

Weekly Aviation Headline News

“These actions are central to a comprehensive plan we will soon deliver to the FAA.”
Stan Deal, CEO Boeing Commercial Airplanes



Boeing 737-Max9

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Boeing's Action Plan: Addressing Audit Discoveries

Non-compliances- not following approved processes and procedures

In a recent message to employees, Stan Deal, CEO of Boeing's commercial airplanes unit, addressed recent assessments of the company's operations and shared actions being taken to enhance safety and quality. The message underscored the importance of employee feedback, regulatory insights, and customer input in driving improvements across the organization.

"As we conduct quality stand downs across our company, your improvement ideas have been invaluable. We have used your feedback, and those from our regulator and customers, to take immediate actions to strengthen our safety and quality. These actions are central to a comprehensive plan we will soon deliver to the FAA."

Deal highlighted the invaluable role of employee improvement ideas in the ongoing efforts to strengthen safety and quality within Boeing. He emphasized the incorporation of feedback from both regulators and customers in shaping immediate actions aimed at bolstering safety protocols and quality standards. These actions, Deal noted, are central components of a comprehensive plan that will soon be delivered to the Federal Aviation Administration (FAA).

One significant aspect addressed in the message was the recent FAA production audit conducted at Boeing's Renton factories. Deal outlined the audit's focus on scrutinizing production and quality control processes, including examination of work instructions, mechanic monitoring, and defect inspections. He acknowledged that the majority of audit non-compliances stemmed from deviations from approved processes and procedures.

In response to the audit findings, Boeing has initiated several actions to enhance quality control:

- Working with each employee noted with a non-compliance during the audit to ensure they fully understand the work instructions and procedures
 - Implementing weekly compliance checks for every 737 work cell, as of March 1
 - Dedicating time in each shift for mechanics to complete compliance and FOD sweeps
 - Auditing all toolboxes and removing any box that isn't fully compliant
 - Planning additional audits this month of the 737 program to ensure full compliance
- Deal also addressed the findings of an independ-

ent panel of industry experts tasked with reviewing Boeing's Safety Management System (SMS). While acknowledging that the SMS reflects global standards, Deal highlighted the panel's recommendations for simplifying and streamlining procedures and enhancing the connection between metrics and safety outcomes.

Boeing teams are actively working to address these recommendations by simplifying processes and improving procedural clarity.

- Precisely follow every step of our manufacturing procedures and processes. These have been designed to ensure conformance to specifications and compliance to regulatory requirements. We can and should update procedures and processes, but until then, we must adhere to the existing ones.
- Always be on the lookout for a potential safety hazard or quality escape. If you spot an issue, you are fully empowered to report it through your manager or the Speak Up portal, so we address it right away rather than travel the risk to the next person or position.

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Deal mentioned that progress is being made by teams in various critical areas, encompassing:

- Reducing traveled work in our factories, including minimizing the need for rework of parts coming from our suppliers. Through our collaboration with Spirit AeroSystems, we have implemented additional inspection points at their facility in Wichita. As such,

starting March 1, teams there have been ensuring first-pass quality before any fuselages are shipped to Renton.

- This week, we will deploy our Safety Management System to conduct new reviews of travelled work within our four walls. We will assess our status in the factory and, if needed, put mitigation plans in place. We will not hesitate in stopping a production line or keeping

an airplane in position.

In conclusion, Deal reiterated the importance of employee engagement and encouraged continued participation in quality stand downs and reporting mechanisms such as the Speak Up portal. He expressed gratitude to employees for their commitment to compliance and dedication to ensuring safety and quality across all aspects of Boeing's operations.

AIRCRAFT & ENGINE NEWS

Air New Zealand pauses Auckland–Chicago service due to Trent 1000 engine challenges

Air New Zealand will pause its Auckland – Chicago non-stop service from March 31 to October 25, 2024. The route is being put on hold due to ongoing challenges with the availability of serviceable Rolls-Royce Trent 1000 engines which is impacting airlines around the world. These are the engines used on Air New Zealand's Boeing 787 aircraft. Air New Zealand Chief Customer and Sales Officer Leanne Geraghty says it was a difficult decision to make, but one that results in the least number of customers impacted. "We know this will be disappointing for customers travelling to and from Chicago during this period, especially to those travelling over the upcoming April holiday break. It's not a decision we've made lightly and we're sorry to make this change so close to the time some customers plan to fly. Unfortunately, Air New Zealand continues to be impacted by challenges with availability of Rolls-Royce Trent 1000 engines, meaning we will now have up to three aircraft unavailable for an extended period, so we've had to review our schedule. We made the tough decision to temporarily pause the Chicago route while maintaining our schedule of up to 35 flights each week to six ports across the U.S. and Canada, so there are still plenty of options to get to Chicago, the U.S., and beyond." The Rolls-Royce Trent 1000 engines typically undergo extensive maintenance after 1000 engine cycles, involving removal and inspection by the offshore manufacturer. However, Air New Zealand engineers discovered the need for maintenance at 750-850 cycles during routine inspections. Unfortunately, Rolls-Royce has been unable to supply spare or replacement engines, impacting Air New Zealand's ability to maintain its usual service levels through its 787 fleet.

SMBC delivers Airbus A320-271NX to JetSMART



SMBC has delivered one A320-271NX to JetSMART

© SMBC Aviation Capital

SMBC Aviation Capital (SMBC) has announced the delivery of one Airbus A320-271NX aircraft (MSN 11904) to JetSMART Airlines. The aircraft was delivered while located at the Airbus facilities in Toulouse, France. This is the final of five aircraft contracted between SMBC Aviation Capital Limited and JetSMART Airlines, as part of a two A320neos

plus three A321neos from SMBC's direct orderbook with Airbus. JetSmart Airlines SpA, stylised as JetSMART, is a South American ultra-low-cost carrier created by U.S. investment fund Indigo Partners, which also controls low-cost carriers like U.S. airline Frontier Airlines, Mexico's Volaris and Hungary's Wizz Air.

Corsair takes delivery of first Airbus A330neo from AerCap

Aircraft leasing company AerCap has successfully delivered the initial Airbus A330neo out of a series of four to Corsair. The remaining trio of aircraft is set to be handed over to Corsair throughout 2024. Pascal de Izaguirre, CEO of Corsair, emphasised the significance of this milestone, stating, "With the receipt of this new A330neo, Corsair embarks on the second and



Corsair has taken delivery of one Airbus A330neo from AerCap

© AerCap

final phase of our fleet renewal plan. By the close of 2024, an additional four A330neos will join our fleet, with the first slated for deployment in service to destinations in the French West Indies starting March 19. Subsequent operations will include flights between France and the Ivory Coast, commencing in April. By year-end, all Corsair routes will be operated exclusively by A330neo aircraft, ensuring one of the youngest and environmentally conscious fleets globally, thereby enhancing our customers' travel experience." Corsair, a French long-haul airline with a workforce of 1,118, transports 1.5 million passengers annually to destinations including the Caribbean, Indian Ocean, Africa and Canada. Operating from various French cities, Corsair aims to offer a modern, sustainable travel experience with its rejuvenated fleet.

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AIRCRAFT & ENGINE NEWS

Textron receives order for two Cessna Grand Caravan EX turboprop aircraft

Textron Aviation has been awarded a contract by the U.S. Army Contracting Command, Redstone Arsenal, AL, for two Cessna Grand Caravan EX turboprop aircraft. The aircraft will be owned and operated by the Djiboutian Air Force (DAF). This acquisition is the third delivery order under a recently established indefinite delivery, indefinite quantity (IDIQ) contract that allows up to US\$100 million (£79 million) for the acquisition of Textron Aviation aircraft over a five-year period. "The two special missions Cessna Grand Caravan EX aircraft will be Intelligence, Surveillance and Reconnaissance equipped to ensure the border sovereignty of the country of Djibouti," said Bob Gibbs, Vice President, Special Mission Sales for Textron Aviation. This order follows the recent placement of delivery orders for three Beechcraft King Air 360ER aircraft two destined for the Peruvian Naval Aviation Force (Fuerza de Aviación Naval) and one the Ecuadorian Naval Aviation (Aviación Naval Ecuatoriana). With the addition of the two Cessna Grand Caravan EX for the Djiboutian Air Force, five aircraft have been ordered under the IDIQ contract. The Cessna Caravan platform has seen more than 3,000 aircraft delivered that are certified in 100 countries with nearly 24 million flight hours amassed worldwide since the aircraft was introduced. Caravans fulfil roles for multiple missions, ranging from flight training to recreation, commuter airlines to VIP transport, cargo carriers and humanitarian missions. The Grand Caravan EX aircraft is known for its dependable and efficient performance by regional airlines, charter operators, cargo carriers and special missions operators worldwide. The aircraft offers an impressive output of 867 horsepower and a rate of climb of 1,275 feet per minute.



Two Cessna Grand Caravan EX aircraft will be equipped to ensure the border sovereignty of the country of Djibouti © Textron Aviation



The Embraer E195-E2 and E190-ES aircraft have received ETOPS-120 approval © Embraer

Embraer achieves ETOPS-120 approval for E190-E2 and E195-E2 jets

Embraer has secured 120-minute extended twin-engine operations (ETOPS) approval for the E190-E2 and E195-E2 from Brazil's Civil Aviation Authority ANAC (Agência Nacional de Aviação Civil), FAA (Federal Aviation Administration), and EASA (European Union Aviation Safety Agency). This milestone paves the way for E2 operators to conduct direct non-limiting routes over water and other remote areas, resulting in significant time and fuel savings. The granting of ETOPS-120 capability underscores the aircraft's design excellence and system maturity. ETOPS certification necessitates the fleet of aircraft in operation to achieve cumulative flying hour milestones. Delays in ETOPS certification for the E2 were experienced due to the global pandemic, which substantially reduced aircraft operations, slowing the accumulation of required flying hours. Arjan Meijer, President, and CEO of Embraer Commercial Aviation, emphasized the significance of ETOPS as an additional capability for the E2. He stated, "ETOPS is an important additional capability for the E2, and a key enabler for more sales, especially in Asia Pacific. Airlines flying routes with up to 120-minute diversion time will be able to use straighter, quicker, and more fuel-efficient routes, and have access to more diversion airports. ETOPS capability is a further optimization of the E2, already the most fuel-efficient aircraft in its segment."

MRO & PRODUCTION NEWS

SkyDrive initiates production of SD-05 eVTOL aircraft at Suzuki Facility

Japanese eVTOL aircraft manufacturer SkyDrive has officially initiated the production of its SKYDRIVE (SD-05) aircraft at the manufacturing plant of Suzuki Motor Corporation in Iwata-city, Shizuoka, Japan. This development marks a significant stride in SkyDrive's mission to revolutionise urban air mobility. Dedicated to providing safer, more affordable, quieter, and emission-free aerial mobility solutions, SkyDrive has taken pivotal steps towards achieving this objective. The establishment of Sky Works Inc., its manufacturing arm, and the strategic partnership with Suzuki underscore the company's commitment to innovation. With the capability to manufacture up to 100 eVTOLs annually, SkyDrive is well-positioned to address the increasing demand for urban air mobility solutions. Tomohiro Fukuzawa, CEO of SkyDrive, expressed: "Partnering with Suzuki, a renowned automotive manufacturer, is a momentous occasion for SkyDrive. It is the beginning of a new phase. We share a goal of quality, innovation, and customer satisfaction, making them an ideal partner in our quest to revolutionize urban air mobility." In line with its commitment to showcasing the potential of eVTOL technology, SkyDrive plans to operate its SKYDRIVE eVTOL aircraft at Expo 2025 Osaka, Kansai, Japan. Established in September 2023 as a subsidiary of SkyDrive for eVTOL aircraft production, Sky Works Inc. operates from Suzuki's manufacturing plant in Iwata-city, Shizuoka, with a production capacity of up to 100 eVTOLs per year. Nobuo Kishi serves as the President of the company.



Rendering of SKYDRIVE eVTOL aircraft

© SkyDrive

MRO & PRODUCTION NEWS

TP Aerospace establishes MRO facility in Brisbane, Australia

In March 2023, TP Aerospace embarked on a journey to establish an additional wheel and brake maintenance and warehouse facility in Australia. After the final audit, the new facility in Brisbane is officially open. In January 2024, the facility in Brisbane passed the final audit and received approval from the Civil Aviation Safety Authority (CASA). The audit was successfully completed by CASA on January 17, 2024, with no findings, and subsequently the CASA certificate of approval was issued on the January 24, with the team ready to start production. The first wheel was completed and released to service on February 6, 2024, and since then, the activity has increased with more and more wheels being serviced. "There are still some minor adjustments required to the setup and processes, however the team and the facility will only grow from here and we look forward to adding more customers in the future," commented Regional COO of Oceania, Peter Luthaus. In the second quarter of 2023, TP Aerospace signed a new five-year exclusive agreement with long-time customer, Virgin Australia, covering the full fleet of 737NG and 737MAX aircraft. Virgin Australia has been partnering with TP Aerospace since 2016, when the company first entered the Australian market with a facility in Melbourne. The new facility in Brisbane is the company's second establishment in Australia and is a key to supporting the expansion of the partnership with Virgin Australia while also catering to other customers in the region.



Mechanics of the Brisbane facility showing the new certificate from CASA
© TP Aerospace

ACTSI obtains FAA approval for wheel and tire shop services



TJ Trinidad, Vice President - Business Development at ACTSI
© ACTSI

Aviation Concepts Technical Services Incorporated (ACTSI), has recently completed and obtained FAA approval for wheel and tire shop services (WTSS) under its current Limited Accessory Rating. WTSS offers tire change, tear down and build up with NDT (as required) on 19 different wheel assembly part numbers ranging from Gulfstream models G280, GIV-X (G350/G450), GV-SP (G550), G650/G650ER, Textron Beechcraft King Air B200 / B300 models, Bombardier Global XRS and Global 7500 jets. With safety and quality always at the forefront, ACTSI remains committed to pushing the boundaries through unparalleled customer service and experience. The WTSS compliments ACTSI's current component support services such as its sheet metal repair shop and battery repair shop (NiCad and sealed lead acid battery (SLAB)). "We are in constant pursuit of redefining MRO standards in the region and adding the Wheel and Tire shop to our suite of support services helps bolster our existing repair station services. This in turn helps solidify ACTSI's reputation as a key player in the MRO sector in Asia," commented TJ Trinidad, Vice President - Business Development at ACTSI. Established in 2010, Aviation Concepts Technical Services Inc. (ACTSI) was acquired by Razon & Co. in 2018 and is based in Subic Bay, Philippines. ACTSI is dedicated to providing quality services for corporate jets in Asia-Pacific including maintenance, repair and overhaul services and hangar parking. ACTSI is an FAA 145 Repair Station with other approvals such as Cayman AMO, Bermuda AMO, San Marino and Philippines CAAP AMO.

Akaer to manufacture forward fuselage for new D328eco™ aircraft

The Brazilian aerospace and engineering company Akaer has been selected by German OEM Deutsche Aircraft to manufacture the forward fuselage of the D328eco, the sustainable 40-seater turboprop aircraft for the regional aviation market. Akaer will be responsible for the manufacturing of the forward fuselage, including industrialisation, tooling, prototype and related studies. Akaer's agreement with Deutsche Aircraft is a significant achievement that strengthens its position in the global aerospace industry. Deutsche Aircraft has recognised Akaer's expertise in design engineering and the comprehensive assembly of the forward fuselage as decisive advantages. This Brazilian company is capable of designing and delivering large structural assemblies for the aerospace industry worldwide and Brazil has solidified its position as the third-largest aircraft manufacturer in the world. Brazil has the fifth-largest airspace in the world and is currently focused on the expansion of regional aviation. Around US\$ 600 million (£472 million) has been invested to connect the vast community by air and this collaboration will support Brazil's initiatives to enhance its expertise and capacity in both regional aviation and aerospace manufacturing. With the second-largest general aviation fleet worldwide, Brazil has the potential to upgrade with the multi-role configuration of the D328eco, which can cater to its executive, aeromedical and agricultural aviation demands. The turboprop market share in Brazil has grown by 344% over the last ten years. The first delivery of the D328eco forward fuselage is scheduled for the end of 2025 and will initially be produced in Brazil at the facilities in São José dos Campos.



Akaer has been selected to manufacture the forward fuselage for the D328eco aircraft
© Deutsche Aircraft

MRO & PRODUCTION NEWS

GE Aerospace to invest over US\$650 million in manufacturing facilities, supply chain in 2024

GE Aerospace has revealed its intention to inject US\$650 million into its manufacturing facilities and supply chain this year. The investment aims to boost production capabilities and enhance quality to better serve both commercial and defence clientele. H. Lawrence Culp, Jr., Chairman and CEO of GE and CEO of GE Aerospace, stated, "As GE Aerospace prepares to become a standalone company this spring, we are making significant investments in the future of flight and in the dozens of communities and supplier partners helping us build it. These investments are part of the next chapter for GE Aerospace, supporting cutting-edge equipment and safety enhancements that will help us meet our customers' growing needs." The 2024 investment plan allocates nearly US\$450 million for new machines, inspection equipment, building upgrades and new test cells and safety enhancements across 22 GE Aerospace facilities in 14 states. An additional US\$100 million will be directed to U.S.-based supplier partners. Specific investments include US\$54 million to Auburn, Ala., for additional additive (3-D printing) machines and tooling to increase the production of military rotorcraft engine components, along with narrow- and wide-body commercial aircraft engines. Additive manufacturing enhances performance and fuel efficiency while reducing weight and part count. US\$30 million will be allocated to Lynn, Mass., for engine assembly and testing, supporting the production of US and allied military helicopter and fighter jet engines. Additional funds will be used for facility maintenance and build on investments made in 2023. US\$46 million will go to four North Carolina facilities producing parts and assembling engines for narrow- or wide-body commercial engines to meet growing demand. Specific allocations include US\$11 million for high-precision machines in Asheville, more than US\$7 million for tooling and equipment in Durham, almost US\$5 million for quality inspection equipment and machinery in West Jefferson and US\$22 million for machines and specialised tooling in Wilmington. US\$107 million will be directed to facilities in the greater Cincinnati region for additional additive manufacturing machines, new tooling and equipment, and modernisation and upgrades to test cells, increasing production capacity for engines used in commercial aircraft and U.S. and allied military helicopter and fighter jets. The remaining US\$100 million will fortify the U.S. supply chain, aiding suppliers in building and maintaining the necessary capacity and capabilities for sustained growth. These suppliers contribute materials (castings and forgings) and some early-stage parts for commercial and military engines. In addition, to support its global clientele, GE Aerospace plans to invest approximately US\$100 million at some of its international sites in North America, Europe, and India. (£1.00 = US\$1.27 at time of publication).



GE Aerospace's investment plan calls for nearly US\$450 million to go toward new machines, inspection equipment, building upgrades and new test cells and safety enhancements
© GE Aerospace

GA-ATS completes new paint job for Global 7500 business jet



The Global 7500 business jet with the new livery

© GA-ATS

German aircraft manufacturer General Atomics AeroTec Systems (GA-ATS) has carried out a completely new paint job for a Global 7500 Business Jet at the VIP Paint+ Shop on its factory premises in Oberpfaffenhofen. The aircraft, which was newly built by Bombardier, received a completely new livery at the EDMO Munich-Oberpfaffenhofen airport. It was delivered with a bare aluminium surface and only one protective primer layer to receive a brand-new initial paint by GA-ATS. The aircraft was delivered as a "Green Aircraft", which means that this aircraft is from the new Bombardier production line, to receive its factory painting. The paint process of the Global 7500 included the application of the functional corrosion protection, a sanding primer and the manual filling of all rivets in the fuselage area. This was followed by the multi-coat metallic paint. The final step was the clear paint finish with two coats. The jet was given an impressive design with a 25-metre stripe design from the tail to the cockpit. A total of eight colour-shades were mixed from three different orange and red colours to create an even, homogeneous colour flow from light to dark over the length of the design strip. The Eagle logo and all labelling was applied using stencils created on the computer. Up to eight GA-ATS painters worked on the aircraft at the same time. In addition to the painters' outstanding skills, this also requires perfect coordination within the team. Finally, the last cosmetic finishing-touches were added, and minimal colour adjustments were made in the final work step, the so-called detailing. Representatives of the customer and Bombardier were present at the final acceptance. They were very pleased with the work, mentioning that the execution of the paint was very well done for such a complex colour scheme. The painting of the Global 7500 thus joins the long list of highlight projects from the VIP Paint+ Shop of GA-ATS. The company operates a one-stop-shop for aircraft in the heart of Europe. In addition to MRO, upgrades and modifications for the Do228 and Embraer and Bombardier Business Jets, the VIP Paint+ Shop at the Oberpfaffenhofen site can paint almost all aircraft sizes with the highest quality.

FINANCIAL NEWS

Jet Zero Australia raises AU\$29 million in funding supported by Qantas, Airbus and Idemitsu



Jet Zero CEO Ed Mason

© Jet Zero

Jet Zero Australia has achieved a significant milestone by successfully receiving funding commitments of AU\$29 million. This is a crucial step towards advancing the engineering activities of Jet Zero Australia's flagship alcohol-to-jet (ATJ) SAF project, Project Ulysses, in North Queensland, Australia. Funding will also support advancement of other renewable fuel opportunities in the region, many of which will leverage and support Queensland's globally competitive agricultural sector. The placement, managed by Barrenjoey, has been strongly supported by Jet Zero Australia's foundational investors, including Qantas and Airbus who are committed to accelerating the establishment of a SAF industry in Australia. The company also announced the addition of a new strategic shareholder, Idemitsu Kosan Co Ltd (Idemitsu), one of Japan's largest energy conglomerates. This marks Idemitsu's first investment in a SAF project outside Japan. Jet Zero Australia CEO, Ed Mason, commented: "Project Ulysses will play a very important role in the growing momentum towards decarbonising the Australian aviation sector while providing fuel security and also developing a new industry in North Queensland. The ongoing support from Qantas and

Airbus, two leaders in the Australian and international aviation sectors, as well as ongoing investment from our existing shareholders Chancery Hill, Dragonfly Enviro Capital and Audacy has remained crucial to the project's success. We also welcome Idemitsu as a strategic shareholder with significant financial backing and capabilities in project development and renewable fuels. Alongside Qantas and Airbus, the addition of Idemitsu is a huge boost in our ability to fund the success and future development of our Australian SAF projects." Project Ulysses, which has now completed a feasibility study initiated in 2022 with the backing of a AU\$760,000 grant from the Queensland Government and has recently applied for additional grant support from the federal government which, if successful, will further assist the Project's continued development into front end engineering and design (FEED). Jet Zero has also made an application to the Queensland Government's Industry Partnership Programme to assist the Project move towards final investment decision (FID), construction and operation of the facility. Project Ulysses is targeting annual production of 102 million litres of SAF and 11 million litres of renewable diesel once operational. (£1.00 = AU\$1.94 at time of publication).

Crosslake Group expands portfolio with acquisition of two component MRO firms

Crosslake Group, a private financial firm specialising in investments in privately held aerospace and defence enterprises, has successfully acquired two prominent maintenance, repair and overhaul (MRO) companies based in South Florida. The acquired companies, Continental Aircraft Support, Inc. (Continental) and Magnum Aircraft Repair Services, Inc. (M.A.R.S.), are now integral members of Crosslake's aftermarket aviation parts investment platform (Parts Platform). Led by Aeromax Industries (Aeromax), the Parts Platform offers tailored customer solutions, including parts manufacturing, repairs and overhauls, spare parts sourcing, parts exchange and comprehensive fleet management programmes. The collaboration between Aeromax, Continental and M.A.R.S. in MRO repair capabilities is set to provide an unparalleled integrated aftermarket parts strategy to international customers, surpassing offerings from industry giants, according to Frank Cowle, Amplified Strategic Growth, a key player in the acquisition process. Tom Brizes, Executive Vice President of Sales and Marketing at Aeromax, expressed enthusiasm about combining the capabilities and strengths of these exceptional companies to offer a wide range of solutions to their collective customer base. Crosslake's strategic objective is to position the Parts Platform as a vital and trusted supply chain partner favoured by governments, airlines and aftermarket integrators. The addition of Continental and M.A.R.S. represents a significant step towards achieving this goal. Grant Dunham, a partner at Crosslake, welcomed the new partners at Continental and M.A.R.S. – Carlos Rodriguez, Luis Ezra, and Sean McGinn. He highlighted their customer-focused approach in building component MRO businesses that strongly align with Crosslake's core values. Dunham expressed excitement about supporting and welcoming the new partners in their continued leadership roles, aiming to take these businesses to the next level. Founded in 2003 and headquartered in Fort Worth, Texas, with additional offices in Seattle, Washington, Crosslake has a successful track record of investing in various operating companies. The firm provides liquidity to existing owners of aerospace and defence businesses with gross revenues ranging from US\$5 million to US\$50 million. Beyond capital infusion, Crosslake's investment and operations team actively assists portfolio companies in strategic planning, risk management and finance. Crosslake remains actively engaged in its investment strategy and welcomes discussions with aerospace and defence companies that could benefit from its investment. (£1.00 = US\$1.28 at time of publication).



© Aeromax

FINANCIAL NEWS

Rolls-Royce to invest £55 million in the UK and Germany to meet demand for civil large engines

Rolls-Royce has announced significant investments in its assembly, test and shop visit capacity in the UK and Germany to address the increasing long-term demand for new civil large engines and enhance customer aftermarket support services for its global Trent engine fleet. According to projections outlined at last year's Capital Markets Day, Rolls-Royce anticipates an annual increase of 7 - 9% in Rolls-Royce-powered aircraft in service for the remainder of the decade. Additionally, the company forecasts engine flying hours to reach 120 - 130% mid-term compared to 2019 levels. To prepare for this growth trajectory, Rolls-Royce is investing £55 million and recruiting over 300 individuals, distributed between its operations in Derby, UK, and Dahlewitz, Germany. Approximately half of the investment and about two-thirds of the job opportunities will be located in Derby. The investments encompass: Expansion of engine build capacity in Derby, aiming to deliver over 40% more new engines per year starting from 2025, compared to the average deliveries over the last decade. This expansion will also augment service capacity. Utilization of existing engine test capability for civil large engines in Dahlewitz to meet near-term services demand before transitioning to assemble and test new Trent XWB-84 engines in 2026. These investments follow the recent announcement of a £1 billion investment in a continuous improvement program for the Trent engine family.

BOC Aviation reports final results for year ended December 31, 2023

In the fiscal year ending on December 31, 2023, BOC Aviation's (BOC) financial performance demonstrated significant growth and resilience. Total revenues and other income experienced a notable 7% increase year-on-year, reaching US\$2.5 billion. A remarkable net profit after tax of US\$764 million was achieved, a substantial rise from US\$20 million in 2022. Core net profit after tax stood at US\$547 million, excluding US\$217 million of net after-tax recoveries related to aircraft in Russia. This marked a slight increase from the core earnings of US\$527 million in 2022, excluding the net impact of the write-down of aircraft in Russia. Earnings per share amounted to US\$1.10, with net assets per share totalling US\$8.28. Operating cash flow, net of interest, saw an 8% uptick, reaching US\$1.6 billion. As of December 31, 2023, total assets surged

WLFC posts record financial results for 2023



WLFC has posted annual total revenues of US\$418.6 million and pre-tax income of US\$67.1 million © Shutterstock

Willis Lease Finance Corporation (WLFC) has posted annual total revenues of US\$418.6 million and pre-tax income of US\$67.1 million. Lease rent revenue increased by US\$50.6 million, or 31.1%, to US\$213.1 million in 2023, compared to US\$162.6 million in 2022, primarily reflecting an increase in the number of engines acquired and placed on lease, including growth in utilisation compared to that of the prior period. WLFC reported maintenance reserve revenue of US\$133.7 million in 2023, an increase of 60.2%, compared to US\$83.4 million in 2022. Engines out on lease with "non-reimbursable" usage fees generated US\$118.3 million of short-term maintenance revenues in 2023, compared to US\$47.4 million in the prior year. There was US\$15.4 million of long-term maintenance revenue recognised in 2023, compared to US\$36.0 million in the prior year. As of December 31, 2023, and 2022, there were US\$28.4 million and US\$6.3 million, respectively, of deferred in-substance fixed payment use fees included in Unearned Revenue associated with engines on short-term leases. 2023 annual lease rent and maintenance reserve revenues represent all-time highs in the company's 40+ year history. WLFC's spare parts and equipment sales decreased to US\$20.4 million in 2023, compared to US\$27.0 million in 2022. The decrease in spare parts sales reflects variations in the timing of sales. Gain on sale of leased equipment was US\$10.6 million in 2023, reflecting the sale of 28 engines, one airframe and other parts and equipment. Gain on sale of leased equipment was US\$3.1 million in 2022, reflecting the sale of 25 engines. WLFC generated US\$67.1 million of pre-tax income in 2023, compared to US\$9.8 million in 2022. The book value of lease assets directly owned or through joint ventures, inclusive of the company's notes receivable, maintenance rights, and investments in sales-type leases, was US\$2,495.4 million as of December 31, 2023. The company successfully accessed the capital markets on multiple occasions in 2023, raising US\$410 million in Asset-Backed Security (ABS) financings, refinancing its credit facility, and accessing the Japanese Operating Lease with Call Option (JOLCO) market on numerous occasions. Diluted weighted average income per common share was US\$6.23 for 2023, compared to US\$0.33 in 2022. Book value per diluted weighted average common share outstanding increased to US\$67.73 on December 31, 2023, compared to US\$64.27 on December 31, 2022. (£1.00 = US\$1.28 at time of publication).

to US\$24.2 billion, marking a 10% rise from 2022. New debt financing of US\$4.1 billion was successfully secured, consisting of US\$2.5 billion in loans and US\$1.7 billion in bonds. Strong liquidity was maintained, with US\$5.6

billion on hand, including US\$392 million in cash and cash equivalents, along with US\$5.2 billion in undrawn committed credit facilities by the end of December 2023. (£1.00 = US\$1.28 at time of publication).

FINANCIAL NEWS

CAMP Systems International to acquire a portfolio of aviation software businesses

CAMP Systems International (CAMP), a unit of Hearst, has agreed to acquire a portfolio of aviation software businesses from Miami-based World Kinect Corporation. The businesses include the Avinode Group, an air charter sourcing platform and World Kinect's portfolio of aviation software serving fixed-base operator's (FBO), delivering a range of aeronautical services such as fuelling, hangaring, tie-down and parking, aircraft maintenance. The announcement was made by Hearst President and CEO Steven R. Swartz and CAMP President and CEO Sean Lanagan. The closing of the transaction is subject to customary closing conditions. CAMP is the premier aircraft health management and enterprise information systems solution for business aviation. It also operates the largest digital marketplace for parts, services and aerospace business intelligence. Commenting on the acquisition, Lanagan said: "We are excited to acquire the Avinode Group and FBO products with their strong track record of delivering innovative, market-leading solutions. This acquisition represents a complementary extension of our business and platform, to bring exciting new opportunities to the market and better serve our expanding customer base." CAMP's aircraft health management services are provided to 20,000 aircraft and over 30,000 engines. CAMP's software solutions support over 1,500 service centre and maintenance, repair and overhaul organizations. Its global digital marketplaces enable over 30,000 users to execute millions of business transactions annually.



CAMP has agreed to acquire Avinode Group and Aviation FBO software products from World Kinect Corporation © Shutterstock



**MAINTAINING
THE MAGIC OF FLIGHT**

ARIZONA - NEW MEXICO



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MILITARY AND DEFENCE

Honeywell cooling technology will enable next generation of the F-35



Honeywell has demonstrated the ability to upgrade the current cooling capacity of the F-35's PTMS to 80kW © Honeywell

Honeywell has successfully demonstrated the ability to upgrade the current cooling capacity of the F-35's power and thermal management system (PTMS) to 80kW. Honeywell has been the supplier of the F-35's PTMS for the past two decades and will now be best-positioned to support future mission systems' modernisation requirements. With this significantly enhanced cooling capability, Honeywell now far exceeds the current 32kW cooling needs of the U.S. military and its allied partners. Although Honeywell's PTMS meets the current airframe requirement in service for the F-35, the F-35 Lightning II Joint Programme Office (JPO) indicated in 2023 that more cooling power would be needed in the F-35 to support advanced avionics in future generations of aircraft. Honeywell has now proved it can offer a low-risk and affordable solution that meets the JPO's future needs all while utilising the existing supply base and sustainment network. To demonstrate the 80kW cooling capability, Honeywell used a digital twin of the PTMS, which utilised data from over

2,500 hours of performance testing in Honeywell's test facility and more than 750,000 hours of in-flight experience. The digital twin incorporated low-risk advancements to heat exchangers and controls changes that further optimise system performance. These modest changes significantly increased cooling potential, while simultaneously maintaining all existing critical interfaces with airplane thermal systems without invasive redesigns or concurrency. Honeywell's PTMS is a proven, low-risk solution that has undergone years of development and decades in service. Since 2006, more than 1,000 PTMS have been delivered, with more than 750,000 flight hours logged and an extensive network of sustainment depots established across the globe. In addition to providing cooling systems aboard the F-35, PTMS also serves many other purposes critical to flight safety.

Embraer Defense & Security and ST Engineering to boost cooperation

Embraer Defense & Security and ST Engineering have announced that they will jointly explore alternatives for future collaboration in key identified areas such as engineering, maintenance and support service activities for the C-390 Millennium multi-mission transport aircraft in the Asia Pacific region. In addition, both companies will cooperate on products and services including radars and land systems, C4ISTAR, border security, simulation and advanced production methodologies which will support ST Engineering's portfolio of capabilities in South America. The cooperation is based on a memorandum of understanding (MoU) signed in February during the Singapore Airshow 2024 and reinforces Embraer's growing presence in the aerospace and defence ecosystem through strategic partnerships. "We see strong synergies between ST Engineering's capabilities in defence and the MRO sector and Embraer Defense & Security's complete line of integrated solutions and we look forward to fostering stronger ties with ST Engineering," said Bosco da Costa Junior, President & CEO, Embraer Defense & Security. "The C-390 Millennium is a flagship product for Embraer Defense & Security and it received a lot of attention at the recent Singapore Airshow. We look forward to growing our customer base in the region." The C-390 can carry more payload (26 tonnes) compared to other medium-sized military transport aircraft and flies faster (470 knots) and farther. It is capable of performing a wide range of missions such as transporting and dropping cargo and troops, medical evacuation, search and rescue, firefighting, and humanitarian missions, operating on temporary or unpaved runways such as packed earth, soil, and gravel. The aircraft has been selected by South Korea, Czech Republic, Austria, the Netherlands, Portugal and Brazil.



Embraer and ST Engineering signed the MOU at this year's Singapore Airshow © Embraer

INFORMATION TECHNOLOGY

The **International Air Transport Association** (IATA) has announced the extension and broadening of **Lufthansa Cargo's** agreement to utilize CargoIS for its air cargo data needs. This renewal strengthens a partnership that has endured for over a decade. In addition to the renewal, Lufthansa Cargo will now participate in the IATA CargoIS Direct Data (CDD) contribution programme. This initiative facilitates the collective sharing and pooling of anonymised data among participating airlines, empowering

stakeholders to benchmark performance, identify industry trends, and make informed decisions in the competitive air cargo sector. "Our decade-long partnership with Lufthansa Cargo on market intelligence related to air cargo highlights the value of IATA's cargo data products and trust in our data intelligence solutions. CargoIS helps our customers to make better strategic decisions. Continuing and expanding our partnership with Lufthansa Cargo underscores the importance of leveraging data-driven insights to enhance efficiency and sustainability in the air cargo industry," said Willie Walsh, IATA Director General and CEO.

The CargoIS data set aggregates transactions from over 230 carriers, offering comprehensive insights into transported commodities and services rendered. IATA's CargoIS, covering an expansive network of over 80,000 unique city-to-city trade lanes, serves as a crucial source of market intelligence for the air cargo industry. The platform transforms vast data sets into actionable insights, enabling users, including airlines, freight forwarders, airports, and shippers, to navigate the complexities of the air cargo market efficiently, fostering competitive advantage and operational excellence.

OTHER NEWS

Swiss International Air Lines (SWISS) and the **Lufthansa Group** have forged a long-term partnership with **Climeworks**, a Swiss-based company. The partners intend to work together to promote the scaling up of Climeworks's innovative technology for removing carbon dioxide (CO₂) from the air via a process known as direct air capture or DAC. As Climeworks's first airline partners, SWISS and the Lufthansa Group have signed a carbon dioxide removal agreement that will take them a further major step forward towards their ambitious sustainability objectives. The new partnership will initially extend to 2030, but also contains options for procuring further carbon removal volumes. "We are delighted to have secured SWISS and the Lufthansa Group as our first partners from the aviation sector for our direct air capture technology," said Jan Huckfeldt, Climeworks's Chief Commercial Officer. "Their interest and involvement confirm the demand within the airline industry for quality long-term solutions to eliminate CO₂. And their commitment is vital to our endeavours to scale up our technology. Through their involvement on the carbon removal front, SWISS and the Lufthansa Group are playing a pioneering role and are underlining their firm commitment to achieving net-zero emissions within the airline sector." With its direct air capture technology, Climeworks is a global leader within the carbon removal field. DAC is a vitally important method of removing CO₂ directly from the atmosphere and storing it permanently underground. The airline sector will need to take advantage of both DAC and further negative-emission technologies if it is to achieve its ambitious carbon emissions goals. Climeworks already operates the world's biggest DAC and carbon storage facility, which is located in Iceland, and has extensive further growth plans. DAC technologies also offers a scalable means of procuring atmospheric CO₂ for use as a raw material in manufacturing the next generation of synthetic fuels, which are also known as sustainable aviation fuels (SAF). The use of such synthetic fuels is vital to the decarbonization of the airline sector. SWISS and the Lufthansa Group have long been industry pioneers in this field, driving the scaling up of these key fuel technologies.



SWISS and the Lufthansa Group have signed a carbon dioxide removal agreement with Climeworks © SWISS



UTI, Hawaiian Airlines training partnership © Hawaiian Airlines

Universal Technical Institute (UTI), the transportation, skilled trades and energy education division of UTI, Inc. has entered into a partnership with **Hawaiian Airlines** designed to expand career opportunities for Universal Technical Institute airframe and powerplant graduates who earn their FAA certifications. Moving forward, Universal Technical Institute graduates who have earned their FAA certifications are guaranteed a first-round job interview with Hawaiian Airlines. If hired, they are eligible for a sign-on bonus of up to US\$10,000 and a relocation budget of up to US\$12,000. Hawaiian Airlines will also participate in Universal Technical Institute's career fairs, classroom visits and webinars. "Our airframe and powerplant programme is designed to prepare students for entry-level opportunities in various areas of the aviation industry and this partnership with Hawaiian Airlines will provide our graduates with an additional career pathway," said Tracy Lorenz, President of the Universal Technical Institute Division. "It is through industry partnerships that we can showcase our commitment to being workforce solutions partner to employers and learners alike." "Hawaiian Airlines is pleased to support Universal Technical Institute graduates interested in building a rewarding aviation career with us. We look forward to meeting students, sharing more about what it means to be Hawaii's hometown airline and welcoming graduates to our team," said Jim Landers, Senior Vice President, Technical Operations at Hawaiian Airlines. Universal Technical Institute's airframe and powerplant programme is available at campuses in Avondale, Ariz., Long Beach, Calif., Miramar, Fla., Canton, Mich. and Houston. Now in its 95th year of continuous service, Hawaiian Airlines offers approximately 150 daily flights within the Hawaiian Islands and nonstop flights between Hawaii and 15 U.S. gateway cities.

Embraer-X and **Greentown Labs** have announced a new partnership focused on mobilising climate solutions and accelerating the future of sustainable aviation. The announcement was made during a series of panels featuring industry leaders at South by Southwest (SXSW) 2024, a premier event for creativity and innovation. Greentown, the largest climatetech incubator in North America, shares the same sustainability principles as Embraer-X and aims to catalyse climate solutions through entrepreneurship, partnership and collaboration. Through Greentown and Embraer-X's Megawatt Partnership, Embraer-X will have the opportunity to engage deeply with the incubator's more than 200 startups and will gain access to curated, customised events. "We are continuously expanding our global open innovation initiatives, and partnering with Greentown Labs represents another important step in the aviation industry's collaborative effort to connect people willing to forge new paths that positively impact our world," said Daniel Moczydlower, CEO of Embraer-X. Acting as a market accelerator, Embraer-X has access to novel businesses and innovative solutions, and promotes collaboration with innovation hubs, co-investors, and partners in alignment with aviation industry goals and objectives. "Greentown is thrilled to partner with Embraer-X, which is on the leading edge of reducing aviation emissions, which represent both a major climate challenge and opportunity for innovation," said Greentown CEO and President Kevin Knobloch. "We look forward to Embraer-X engaging with our startups that are developing solutions for sustainable aviation—and to the positive results that come from those exciting collaborations." Based in Somerville, Massachusetts and Houston, Texas, Greentown convenes and connects the climatetech ecosystem—including startups, corporate leaders, investors, and others—to rapidly scale climate technologies.



© Embraer

OTHER NEWS

Airbus has launched the OpenCargoLab, a collaborative initiative with leading partners from the airline, logistics and handling sectors, focusing on the entire airfreight ecosystem. The collaboration involves a team of experts from **CHAMP Cargosystems, Fraport, KLM Cargo, Kuehne+Nagel** and **Swissport**. Together, the partners will work to drive digital, resource-saving concepts, contributing to more resilient and efficient airfreight processes. Announced at the IATA World Cargo Symposium in Hong Kong taking place from 12 to 14 March, the OpenCargoLab supports Airbus' forecast, which expects the global freight market to grow by 50% by 2042. Specifically for Asia-Pacific, the region's continued rapid economic growth means this market remains highly promising for modern airfreight business with digital-savvy hubs. Airbus anticipates demand for around 400 wide-body freighters, including new builds and conversions, in Asia-Pacific over the next 20 years. This represents more than 25% of global demand for 1,490 cargo aircraft in the above-40-tonne segment. As part of the OpenCargoLab initiative, Airbus will also evaluate digital solutions such as augmented reality and robotics in order to optimise data connectivity in general and, for example, the transport of dangerous goods in particular. In addition, the OpenCargoLab will contribute to the A350F's further design and application development. Just two-and-a-half years after launch, the order book for this all-new, next-generation freighter stands at 50 firm orders from nine customers as Airbus steadily expands its market share in this highly competitive segment. In order to test the findings developed at the OpenCargoLab, an innovative test field for validating these new technology concepts is currently established at Airbus' Cargo competence site in Bremen, Germany, e.g. known for the development of the cargo loading systems or the cargo door actuation systems. Among others, a replica of the A350F fuselage with the large cargo door included will be installed at the sites' new cargo test centre by the end of 2024.



A350F in future livery design as revealed at Paris Le Bourget © Airbus



Archer's goal is to transform urban travel, replacing 60–90-minute commutes by car with estimated 10–30 minute electric air taxi flights © Archer

Archer Aviation has released that **Falcon Aviation**, a prominent aviation services operator in the UAE, has been selected as its vertiport infrastructure partner for critical locations in Dubai and Abu Dhabi. This collaboration marks a significant step towards launching Archer's Midnight flying car with Falcon Aviation in the UAE and across the MENA region as soon as 2025. Under this partnership, Archer and Falcon Aviation will start by developing state-of-the-art vertiport infrastructure at Falcon Heliport at Atlantis, the Palm in Dubai and the Marina Mall heliport in Abu Dhabi's Corniche. Driving between the two cities during peak traffic can take more than two hours. Archer and Falcon Aviation plan to offer passenger service in Archer's Midnight flying car between these two Falcon vertiports, which will operate almost entirely over water with scenic views of both cities and clock-in at as little as 30 minutes from take-off to landing. Archer believes it is the first to announce a flying car service on this route between Abu Dhabi and Dubai,

one of the world's most prominent and congested commute corridors. On March 8, Falcon Aviation also announced the inauguration of its state-of-the-art renovated Heliport Terminal, extending its presence at Atlantis, the Palm. The companies unveiled a vision of what the future vertiport and service will look like and what will transform into a key hub for Midnight flights, helping bring urban air mobility to the region. Today's announcement reinforces the memorandum of understanding (MOU) signed last year, where Falcon Aviation agreed to operate scores of Archer's Midnight flying cars. This venture is part of Archer's strategic expansion, with the UAE set to be its first international launch market as soon as next year. This follows a significant preliminary deal announced by Archer last year with the Abu Dhabi Investment Office which promised economic incentives to help accelerate Archer's growth in the region as part of Abu Dhabi's Smart and Autonomous Vehicle Industry (SAVI) cluster.

Lilium and **Atlantic Aviation**, a fixed-based operation (FBO) and aviation services provider, have signed an MoU to prepare Atlantic's network of more than 100 FBOs for the Lilium Jet's upcoming regional air mobility service launch in the United States. This strategic partnership will work to ensure seamless compatibility between the Lilium Jet and Atlantic's network of aviation assets across North America, enabling Advanced Air Mobility operations at current and future locations. Atlantic operates sites at more than 30 airport locations within Lilium's planned launch markets in Florida, Southern California, the Northeast corridor and Texas. Lilium and Atlantic will focus on infrastructure deployment and operations, with an eye toward passenger experience, at existing and upcoming sites. Strategic planning will revolve around key drivers including aircraft flight paths, charging capabilities, passenger facilities, operations forecasting, and more. This comprehensive approach will ensure Lilium Jet operators have access to strategic points within Atlantic's network of aviation facilities, working to both optimise the passenger experience and usher in a new era of air travel. Lilium's planned commercialisation approach focuses on manufacturing and selling the Lilium Jet to various individuals and companies for private, premium, and shuttle operations and thereafter providing aftermarket support and services. This go-to-market strategy will allow for a diverse revenue stream and is predicated on aviation facilities being ready for the Lilium Jet, emphasizing the value of partnering with Atlantic. Lilium's strategic collaboration with Atlantic will pave the way for a smooth entry into service of the Lilium Jet that will help usher in a new era of regional air transportation that connects travellers from city to city and saves passengers hours in travel time.



The partnership between Lilium and Atlantic Aviation aims to establish a planned network to support operators of the Lilium Jet © Lilium

OTHER NEWS

The **Norwegian Armed Forces** have recently inked a deal with **SAS** to bolster their strategic air evacuation capabilities. The agreement secures a continuous capacity for strategic air evacuation, utilising SAS' cutting-edge Airbus A320neo aircraft. The transition from the current aircraft to the new agreement is slated for 2025. Comprising two key components, the agreement encompasses a collaboration pact to develop an A320neo-based solution and a second agreement for operational assignments. The versatile A320neo, initially a standard passenger plane, can be transformed into a fully equipped flying hospital with medical facilities and hospital beds once the new design is finalised. SAS' Airbus A320neo boasts approximately 18% lower CO2 emissions than its predecessor, coupled with a remarkable 30% reduction in noise, creating a more comfortable environment for both evacuees and crew. Drawing on a 25-year legacy of involvement in evacuation missions, SAS has played crucial roles in events such as the Thai tsunami, evacuations from Afghanistan, the Moira refugee camp, and support for Ukrainian patients. Brigadier General Anders Jernberg, Commander of the Norwegian Defence Logistics Organisation, emphasised the strategic importance of the agreement, stating, "With this agreement, the capacity for evacuation and repatriation of sick or wounded civilians and military personnel, including intensive care patients, is strengthened for national and international operations, from and to airports in all parts of the world." The initiative establishes capacity for two medical evacuation aircraft, supplementing the Armed Forces' existing resources.



An SAS A320neo, initially a standard passenger plane, can be transformed into a fully equipped flying hospital with medical facilities and hospital beds once the new design is finalised
© AirTeamImages



Delta is restarting its non-stop flights between New York-JFK and Venice Marco Polo Airport
© Delta Air Lines

Delta Air Lines (Delta) is restarting its non-stop flights between New York-JFK and Venice Marco Polo Airport. The flights will operate daily using a Boeing 767-300 aircraft with 216 seats. Additionally, for the first time, the airline will offer two flights from Venice to Atlanta – resuming its non-stop service later this month

and adding a second service throughout the summer. In total, Delta will operate 17-weekly flights between Venice and the U.S. during peak season with connections to more than 200 cities across North America and beyond. Camillo Bozzolo, Aviation Development Director of the SAVE Group commented: "The resumption of Delta Air Lines connections to the hubs of New York and Atlanta confirms the constant growth of flows between Venice and North America, which with over one million passengers in the last year have largely exceeded the volumes of 2019." He added, "The increase to ten-weekly frequencies on the Venice-Atlanta route will further expand the offer of destinations in connection with North, Central and South America." As part of Delta's US\$12 billion airport terminal investments, frequent flyers will enjoy new premium lounges at New York-JFK and other U.S. destinations including Boston and Los Angeles to boost the customer experience. Connecting customers will also benefit from the upgrades at Delta's JFK Terminal 4, enabling easier transfer to over 60 onward connections. Delta's summer 2024 schedule between New York, JFK and Venice will operate in cooperation with its European partners Air France, KLM and Virgin Atlantic.

Rex has announced a new interline partnership with **Ethiad Airways**. This collaboration opens up convenient connections for passengers traveling on Rex's domestic routes to access Ethiad's extensive global network. Warrick Lodge, Rex's General Manager of Network Strategy, emphasised the significance of partnering with Ethiad, offering passengers expanded choices and connections. Passengers can now fly with Rex to Sydney or Melbourne and seamlessly connect with Ethiad for travel to 72 destinations worldwide, spanning Europe, Africa, the Middle East, Asia, and the USA. The entire journey,

including connecting flights, can be booked under a single booking, allowing passengers to enjoy the convenience of through-check baggage where permitted. Arik De, Ethiad's Chief Revenue and Commercial Officer, expressed enthusiasm about the partnership, highlighting the increased connectivity options for Ethiad guests. The collaboration also facilitates easy access for the carrier's customers to key destinations within Ethiad's global network, extending a warm welcome for them to integrate seamlessly into the expanding international travel network.

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Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	FPG Amentum	V2527M-A5	3705	2008	Now	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Now	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
B737-400F	Royal Aero	CFM56-3C1	29204		Feb 2024	Sale/Lease/Ex	Gary MacLeod	gary@royalaero.com	+44 (0)1357 521144
B737-800 SF	GA Telesis		27988	2000	Now	Sale / Lease		aircraft@gatelesis.com	
B777-300ER	BBAM	GE90-115BL	39237	2013	Feb 2024	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
SAAB 2000	Jetstream Aviation Capital	AE2100A	031	1996	Now	Sale / Lease	Donald Kamenz	dkamenz@jetstreamavcap.com	+1 (305) 447-1920 x 115
SAAB 340B CRG	Jetstream Aviation Capital	CT7-9B	224	1990	Now	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102
SAAB 340B Plus	Jetstream Aviation Capital	CT7-9B	450	1998	Now	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102

Commercial Engines

CF34 Engines	Sale / Lease	Company	Contact	Email	Phone
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E5	Now - Lease				
CF34-8C5	Now - Lease				
(1) CF34-10E6	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CF34-3A	Now - Sale	GNS	Shlomi Levi	shlomi@g-n-solutions.com	+972-52 850 8511
(1) CF34-10E5A1	Mar 2024 - Lease	DASI	Joe Hutchings	joe.hutchings@dasi.com	+1 954-478-7195

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Commercial Engines

CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CFM56-5B3/3	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaaviation.com	+1 786-785-0777
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-5B3/P	Now - Lease				
(1) CFM56-5B1/P	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(1) CFM56-5B4/P	Now - Sale / Lease	Magellan Aviation Group	Bradley Hogan	engines@magellangroup.net	+1 704-504-9204
(3) CFM56-5C4	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-5B4/P	Now - Sale	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7040
(1) CFM56-7B26	Now - Lease				
(1) CFM56-7B26/3	Now - Lease				
(4) CFM56-5B6/P	Now - Sale				
(3) CFM56-5B5/P	Now - Sale				
(1) CFM56-5B3/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-5B5/P	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5B4/3	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
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
(2) GE90-94B	Now - Sale	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(1) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) LEAP-1A33	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW4168A	Now - Sale	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493



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Commercial Engines

PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
PW121	Now - Sale	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW127F	Now - Sale				
PW150A	Now - Sale / Lease				
PW127M	Now - Lease				
(1) PW150A	Now - Sale	Magellan Aviation Group	Bradley Hogan	engines@magellangroup.net	+1 704-504-9204
(2) PW150A	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(1) PW127M	Now - Sale/Lease/Exch.				
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.				
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) V2527-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) V2533-A5	Now - Sale/Lease/Exch.				
(1) V2530-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2533-A5	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiairline.com	+1 786-785-0777
(1) V2527-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(2) GTCP331-200ER, (2) GTCP131-9A, (1) GTCP131-9B (1) A321 Enhanced Landing Gear 2020 OH	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) GTCP36-150	Now - Sale	GNS	Shlomi Levi	shlomi@g-n-solutions.com	+972-52 850 8511
(2) A340 LG Shipset (3) 767 LG Shipset		GA Telesis		landinggearsales@gatelesis.com	
GTCP131-9A (2), GTCP131-9B(2) (1) GTCP331-200, (1) GTCP331-250 APS500C14(3), APS1000C12(2), APS2000 APS2300, APS3200(2), APS5000(2) PW901A(4), PW901C(2) TSCP700-4E	Now - Lease Now - Lease Now - Lease Now - Lease Now - Sale / Lease Now - Sale	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
(1) 131-9A, (2) 131-9B (Max compliant), (1) APS2300 (3) 131-9B, (1) 331-200, (2) 331-350, (1) 331-600 Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000		GA Telesis		apu@gatelesis.com	+1-954-849-3509
(2) APU GTC131-9B Engine stands now available	Now - Sale / Lease Now - Lease	Willis Lease	Gavin Connolly	gconnolly@willislease.com	+44 1656 765 256
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368