00 = AU\$1.75 at time of publication).

SAS concludes lessor negotiations as part of chapter 11 process

SAS AB has reached agreements with two additional lessors, Air Lease Corporation and Jackson Square Aviation, representing 13 aircraft in the aggregate, to amend the terms of existing aircraft and equipment lease agreements. With these agreements, SAS concludes its lessor negotiations as part of the chapter 11 process. In total, SAS has reached agreements with 15

MRO & PRODUCTION NEWS

easyJet opens first continental European maintenance hangar at BER airport



Official opening of easyJet's continental European maintenance hangar at BER airport © easyJet

easyJet, Flughafengesellschaft Berlin Brandenburg (FBB) and the Brandenburg state government have celebrated the opening of the easyJet maintenance hangar at Berlin Brandenburg Willy Brandt Airport (BER). The new hangar, which started construction in September 2021, will provide easyJet with the capacity needed to ensure

it can operate in the most efficient, safe and competitive way. The project was supported by the Wirtschaftsförderung Brandenburg as well as easyJet's chosen partner MRO Facilities, who managed the design and construction to deliver market-leading operational performance. The maintenance hangar was built in accordance with the German Building Energy Act Gebäudeenergiegesetz, GEG) and as such meets the requirements for energy-efficient construction in the EU. More than 100 easyJet employees will be responsible at the new facility in BER for the supervision and management of aircraft maintenance activities of the easyJet Europe-fleet, which currently comprises 135 aircraft (incl. eight A320neo and five A321neo aircraft). This will further improve the efficiency of operational processes and save maintenance costs in the long term. easyJet continues to operate its aircraft as efficiently as possible, being one of the largest single-brand operators of A320neo-family aircraft in Europe and is always looking for further efficiency improvements to reduce fuel burn and therefore carbon emissions.

MILITARY AND DEFENCE

Canada to procure 88 5th-generation F-35A Lightning II stealth fighter jets

The Canadian government has announced that it is to procure 88 Lockheed Martin 5th-generation F-35A Lightning II stealth fighter jets for the Royal Canadian Air Force. The procurement has come about from the Future Fighter Capability Project competition. The procurement will also include a comprehensive training program. The F-35 strengthens Canada's operational capability with its allies as a cornerstone for interoperability with NORAD and NATO. As a critical node in the 21st Century Security mission space, the F-35 gives pilots an advantage against any adversary and enabling them to execute their mission and come home safe. "Together with our Canadian industry partners, we are honoured by this selection and the sustainment of critical jobs that will continue to equip Canadian workforces with advanced skills," said Lorraine Ben, Chief Executive, Lockheed Martin Canada. "The F-35 program yields tremendous economic benefits for Canada's aerospace and defence industry, and we look forward to continued growth." Currently, the F-35 operates from 27 bases across the globe, with nine nations operating F-35s on home soil. There are over 890 F-35s in service at present, with more than 1,870 pilots and 13,500 maintainers who have been trained on the aircraft.



F-35A demo team during the 2021 Canadian International Air Show, Toronto, Canada © U.S. Air Force/by Staff Sgt. Thomas Barley

FINANCIAL NEWS

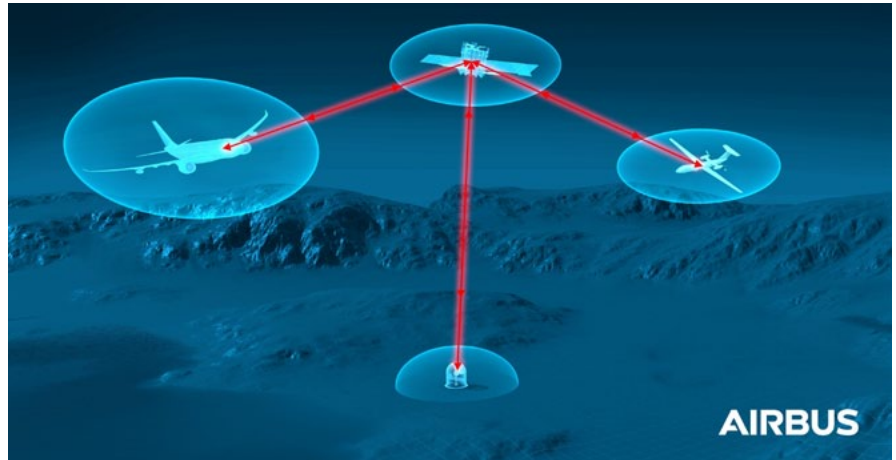
lessors, representing 59 aircraft. Through the amended lease agreements, SAS expects to achieve the targeted annual cost savings of at least SEK 1.0 billion in reduced aircraft lease expenses and annual cash flow items relating to aircraft financing. This constitutes an important step in achieving the SEK 7.5 billion in annual cost savings by fiscal year 2026 under the SAS FORWARD plan. The new amended lease agreements are subject to approval by the U.S. Bankruptcy Court for the Southern District of New York and to the plan of reorganisation in the chapter 11 process being confirmed and becoming effective. As part of SAS' comprehensive business transformation plan, SAS FORWARD, SAS set a target for annual cost reductions of SEK 7.5 billion by fiscal year 2026, as compared to the annual cost base for fiscal year 2019. An important part of the targeted cost reductions, at least SEK 1.0 billion, are expected to be achieved in reduced aircraft lease expenses and annual cash flow items relating to aircraft financing. (£1.00 = SEK 12.70 at time of publication).

INFORMATION TECHNOLOGY

flydocs, a leading asset management solution provider for the aviation industry, has announced an extended agreement with **Gulf Air**. Under the five-year renewal, flydocs will continue to support Gulf Air with digital records management software for its fleet of over 35 aircraft. Gulf Air, the national carrier of the Kingdom of Bahrain, and flydocs have had a valued and long-standing partnership for over five years where flydocs has been providing a software service to support Gulf Air to manage its assets and lease returns. Gulf Air recently selected the leading engineering and maintenance MRO and will be looking to gain improvements in aircraft compliance management utilising the advanced features and interfaces available in the flydocs platform.

SkySelect, a leading procurement services and technology provider, has integrated with **Rotabull**, the all-in-one sales tool for aircraft part sellers and MROs, to enhance suppliers' aircraft parts selling process. This new integration automates inventory sharing to ensure the supplier is contacted for parts in stock. As a result, suppliers eliminate unnecessary manual work and achieve greater efficiency. This integration automates the process of uploading inventory to the SkySelect platform. The catalogues feature allows buyers to expedite the procurement process and Rotabull allows suppliers to focus on more strategic tasks by

INFORMATION TECHNOLOGY



© Airbus

Airbus and **VDL Group** have signed a partnership agreement for the development and manufacture of a laser communication terminal for aircraft, known as UltraAir. Based on the development led by Airbus and the Netherlands Organisation for Applied Scientific Research (TNO), the two companies will now prepare a demonstration of a prototype and a first flight test in 2024. As of 2024, Airbus and VDL Group – a Dutch high-tech industrial supplier – will further industrialise the prototype in order to make it ready for integration with a hosting aircraft. VDL brings design for production to the partnership and will manufacture critical systems. A flight test of this industrialised prototype is planned in 2025 on an aircraft. UltraAir will enable the exchange of large amounts of data using laser beams in a network of ground stations and satellites in geostationary orbit at 36,000 km above the Earth. With unparalleled technology including a highly stable and precise optical mechatronic system, this laser terminal will pave the way for data transmission rates that could reach several gigabits-per-second while providing anti-jamming and low probability of interception. In this way, UltraAir will allow military aircraft and UAVs (Unmanned Aerial Vehicles) to connect within a multi-domain combat cloud thanks to laser-based satellite constellations such as Airbus' SpaceDataHighway. This is a key milestone in the roadmap of Airbus' overall strategy to drive laser communications further, which will bring forward the benefits of this technology as a key differentiator for providing multi-domain combat collaboration for government and defense customers. In the longer term, UltraAir could also be implemented on commercial aircraft to allow airline passengers to establish high-speed data connections. Regarded as the solution for data traffic in the quantum age, laser communication technologies are the next revolution in satellite communications (satcom). As satellite bandwidth demand is growing, the traditional satcom radio-frequency bands are experiencing bottlenecks. Laser communication brings 1,000 times more data, ten-times faster than the current network. Laser links also have the benefit of avoiding interference and detection, as compared to already-crowded radio frequencies they are extremely difficult to intercept due to a much narrower beam. Thus, laser terminals can be lighter, consume less power and offer even better security than radio. Co-financed by Airbus and VDL Group, the UltraAir project is also supported by the ESA ScyLight (Secure and Laser Communication Technology) programme and by the "NxtGen Hightech" programme, as part of the Dutch Growth Fund, led by TNO and a large group of Dutch companies.

automating the listings process. The second part of the integration focuses on quote automation and removing the need to input information in the SkySelect platform. Instead, a quote can be sent directly from Rotabull and instantly reflected in SkySelect. "Through this integration, we accomplish two primary benefits for our customers. Firstly, we make

the quoting process more efficient. Secondly, we provide an additional distribution channel for parts to be sold," said Evan Wang, Rotabull cofounder. "SkySelect is a great place to sell, so we're excited to give our customers access to the platform." This latest integration isn't simply about helping buyers or suppliers but improving the entire supply chain. "We're always looking

INFORMATION TECHNOLOGY

for ways and adding features to make it easier and more efficient for the suppliers as well as the buyers, and this integration does exactly that,” said Craig Skilton, SkySelect’s Head of Supplier Development. “This partnership goes a long way to making a better supply chain for everyone.”

OTHER NEWS

Türkiye’s flag carrier **Turkish Airlines**, and Mongolia’s flag carrier, **MIAT Mongolian Airlines** have signed a codeshare agreement. The signed agreement between two carriers will enable both to provide more flexibility of choice to their respective passengers on direct flights between Türkiye and Mongolia along with further flights connecting via İstanbul. Through this cooperation, Turkish Airlines will be offering Ulaanbaatar as Marketing Carrier on MIAT Mongolian Airlines’ operated flights, while MIAT Mongolian Airlines’ passengers will be able to reach many European and United States destinations through Turkish Airlines’ extensive network. This reciprocal arrangement will allow TK and OM to provide seamless connections to their passengers. Turkish Airlines will use its code “TK” on MIAT Mongolian Airlines operated flights between Ulaanbaatar and İstanbul. Similarly, MIAT Mongolian Airlines will place its code on İstanbul-Ulaanbaatar flights and also on ten points beyond İstanbul operated by Turkish Airlines.

For **WestJet Cargo**, 2022 will certainly be a year to remember. The essential changes of the last few months have indeed been key in building the foundations for its future success. To start with, working with GTA contributed to massively increasing its services and shipping capacities in Canada. Moreover, launching a new cargo platform in partnership with SmartKargo, new routes such as Los Angeles (LAX) and Orlando (MCO) and the announcement of four dedicated freighters to start operating in the new year have all contributed to affirm WestJet Cargo’s position as a strong player in the demanding Canadian air freight market. But, it is above all by strengthening the team dedicated to cargo that WestJet Cargo has distinguished itself. The appointment of Kirsten De Bruijn as Executive Vice President, followed by the arrival of Bharat Bhatia as Head of Cargo Operations and Hao Cai as Manager of Network Planning, Revenue Management & Interline Analytics will certainly reap great rewards for the carrier in the coming months. In 2023, WestJet Cargo is due to continue to follow its clear vision to be the up-and-coming cargo carrier, providing customers with creative, agile and flexible solutions and always committing to reliability. Forthcoming recruitments will complete an already highly skilled and expert



Challenge Group takes off with AMOS

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International air cargo consortium **Challenge Group** has selected **AMOS** for **Challenge Airlines BE**, **Challenge Airlines IL**, **Challenge Airlines MT** and **Challenge Technic**. The AMOS Airline Edition will enable the airlines to streamline operations, increase efficiency and reduce overall maintenance costs by improving and digitising internal aircraft maintenance procedures. As part of the paperless maintenance process, the use of AMOSmobile/EXEC, a touch-optimised add-on to AMOS, will enable the paperless execution of all line- and base-maintenance activities. To complete the service package, Challenge Group has chosen Swiss-AS Cloud Hosting, which includes the proven AMOS Operation Services. With the use of secured VPN connections, its AMOS environment will be easily accessible from all its international operational bases. The hosting services are an effective method of eliminating the need for the group to maintain a technical infrastructure on site and enabling it to operate in compliance with the latest security and IT standards. In order to address the complex implementation project that has already begun, AMOS will be implemented in phases, due to the amount of AOCs that will be migrating from different legacy systems to AMOS. Challenge Group is aiming to unify all its different entities on a single AMOS environment which will enable the different entities to maximise the synergies and ensure a complete harmonisation of all the processes and data between them. The first phase of the project will focus on the Part 145 organisation and the second phase will include the different CAMO (Continuing Airworthiness Management Organisation) organisations going live one by one.

OTHER NEWS



Representatives from Sabre and PIA

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Sabre Corporation, a leading software and technology provider that powers the global travel industry, has announced the extension of two agreements with **Pakistan International Airlines (PIA)**. The national carrier of Pakistan has renewed its multi-year content distribution agreement with Sabre and the two companies have also agreed to continue their strategic joint venture partnership in the Pakistani market. The carrier and Sabre have had a successful GDS joint venture in Pakistan since 2004. The extension of the content distribution agreement means that PIA will continue to have full access to Sabre’s extensive global seller network. PIA will also continue to work with Sabre in a joint venture which allows the airline to better market and sell its content using Sabre’s advanced technological solutions, including the intuitive ‘Sabre Red 360’ point of sale, to Travel Agents across Pakistan. PIA services a vast network of locations across Pakistan and throughout Asia, Europe, and the Middle East and has ambitious plans to expand its network further.

OTHER NEWS

team of customer-oriented and open-minded professionals. It is also through its people that WestJet Cargo will achieve its mission: to ensure customer satisfaction through a unique creative approach based on human qualities, out-of-the-box thinking and a strong will power.

Alaska Airlines (Alaska) plans to hire more than 3,500 new employees this year in a variety of roles and functions. As the airline continues to grow and bring dozens of new airplanes into its fleet, the carrier needs thousands of people to join the Alaska family. From maintenance technicians to contact centre agents, flight attendants to pilots, customer service agents to software engineers, the airline will have jobs available for anyone who wants to be part of its team. Most of the new jobs are based at Alaska's hubs in Seattle and Portland, as well as locations up and down the West Coast. Benefits like the ability to work from home and flexibility of schedules are also available with some roles. Many of the positions do not require previous airline experience, so it's the perfect time to try a new career.

It was on Tuesday, January 10, in the afternoon that **air traffic controllers** in the U.S. discovered a glitch with the computer system that would require an entire reboot. The problem was discovered to be a corrupt file in the main Notice to Air Missions, or NOTAM. A corrupt file was also found in the backup system. The NOTAM is a critical and massive safety computer system that advises pilots of issues along their route



Departure board Terminal 2

© Munich Airport

A busy summer has gifted **Munich Airport** massive growth in all traffic figures in 2022: Passenger numbers rose by 19 million year-on-year to a total of 31.6 million. The airport has thus regained two-thirds of its record-breaking pre-pandemic result from 2019. The number of aircraft movements nearly doubled compared with 2021 to more than 285,000 take-offs and landings. The seat load factor of the aircraft in Munich equalled the record figure of 77.5% from 2018. With a total of 210 destinations in 63 countries, Bavaria's aviation hub now has excellent links with the global route network once again. After a weak first quarter, which was still influenced by the pandemic, demand for flights increased enormously. While only four million passengers were counted at Munich Airport over the first three months, the busy third quarter saw traffic of more than ten million travellers. The pent-up demand has been particularly noticeable in long-haul travel: since July, traffic between Munich and destinations in the U.S. has already been higher than the 2019 level. Since the flight schedule for winter 2022/2023 came into effect, this has also been true of traffic to destinations in India, South Korea, Singapore and Thailand. Air freight has also benefited from the boom in traffic at Munich Airport. In 2022, freight volume increased by 55% to a total of around 259,000 metric tonnes.

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OTHER NEWS

and at their destination. It was decided that the system reboot, which takes approximately 90 minutes, should be performed in the early hours of Wednesday morning before air traffic began flying on the East Coast in order to minimize disruption to flights. However, the reboot did not go according to plan and at approximately 7.30 a.m. ET the **FAA** issued a nationwide order to halt all domestic flight departures until the system was fully operational again. At 8.50 a.m. ET the FAA issued a statement saying that that the ground stop had been lifted and that normal air traffic operations were resuming across the U.S. However, the knock-on effect was considerable and even by the time the ground stop was lifted, the number of delayed flights had passed 4,000. By 5.22 p.m. ET that number had risen to over 9,000 flights with over 1,300 cancellations. Having cancelled tens of thousands of flights after Christmas following a systemwide meltdown **Southwest Airlines** saw some 377 flights cancelled, though rival carrier **American** was forced to cancel nearly 400 flights.

INDUSTRY PEOPLE



Lamberto Martinello

• **Lamberto Martinello** has been appointed Head of Communications and Corporate Branding for ATR, the regional aircraft manufacturer. He took up his position on January 1, 2023, and reports directly

to the CEO, **Nathalie Tarnaud Laude**. Martinello was previously Head of social media and digital marketing at the Italian Leonardo Group. Since 2005, he has held several senior positions there, covering all aspects of corporate communications. He has developed a strong expertise in the fields of internal and external communication, social media, digital marketing, e-reputation and crisis management.

• ST Engineering iDirect, a global leader in satellite communications, has named **Don Claussen** as its new CEO, effective January 2, 2023. Claussen will lead the company in expanding its global leadership and technology vision against a backdrop of rapid satcom industry transformation. Based in the U.S., Claussen brings with him over 15 years of industry experience and has transformed solutions development and delivery for global satcom companies. Claussen



Airbus UpNext has started testing new, on ground and in-flight, pilot assistance technologies, known as DragonFly © Airbus

Airbus UpNext, a wholly owned subsidiary of **Airbus**, has started testing new, on ground and in-flight, pilot assistance technologies on an A350-1000 test aircraft. Known as DragonFly, the technologies being demonstrated include automated emergency diversion in cruise, automatic landing and taxi assistance and are aimed at evaluating

the feasibility and pertinence of further exploring autonomous flight systems in support of safer and more efficient operations.

"These tests are one of several steps in the methodical research of technologies to further enhance operations and improve safety," said Isabelle Lacaze, Head of DragonFly demonstrator, Airbus UpNext. "Inspired by biomimicry, the systems being tested have been designed to identify features in the landscape that enable an aircraft to "see" and safely manoeuvre autonomously within its surroundings, in the same way that dragonflies are known to have the ability to recognise landmarks." During the flight test campaign, the technologies were able to assist pilots in-flight, managing a simulated incapacitated crew member event, and during landing and taxiing operations. Taking into account external factors such as flight zones, terrain and weather conditions, the aircraft was able to generate a new flight trajectory plan and communicate with both Air Traffic Control (ATC) and the airline Operations Control Centre.

Airbus UpNext has also explored features for taxi assistance, which were tested in real-time conditions at Toulouse-Blagnac Airport. The technology provides the crew with audio alerts in reaction to obstacles, assisted speed control, and guidance to the runway using a dedicated airport map. In addition to these capabilities, Airbus UpNext is launching a project to prepare the next generation of computer vision-based algorithms to advance landing and taxi assistance. These tests were made possible through cooperation with Airbus subsidiaries and external partners including **Cobham, Collins Aerospace, Honeywell, Onera** and **Thales**. DragonFly was partially funded by the **French Civil Aviation Authority** (DGAC) as part of the French Stimulus plan, which is part of the European Plan, Next Generation EU, and the France 2030 plan.

Travelport, a global technology company that powers bookings for hundreds of thousands of travel suppliers worldwide, and **Avianca Airlines**, headquartered in Colombia and a member of Star Alliance, have renewed their long-standing relationship with a new distribution agreement. As part of the new deal, Travelport-connected



Avianca Airlines Airbus A320

© Travelport

agencies will have access to Avianca's wide-ranging travel offers and ancillaries. Travelport will also support the airline's technological transformation with advanced retailing and merchandising capabilities available on the Travelport+ platform. "By renewing our partnership with Travelport, we expect to elevate our distribution strategy and make our NDC content even more accessible to our agency retail partners. Travelport continues to influence with its enhanced retailing and merchandising technology solutions which further support the agency community along with simplified access to our wide range of travel offers and ancillaries," said Catalina Nannig, Sales Vice President at Avianca.

INDUSTRY PEOPLE

joins ST Engineering iDirect from Intelsat General Corporation where he served as Vice President responsible for strategy, business development, product management and service delivery. During his time at Intelsat General Corporation, Claussen aligned the product development and service delivery teams to launch a multi-orbit capability, providing end users seamless access to GEO and LEO satcom services from a single user interface.

- Aircraft Finance Germany (AFG) has released that **Dr Joerg Andriof** has joined AFG as Chief Investment Officer. Dr Andriof has more than 22 years of industry and leadership experience. Prior to joining Aircraft Finance Germany in 2023, he held senior leadership positions at Titan Aviation Leasing, most recently as Chief Operating Officer, where he was leading the day-to-day management and ongoing development of Titan Singapore's activities including customer targeting, customer acquisition, aircraft acquisition and placement, financial planning and reporting and operations and strategic development. Earlier, he held senior level positions at DHL Express, Lufthansa and KPMG.



Avril Comerford

- Independent spare engine leasing company Engine Lease Finance Corporation (ELFC) has appointed **Avril Comerford** to the position of Executive Vice President and Chief Financial Officer with overall responsibility for the Finance function, replacing **Declan Sheedy** who is departing the company after 19 years of service to pursue other opportunities. Comerford has 20+ years of experience in the aviation industry. Following her qualification in 1998, she joined Ernst & Young as Audit Manager supporting various companies in the aviation industry, in 2001 she moved to Shannon Engine Support Limited (SES) progressing in the organisation to Chief Financial Officer. Comerford joined ELFC in June 2013 as Senior Finance Manager and since then has held several positions of increasing responsibility within the finance department. As of January 2019, she has held the position of Senior Vice President Finance, contributing notably to areas of digitisation, Japanese Sarbanes Oxley and large transactions such as business and asset acquisitions.



John M. Holmes

- AAR CORP. (AAR) has released that **John M. Holmes**, President and Chief Executive Officer of AAR has been named Chairman of the Board of Directors following the retirement of **David P. Storch**, the company's Chairman for 18 years. Holmes will continue as President and Chief Executive Officer of the company. Holmes joined AAR in 2001 as Director of Mergers and Acquisitions. In 2003, Holmes moved into operations, becoming General Manager of AAR's Parts Supply business and progressively assuming responsibility of other businesses before being appointed as President and Chief Operating Officer in 2017. In 2018, he was named President and Chief Executive Officer of AAR, the third since the company's founding in 1955. Under Holmes's leadership, AAR has achieved substantial growth in sales and profitability, while successfully navigating the company through the COVID-19 pandemic. As Chairman, Holmes will focus on strategies to drive continued growth while maintaining the Company's strong culture and core values.



Jon O'Connell

- Blueberry Aviation has added **Jon O'Connell** to its commercial aircraft team as Commercial Director Asia-Pacific. O'Connell has over 30 years' experience in aircraft leasing, trading, finance, marketing, technical evaluation and management and has worked in senior leadership positions for airlines, aircraft manufacturers and leasing companies in various global locations during his extensive, international career in the commercial aviation industry. In recent years he was the Dubai-based Chief Commercial Officer for DAE Capital. Before his move to Dubai, as the Managing Director Asia Pacific Sales for AWAS, he had been responsible for AWAS' regional presence for nearly 15 years having established the Singapore office in 2003. From 1995 to 2001, he was with Airbus' Commercial Department based in Toulouse as part of the Asset Management team and then in Sydney responsible for aircraft sales in the Asia Pacific region.

- StandardAero has appointed **Dan Satterfield** to serve as Chief Financial Officer (CFO). Satterfield is responsible for StandardAero's global financial strategies, day-to-day financial, accounting and tax operations, as well as performance, reporting and long-range business planning, including investor relations, treasury, controller and audit operations. He replaces **Mike Scott**, who is retiring after more than 33 years of dedicated service to StandardAero. Satterfield will be located at the company's Scottsdale headquarters office. Satterfield joined StandardAero from Honeywell Aerospace, after serving the past four years as Chief Financial Officer for Honeywell's US\$12 billion (£9.8 billion) aerospace portfolio of products and services. Prior to his service at Honeywell, he worked in senior executive financial leadership roles at Gates Corporation, Eaton, Cooper Industries and Siemens.

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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	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	Deucalion Aviation Limited	V2527-A5	4552	2010	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Now	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
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
A350-900	ORIX Aviation	TRENTXWB-84	391	2020	Now	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 86 335 0004
B737-300	Deucalion Aviation Limited	CFM56-3C1	4552	1998	Q2/2023	Sale	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
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	Oisin 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
B737 MAX 8	ALTAVAIR	Leap	43564	2022	Now	Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B737 MAX 8	ALTAVAIR	Leap	60135	2022	Now	Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
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	GE90-115B	34600	2006	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B777-300ER	ALTAVAIR	GE90-115B	39700	2009	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493



THE AIRCRAFT AND ENGINE MARKETPLACE

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200	Regional One	CF34-3B1	7925	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7926	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7937	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7941	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ER	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ER	Regional One	CF34-3B1	8059	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200LR	Regional One	CF34-3B1	7625	2002	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15215	2009	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15207	2008	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900ER	Regional One	CF34-8C5	15111	2007	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900ER	Regional One	CF34-8C5	15115	2007	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4042	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4100	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007	145508	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007	145515	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ170-100LR	Regional One	CF34-8E5	17000093	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
SAAB 2000	Jetstream Aviation Capital	AE2100A	031	1996	Now	Sale / Lease	Donald Kamenz	dkamenz@jetstreamavcap.com	+1 (305) 447-1920 x 115
SAAB 340B CRG	Jetstream Aviation Capital	CT7-9B	224	1990	Now	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102
SAAB 340B Plus	Jetstream Aviation Capital	CT7-9B	450	1998	Now	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102

Commercial Engines

AE3007 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) AE3007A1E	Now - Lease	Aircraft and Engine Lease Corp.		fleetmanager@aalc.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) CF34-10E5	Now - Sale / Lease	DASI	Joe Hutchings	joe.hutchings@dasi.com	+ 1 954-478-7195
(3) CF34-10E6	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CF34-10E7	Now - Lease				
(1) CF34-8C5A1	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) CF34-8C5B1	Now - Sale/Lease/Exch.				
(3) CF34-8E5A1	Now - Sale/Lease/Exch.				
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717



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				
(2) 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				
(2) CFM56-5C4/P	Now - Lease				
(2) CFM56-5C4	Now - Lease				
(1) CFM56-7B26E	Now - Lease				
(2) CFM56-5B5/P	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7040
(1) CFM56-5B4/P	Now - Sale / Lease				
(2) CFM56-5B6	Now - Sale / Lease				
(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) CFM56-7B24/E	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(2) CFM56-7B27E/B1F	Now - Lease				
(2) CFM56-5B3/3	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) CFM56-7B27	Now - Lease				
(2) CFM56-7B26	Now - Sale				
(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	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(3) LEAP-1B28	Now - Lease				
PW1100G Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW1100G-JM	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
(1) PW4168A	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(2) PW4168A	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
(1) 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) PW150A	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW121	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(1) PW123	Now - Sale/Lease/Exch.				
(1) PW127F	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.	Regional One	Duane Butler	dbutler@regionalone.com	+1 561-809-0001
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(2) Trent 772B-60	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.				
(3) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2524-A5	Now - Lease				
(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@ftaiairline.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
(1) 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	
(2) V2533-A5	Now - Sale / Lease				
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) APS3200	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
((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
(3) GTCP131-9B, (1) GTCP131-9A		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(1) GTCP331-350, (1) GTCP331-500, (2) APS3200B, (3) APS3200C					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000			Ricky Torres	stands@gatelesis.com	+1-954-676-3111
(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	Now - Lease				
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368



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