

## Weekly Aviation Headline News

### WORLD NEWS

#### Vietjet takes delivery of 101<sup>st</sup> aircraft

Vietjet reached a new milestone as the airline took delivery of the 101<sup>st</sup> aircraft at Tan Son Nhat International Airport in Ho Chi Minh City. The arrival of the new 240-seat A321neo ACF aircraft represents Vietjet's commitment to constant fleet expansion, with a total of 384 aircraft on order from leading manufacturers worldwide. The introduction of the new A321neo ACF aircraft allows Vietjet to achieve significant reductions in fuel consumption, with at least a 16% decrease, as well as up to 75% less noise and up to 50% fewer emissions. The airline boasts the world's leading modern fleet with optimised operating costs.

#### WFS to grow capacity at New York JFK

Worldwide Flight Services (WFS), a member of SATS Group, will increase cargo capacity at New York's John F. Kennedy International Airport (JFK) by 20% in early 2025 with the opening of a new 346,000 sq. ft. terminal incorporating advanced technology and sustainability solutions. New York JFK is one of WFS' biggest international cargo stations. WFS already operates eight handling facilities at the airport, serving 38 airline customers. The new facility will take the company's footprint at North America's sixth largest cargo airport to over 700,000 sq. ft. and grow capacity to more than 675,000 tonnes per annum.

#### RwandAir enhances fleet with a seventh B737 aircraft

RwandAir is continuing its fleet expansion with the delivery of its seventh Boeing 737 aircraft. The Boeing 737-800, registered 9XR-WY, will be based at the carrier's Kigali operating throughout Africa and the Middle East, the aircraft will allow the Rwandan carrier to further expand its regional operations and offer customers connectivity and quick transfers through Kigali. The addition of the new aircraft will bring the African airline's fleet to 14, consisting of three A330s, seven B737 and four regional aircraft.



American is operating increased frequencies across all its major international markets.

© American Airlines

### American boosts cargo capacity for winter Including dedicated transatlantic expansion

American Airlines Cargo has announced an expanded winter schedule of more than 12,500 roundtrip widebody flights between November 2023 and March 2024. The carrier is operating increased frequencies across all its major international markets, with more than 6,900 of those widebody flights dedicated to transatlantic routes — a more than 1,100 increase compared to the same season last year.

Flights between London Heathrow (LHR) and key U.S. destinations account for nearly half of the transatlantic increase at 490 more flights compared to last winter season, with Charlotte Douglas International Airport (CLT), Chicago O'Hare International Airport (ORD), Dallas/Fort Worth International Airport (DFW), John F. Kennedy International Airport (JFK) and Los Angeles International Airport (LAX) seeing the highest year-over-year increase.

Other notable routes between Eu-

rope and the U.S. include Barcelona Airport (BCN) to Philadelphia International Airport (PHL), Dublin Airport (DUB) to DFW, Rome Fiumicino Airport (FCO) to DFW, Lisbon Airport (LIS) to PHL, and Madrid-Barajas Airport (MAD) to CLT — all of which were previously summer seasonal routes and are now year-round.

**“We are thrilled to increase widebody service on important cargo lanes this winter.”**

*Roger Samways, Vice President, Commercial, American Airlines*

Europe is not the only market where American widebody frequency is increasing. Out of Latin America, Buenos Aires Ezeiza Airport (EZE) is seeing the largest increase with added service to DFW, Miami International Airport (MIA) and John F. Kennedy International Airport (JFK). Widebody flights between EZE and MIA alone have increased by 100 compared to the previous winter.

In the Asia-Pacific region, the carrier is introducing a new winter route with LAX to Auckland Air-

port (AKL), whilst DFW to Tokyo Haneda Airport (HND) becomes a year-round service and LAX to HND will increase to two flights per day. Overall, Asia-Pacific flights are up more than 370 from last year.

“We are thrilled to increase widebody service on important cargo lanes this winter,” says Roger Samways, Vice President, Commercial, for American Airlines Cargo. “These new frequencies allow us to offer our customers more space on important routes and, supplemented by our U.S. domestic network and trucking schedule, more solutions for connecting freight across the globe.”

American Airlines Cargo offers a variety of products and priorities to move all kinds of cargo across its domestic and international network, including temperature-controlled capabilities available in more than 180 markets. In addition, the carrier offers a robust trucking network that provides more routes and connection opportunities for freight.

## AIRCRAFT & ENGINE NEWS

### AerCap inks deal with Turkish Airlines for new aircraft and lease extensions

AerCap has successfully secured an agreement with Turkish Airlines for a significant fleet expansion. The deal encompasses the lease of three new Boeing 787-9 aircraft, an additional 25 new MAX-8 aircraft and extensions for six used Airbus A330-200 aircraft. The newly acquired aircraft are set to be delivered between 2024 and 2026. Aengus Kelly, Chief Executive Officer of AerCap, expressed his delight regarding this momentous transaction with their long-standing partner, Turkish Airlines. He underlined the significance of these aircraft acquisitions, which will empower Turkish Airlines to further expand its already extensive route network and enhance the operational efficiency of its fleet. Kelly also extended his appreciation to the Turkish Airlines management team for their trust in AerCap, emphasising the commitment to strengthen their enduring partnership as these aircraft are integrated.

### Embraer deliveries increase 30% in 3Q23

Embraer has delivered 43 jets in 3Q23, an increase of 30% compared to 3Q22 when 33 aircraft were delivered. Commercial Aviation has shown robust delivery growth, soaring from ten to 15 aircraft, a 50% increase compared to the same period in 2022. For Executive Aviation, there was also an increase; 28 jets delivered (19 light and nine medium) represented a 22% increase compared to 3Q22. The company has delivered a total of 105 aircraft in 2023 (39 commercial aircraft and 66 executive jets), a 33% increase compared to the same period last year when 79 jets (27 commercial aircraft and 52 executive jets) were delivered up to the third quarter. For the second quarter in a row, Embraer had a double-digit delivery growth: last quarter, the company's deliveries grew by

### SMBC Aviation Capital delivers Airbus A321NX to Volaris



Volaris has taken delivery of the first of two A321-271NX aircraft

© SMBC

SMBC Aviation Capital has announced the delivery of one Airbus A321-271NX aircraft (MSN 11646) equipped with two PW1133G-JM engines to Mexican low-cost airline Volaris. The carrier is based in Santa Fe, Álvaro Obregón, Mexico City with its bases in Cancún, Culiacán, Guadalajara, León/Del Bajío, Mexicali, Mexico City, Monterrey, and Tijuana. The aircraft and associated engines were delivered while located at the Airbus delivery centre in Mobile, Alabama. The aircraft is the first of two units delivered to Volaris as part of this transaction with the airline. The next aircraft is scheduled to deliver in November 2023.

### Monroe County orders three AW139 helicopters

Leonardo has received an order for three AW139 medium twin-engine helicopters by Monroe County in Florida, USA. These aircraft will be operated by Trauma Star, a joint effort of Monroe County Fire Rescue and the Monroe County Sheriff's Office and will provide air ambulance support across the Florida Keys from Lower Keys Medical Center and the Florida Keys Marathon International Airport. These AW139s will be delivered from Leonardo's FAA-certified Part 21 production facility in Philadelphia, Pennsylvania, between the end of 2024 and early 2025, after which it will undergo dedicated mission customisation before replacing the County's existing fleet. "An extensive search for a replacement aircraft was made to update Trauma Star's aging fleet of Sikorsky S76 aircraft with a newer, manufacturer-supported aircraft. The goal was an aircraft that would increase operating cost efficiency and reduce down-time due to unscheduled maintenance. The AW139 is the only aircraft available that will meet Trauma Star's mission profile, able to fly the distance, carry our payloads and utilise our current landing zones" said Monroe County Sheriff Rick Ramsay. Monroe County is the southernmost county in Florida and the United States, and includes Key West, Marathon, Key Colony Beach, Layton and Islamorada. The County is spread across 3,737 square miles, 73% of which is water and includes large portions of the Everglades National Park and Big Cypress National Preserve.



Monroe County has ordered three AW139 helicopters

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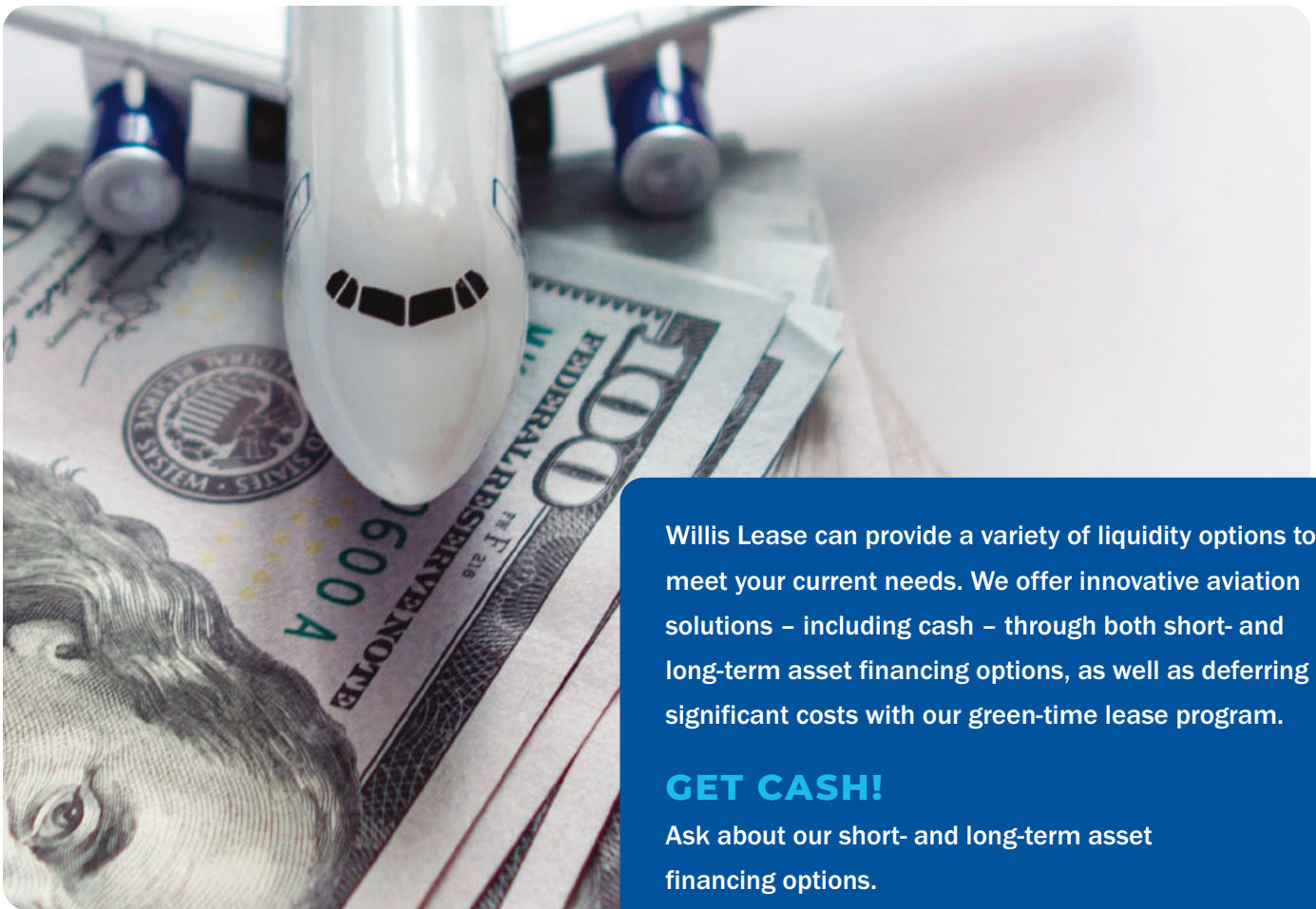
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## AIRCRAFT & ENGINE NEWS

47% compared to the same period in 2022. The firm order backlog ended the period at US\$17.8 billion, a US\$500 million increase versus the second quarter. This volume represents the highest level of the company's backlog in one year. The Commercial Aviation backlog rose from US\$ 8 billion to US\$8.6 billion compared to 2Q23, with 42 aircraft sold by September. Executive Aviation's strong backlog at US\$ 4.3 billion, with a book to bill 1.5:1, highlights the high volume of jet sales and deliveries. The business unit continues its sales momentum with sustained demand across its entire product portfolio and strong customer acceptance in both retail and fleet markets.

### Southwest Airlines deepens commitment to fuel-efficient 737 MAX with order for 108 Boeing 737-7s

Southwest Airlines is reinforcing its dedication to the environmentally friendly 737 MAX family by placing an order for 108 Boeing 737-7 aircraft. This substantial order aligns with Southwest's ongoing fleet modernisation initiative and offers the flexibility needed for fleet expansion. Bob Jordan, President and Chief Executive Officer of Southwest Airlines, reflected on their long-standing partnership with Boeing, stating, "Our relationship with Boeing dates back over 50 years to the day we began service with three Boeing 737 planes, serving just three cities. They are not only a part of our history but also integral to our future as we continue to realize the numerous advantages and cost savings of maintaining a single fleet." The 737 family has been instrumental in supporting Southwest's sustained growth, with over 300 orders for the 737-7, bolstering its order book to include more than 500 737 MAX jets. Upon certification, the 737-7 will seamlessly integrate into Southwest's all-Boeing 737 fleet. Southwest Airlines recently reported third-quarter 2023 operating revenues of US\$6.5 billion, marking a 4.9% year-over-year increase and a net income of US\$193 million. Excluding special items, its net income reached US\$240 million, with liquidity standing at US\$12.7 billion, well surpassing its outstanding debt of US\$8.0 billion.

### StandardAero Maryville delivers 7,500th AE-family engine



AE 3007 turboprop engine

© StandardAero

StandardAero has delivered the 7,500th Rolls-Royce AE-family engine from the company's MRO facility in Maryville, TN. The AE common-core family includes the AE 2100 turboprop, AE 3007 turboprop and AE 1107 turboshaft and StandardAero is a Rolls-Royce-authorised maintenance centre (AMC) for all three powerplants. Since inducting its first AE 3007 turboprop in 1997, the Maryville facility has to date processed over 6,500 engines. The AE 3007 powers the Embraer ERJ regional jet family (AE 3007A), the Cessna Citation X business jet (AE

3007C), the Northrop Grumman RQ/MQ-4 Global Hawk unmanned aircraft system (UAS) (AE 3007H) and the Boeing MQ-25 Stingray UAS (AE 3007N). StandardAero added the AE 1107 to its MRO portfolio under a 30-year long-term agreement signed with Rolls-Royce in 2018. Since then the Maryville facility has processed over 500 engines. The AE 1107C powers the Bell-Boeing V-22 Osprey, while the AE 1107F variant has been selected to power the Bell V-280 Valor Future Long-Range Assault Aircraft (FLRAA). StandardAero also supports the related MT7 marine gas turbine, which powers the Textron Systems LCAC 100-class Ship-to-Shore Connector (SSC). StandardAero received AMC approval for the AE 2100 in 1993 and has supported the engine from Maryville since 2021. StandardAero serves operators of the type across the world, including those flying the Lockheed Martin C-130J / LM-100J Hercules (AE 2100D3), Alenia C-27J Spartan (AE 2100D2), AE 2100A (Saab 2000) and ShinMaywa US-2 (AE 2100J). In addition to the AE family, StandardAero's 154,000 sq. ft. Maryville facility also supports a wide range of auxiliary power units, including the Honeywell GTCP 36-100/150 and RE220, the Pratt & Whitney Canada APS 2300 and the Safran Power Units SPU300.

### SkyWest orders 19 Embraer E175 aircraft



SkyWest will operate the new Embraer E-jets for United Express

© Embraer

Embraer has agreed to the sale of 19 new E175 jets to SkyWest, for operation in the United Airlines network, adding to the 90 E175 jets SkyWest already operates for United. The E175 aircraft will fly exclusively with United under a capacity purchase agreement (CPA). The value of the contract, which has been included in Embraer's Q3 backlog, is US\$1.1 billion, based on list price. The 70-seat aircraft will be delivered in a three-class configuration. Deliveries will begin in the fourth quarter of 2024. President and CEO of SkyWest Chip Childs said: "SkyWest is already the largest E175 operator in the world, and when this order is delivered, we will have over 250 E175s. We look forward to continuing to improve the passenger flying experience with enhanced comfort and reliability."



## AIRCRAFT & ENGINE NEWS

### Hahn Air becomes European launch customer for Citation CJ3 Gen2

Hahn Air has entered into a purchase agreement to be the European launch customer for the just-announced Cessna Citation CJ3 Gen2. The deal, inked during the National Business Aviation Association – Business Aviation Convention & Exhibition (NBAA-BACE) event at Las Vegas, also includes a new Cessna Citation Latitude. Both aircraft are expected to deliver in 2026. The Cessna Citation CJ3 Gen2 and Cessna Citation Latitude are designed and manufactured by Textron Aviation. Hahn Air has been a loyal Citation operator for nearly two decades and exclusively services the company's fleet at Textron Aviation's Düsseldorf Service Centre. The new Citation Latitude and CJ3 Gen2 will replace Hahn Air's existing Citation Latitude and CJ3+. Announced at NBAA-BACE, the Citation CJ3 Gen2 is currently under development and expected to enter into service in the U.S. in 2025. The Cessna Citation CJ3 Gen2 redefines business aviation, setting new standards in the light jet market. Designed with pilot input, the cockpit boasts a spacious 4.5 inches of extra legroom for the pilot. The Garmin G3000 avionics system features auto throttle technology and seamless connectivity for reduced workload and heightened situational awareness, as well as optional Enhanced Vision System (EVS) to provide improved clarity and optimised situational awareness. The Citation CJ3 Gen2 will offer standard seating for nine passengers, with an option for eight passengers with additional storage. With a maximum range of 2,040 nm and a maximum payload of 2,135 pounds, the Citation CJ3 Gen2 offers excellent range, payload and superior field performance to enable pilots to achieve a variety of missions in extensive conditions.



Ron Draper (l) Textron Aviation and Captain Daniel Rudas Hahn Air

© Textron Aviation

### Archer's Midnight aircraft takes flight



Midnight aircraft

© Archer

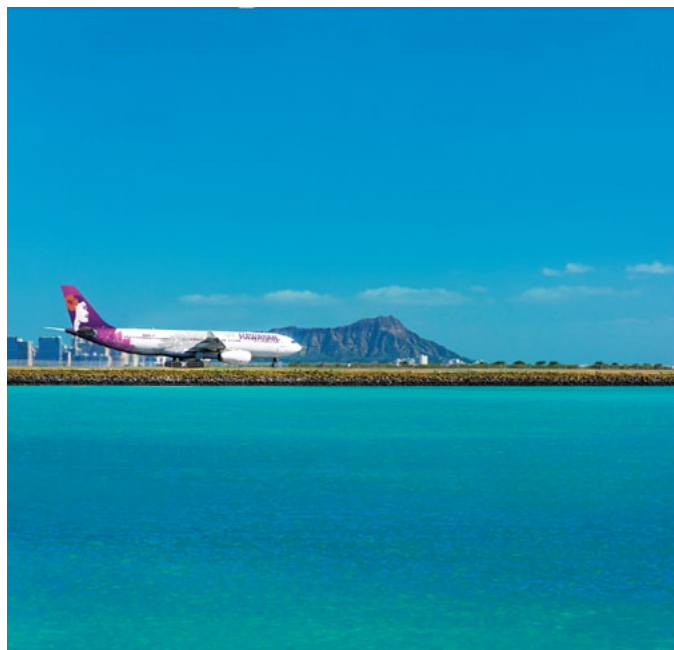
Archer Aviation, a leader in electric vertical take-off and landing (eVTOL) aircraft, has released that its flight test programme hit another key milestone as the company's Midnight aircraft took flight. This milestone builds on Archer's four years of flight testing, including two years of full-scale flight testing with Maker. "This next phase of Archer's flight test programme is only possible because of the four years of flight testing we've done. Midnight is building on the successes of its predecessor aircraft and represents another significant step forward in Archer's path to commercialisation," said Archer's founder and CEO Adam Goldstein. "The next year and a half will be focused on continuing to rapidly advance our flight test programme and Archer's electric air taxi operations as we prepare to bring Midnight to market in 2025." As Archer's flight test programme continues to advance, Midnight's flight envelope is expected to progress rapidly from hover to full wing-borne transition flight in the coming months, paving the way for the company to begin "for credit" testing of its Midnight aircraft with the FAA next year as it works towards entry into service in 2025. Simultaneously with the Midnight flight test programme, Archer intends to continue Maker's flight test programme as well as flying simulated commercial routes to continue to advance the company's operational readiness. Archer's goal is to transform urban travel, replacing 60–90-minute commutes by car with estimated 10–20-minute electric air taxi flights that are safe, sustainable, low in noise and cost-competitive with ground transportation. Archer's Midnight is a piloted, four-passenger aircraft designed to perform rapid back-to-back flights with minimal charge time between flights.

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## MRO & PRODUCTION NEWS

### LHT to supply spare parts for Hawaiian Airlines' Airbus fleet

Lufthansa Technik (LHT) and Hawaiian Airlines have signed a comprehensive total component support (TCS) contract covering the Honolulu-based airline's entire Airbus A330ceo and A321neo fleets. In total, the new agreement encompasses parts pooling support for up to 52 aircraft over the next seven years. It moreover gives Hawaiian Airlines the flexible option to further extend the cooperation by several additional years. The new agreement is Hawaiian Airlines' first Lufthansa Technik TCS contract. It covers a total of 18 Airbus A321neo and 24 Airbus A330ceo aircraft in passenger configuration. The contract also covers ten converted Airbus A330-300 passenger-to-freighter aircraft which Hawaiian Airlines will operate on behalf of e-commerce giant Amazon and its Amazon Air division. For each aircraft, Lufthansa Technik will perform component maintenance, provide access to the company's component pool and logistics services, and establish home base stocks at several Hawaiian Airlines maintenance bases including Honolulu's Daniel K. Inouye International Airport, Los Angeles International Airport and Seattle-Tacoma International Airport. With this TCS agreement, Hawaiian Airlines now benefits from an individual supply concept that enables short and rapid transport paths. The airline also selected Lufthansa Technik for its aircraft production inspection programme (APIP) services, which includes the ten aforementioned A330 passenger-to-freighter conversions. The newly signed agreement further extends Lufthansa Technik's growth in providing MRO services for Airbus aircraft in the United States.



© Hawaiian Airlines Airbus A330



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## MRO & PRODUCTION NEWS

### Finnair to update Embraer fleet with new interior

Finnair will renew the cabins of its Embraer aircraft in the coming years to give the Embraer fleet a fresh and inviting interior with familiar elements from the previously redesigned Finnair long-haul aircraft cabins. "We want to improve travel comfort and provide our customers with a high-quality travel experience across our route network", says Ole Orvér, Chief Commercial Officer for Finnair. "We will bring similar elements and feeling to our Embraer fleet as we have used in our previously redesigned Airbus wide-body aircraft". The renewal will be implemented during 2024–2025. The first renewed aircraft are expected to operate at the end of 2024. Embraer aircraft fly to Finnair's domestic and European destinations. The renewed Embraer aircraft has 100 seats and there are 12 aircraft in the Embraer fleet in total. Finnair flights with Embraer aircraft are operated for Finnair by Nordic Regional Airlines. Finnair is a network airline, specialising in connecting passenger and cargo traffic between Asia, North America and Europe. Finnair is one of the oldest operating airlines in the world, celebrating its centenary in 2023. Finnair intends to reach carbon neutrality at the latest by the end of 2045. Finnair is a member of the oneworld alliance.



Finnair will renew the cabins of its Embraer aircraft in the coming years

© Finnair

### UK Starling Aerospace expands capability with biggest investment in 20 years



Three-in-one CNC machine

© Starling Aerospace

In response to significant growth in demand from private and commercial customers for bespoke aircraft interior refurbishment projects, Starling Aerospace has extended its design and manufacturing capability, thanks to a six-figure investment. The aircraft interiors specialist, located between London Heathrow and Gatwick Airports, has become the first and only UK aerospace company to operate a three-in-one CNC perforating, stitching and embroidery combined machine. Additionally, Starling has upgraded its sewing shop with the installation of six fully automated Juki sewing machines. The recent commissioning of its first in-house autoclave also builds on Starling's fully integrated expertise, by facilitating the fabrication of interior panels, fixtures and fittings, from prepreg carbon fibre. Using this reinforced material, which is pre-impregnated with a resin system and curing agent, results in the manufacture of superior-strength and lighter-weight products, to a consistently high finish. According to Starling's co-founding director, Coralie Wigg, the company's advance-

ment on multiple fronts will enable it to offer a market-leading design and production service for any aircraft interior. "This major investment in machinery represents the biggest upgrade in Starling's capability since the company was established more than two decades ago. By combining different sewing tasks into a single CNC machine, we can create any design for leather and fabric, no matter how complex. Equally, our in-house autoclave provides an agile solution for customers needing a fast project turnaround. Starling is seeing a growing trend for completely bespoke interiors, so we are well positioned to deliver increasingly exotic designs that our clients are demanding." As well as design and fabrication, Starling manages aircraft interior modifications, re-certification and installation, as part of its end-to-end service to customers.

## FINANCIAL NEWS

### TAP reports record profits of €180.5 million in Q3

Portugal's flag carrier TAP Air Portugal (TAP) has posted a remarkable 62% surge in net profit for the third quarter, setting a new record at €180.5 million (US\$192 million). This impressive financial performance was attributed to robust revenue growth and stringent cost controls, which significantly boosted operating margins, all while the company is gearing up for privatisation. The state-owned airline further boasted a historic profit for the first nine months of this year, amassing €203.5 million, a stark contrast to the year-earlier loss of €90.8 million. TAP reported that its third-quarter operating revenue climbed by 12.5% to €1,258.5 million compared to the previous year, surpassing even the pre-pandemic levels of 2019. Ticket revenue, in particular, saw an impressive 17.9% growth, reaching €1,181.3 million from 2022 levels. The airline disclosed that passenger traffic rebounded to 90% of the numbers carried in the same quarter of 2019. Last month, the government initiated the privatisation process for TAP, with plans to sell a minimum of 51% of the company. Notably, several major global carriers, including IAG, Lufthansa and Air France-KLM, have expressed their interest in acquiring TAP. Quarterly operating costs experienced a slight uptick of just 1.5% compared to the previous year, reaching €978 million. This was mainly due to a significant 23% decrease in fuel costs, which nearly offset a 60.5% rise in wage costs as the company had to reverse most of the pay cuts imposed under a restructuring plan. TAP's recurring earnings before interest, taxes, depreciation, and amortization (EBITDA) made a leap of 42% to €380.4 million and its EBITDA margin, a crucial measure of profitability, increased to 31% from 25% compared to a year ago. In the third quarter, the airline successfully carried 4.54 million passengers, marking an increase from the 4.32 million passengers transported during the same period the previous year. By the end of September, net debt stood at €671 million, down from €702 million at the close of 2022. This reduction in net debt resulted in a notable improvement in the net debt/EBITDA ratio, which now stands at 2.4-times compared to the previous 3.5-times. (£1.00 = €1.15/\$1.22 a time of publication).

### Boeing posts third quarter net loss of US\$1.6 billion

The Boeing Company has recorded third quarter revenue of US\$18.1 billion and a net loss of US\$1.6 billion. GAAP loss per share

## MRO & PRODUCTION NEWS

### Safran and Turkish Technic ink exclusive five-year maintenance agreement



Official contract signing between Safran and Turkish Technic © Safran

Safran and Turkish Technic have entered into an exclusive five-year maintenance agreement to service APU generators, engine harnesses, and ventilation systems equipment. This comprehensive contract will encompass over 500 Airbus A320 and A330 aircraft. Under this exclusive arrangement, Safran Electrical & Power will handle the repair and maintenance of APU generators and engine harnesses, while Safran Ventilation Systems will oversee the maintenance of ventilation systems equipment. This collaboration will extend support for more than 200 pieces of equipment annually. Turkish Technic will benefit from the repair services and exchange support for APU generators, which will bolster the company's in-house repair operations and enhance its competitive edge. Vincenzo Guerriero, Vice President Customer Services and Support at Safran Electrical & Power and Safran Ventilation Systems, expressed his satisfaction with the strengthened partnership, stating, "We are delighted to strengthen our partnership on MRO with Turkish Technic – a client with which we have had a strong relationship for many years. Such achievement and such renewal of cooperation is the result of a constant dedication to the highest level of quality and performance of an aviation equipment manufacturer." Yasin Birinci, Chief Technical Officer of Turkish Technic, shared his enthusiasm for the ongoing collaboration: "We are happy to build on our long-standing partnership with Safran. This multi-year agreement demonstrates our unwavering commitment to providing top-class component power-by-the-hour services to our customers worldwide. As a one-stop MRO company with a reputation for high-quality services and competitive turnaround times, we are dedicated to expanding our service portfolio to meet the demands of the market."

### Air Inuit partners with AEI for B737-800SF freighter conversions



Air Inuit

© Shutterstock

Air Inuit, a Canadian-based airline, is collaborating with Aeronautical Engineers (AEI) to enhance its fleet. Air Inuit has placed an order for three AEI B737-800SF freighter conversions, with two of these aircraft set to become pioneering B738 combi planes. The conversion journey begins with the first aircraft, MSN 40852, scheduled for modification in November of this year and expected to be ready for service in late March 2024. The conversion work, including touch-labour and maintenance, will be conducted by the authorised AEI Conversion Centre, KF Aerospace, located in Kelowna, BC, Canada. AEI is the only conversion company that can convert any line number 737-800 aircraft, including these three aircraft which are all 2012 vintage. The second and third aircraft in this transformation project are slated to commence their modifications in March 2024 and July 2024, respectively. Christian Busch, President and CEO of Air Inuit, expressed his satisfaction with the partnership, saying, "We are pleased to partner with AEI for our freighter conversion needs for both our B738 freighter operations as well as for our soon-to-come innovative world's first B738 combi aircraft." The AEI converted B737-800SF freighter offers a main deck payload of up to 52,700 lbs. (23,904 kg) and incorporates eleven full-height 88" x 125" container positions, plus an additional position for an AEP/AEH. The conversion also incorporates new floor beams aft of the wing box, and a large 86" x 137" main cargo door with a single-vent door system.



## FINANCIAL NEWS

was (US\$2.70) and core loss per share (non-GAAP) was (US\$3.26). Third quarter results were impacted by unfavourable defence performance and lower 737 deliveries. Commercial Airplanes third quarter revenue increased to US\$7.9 billion driven by higher 787 deliveries. Operating margin of (8.6) percent also reflects lower 737 deliveries as well as abnormal costs and period expenses, including research and development. On the 737 programme, during the quarter a supplier non-conformance was identified on the aft pressure bulkhead section of certain 737 airplanes. This is not an immediate safety of flight issue, and the in-service fleet can continue operating safely. Near-term deliveries and production will be impacted as the programme performs necessary inspections and rework and the company now expects to deliver 375-400 airplanes this year. On production, suppliers are continuing with planned rate increases and the company expects to complete the final assembly transition to 38 per-month by year-end, with plans to increase to 50 per-month in the 2025/2026 timeframe. The estimated cost associated with performing the rework is immaterial and included in third-quarter results. The 787 programme is now transitioning production to five per-month and plans to increase to ten per-month in the 2025/2026 timeframe. The programme still expects to deliver 70-80 airplanes this year. During the quarter, Commercial Airplanes booked 398 net orders, including 150 737 MAX 10 airplanes for Ryanair, 50 787 airplanes for United Airlines, and 39 787 airplanes for Saudi Arabian Airlines. Commercial Airplanes delivered 105 airplanes during the quarter and backlog included over 5,100 airplanes valued at US\$392 billion. Defense, Space & Security third quarter revenue was US\$5.5 billion. Third quarter operating margin was (16.9%), due to a US\$482 million loss on the VC-25B programme driven by higher estimated manufacturing cost related to engineering changes and labour instability, as well as resolution of supplier negotiations. Results were also impacted by US\$315 million of losses on a satellite contract due to estimated customer considerations and increased costs to enhance the constellation and meet lifecycle commitments. During the quarter, Defense, Space & Security delivered the first T-7A Red Hawk to the U.S. Air Force and captured an award from the U.S. Army for 21 AH-64E Apaches. Backlog at Defense, Space & Security was US\$58 billion, of which 29% represents orders from customers outside the U.S.

## MRO & PRODUCTION NEWS

### MTU Maintenance Zhuhai and MAB Engineering sign MoU for on-site services



© MTU Maintenance Zhuhai

MTU Maintenance Zhuhai has signed a memorandum of understanding with MAB Engineering, a wholly owned subsidiary under the Malaysia Aviation Group (MAG), to support the setup of an engine on-site services facility in cooperation with the Malaysian service provider. Under the agreement, MTU Maintenance Zhuhai will provide its technical expertise and guidance to support the management of the project. This includes consultation on the

required qualifications, certifications and tooling, as well as facility layout design. In addition, MTU Maintenance staff from the Zhuhai location will initially train its counterpart's employees in a range of work scopes for CFM International's CFM56-5B and -7B engines, with the possibility of other engine models in the future. Gert Wagner, President and CEO of MTU Maintenance Zhuhai, said that MTU's location in China has broad experience and a strong foundation in the field through its ON-SITEPlus services and that the past few years saw a significant rise in the demand for smaller on- and near-wing work scopes. He added that the project in which MTU Maintenance is assisting MAB Engineering, is a win for the aviation industry in Asia. "Although aviation is a big industry, it still tends to be a small community, so we enjoy partnering up and exchanging knowledge, especially with a long-time partner such as the Malaysia Aviation Group," Wagner said. "It is an absolute pleasure to be working with them on this project." Mohd Nadziruddin Mohd Basri, Chief Executive Officer of Aviation Services at Malaysia Aviation Group, emphasised that MTU Maintenance's expertise is world renowned and adopting the same standards within the framework of MAB Engineering's own MRO operations is of great benefit to MAG as a whole. In 2019, the MTU Maintenance Zhuhai and Malaysia Airlines signed an exclusive, ten-year contract that covers MRO services on 100 CFM56-7B engines until phase-out and includes lease services and life-limited parts management.

### LHT to overhaul CF6-80 engines for National Airlines

National Airlines and Lufthansa Technik have signed an agreement for the latter to overhaul a minimum of eleven CF6-80 engines over the next five years for the carrier's Boeing 747 fleet. The agreement also includes additional services like Cyclean® engine wash, AOG support and consumables and expendables support for the Orlando-



LHT will overhaul National Airlines' engines powering the operators B747 fleet  
© National Airlines

based cargo operator. Since April of this year, for example, Lufthansa Technik has already been carrying out the efficient on-wing Cyclean® engine wash procedure on National Airlines aircraft at several airports. In addition to the Aircraft on Ground (AOG) support in Europe, Asia and North America, Lufthansa Technik also supplies National Airlines with consumables and expendables. For this, so-called engine change kits with hundreds of selected parts are put together and delivered as an individual whole package. As of now, Lufthansa Technik furthermore starts the Engine Maintenance Services as part of the agreement.

## MILITARY AND DEFENCE

### First KC-390 Millennium in NATO configuration enters into service with Portuguese Air Force



The first KC-390 Millennium aircraft has entered into service with the Portuguese Air Force

© Embraer

The first KC-390 Millennium of the Portuguese Air Force (FAP) has entered into service at the Beja Air Base. The aircraft meets the requirements set by the National Aeronautical Authority (AAN) of Portugal and includes standard NATO (North Atlantic Treaty Organization) equipment already integrated into the aircraft. This integration results from an extensive flight tests campaign carried out in Portugal, in a joint effort between Embraer, OGMA, and FAP. In 2019, FAP ordered five KC-390 aircraft, a comprehensive services and support agreement and a flight simulator. The entry into service took place following a ceremony held Monday October 16, at the Embraer plant in Gavião Peixoto, Brazil. "The entry into service of this aircraft is significant for the Portuguese Air Force and Portugal, as it completes the development and production of a multi-value aircraft capable of the most demanding operational scenarios. The requirements set by the Portuguese Air Force have taken this aircraft to an even higher technological and capability level,"

says Brigadier-General João Nogueira, President of the KC-390 Program Supervision and Monitoring Mission. The multi-mission military tactical transport aircraft offers unparalleled mobility, combining high productivity and operational flexibility with low operating costs, which is an unbeatable combination. The C-390 can carry a payload of 26 tonnes and is capable of performing a wide range of missions such as transport and launch of cargo and troops, aeromedical evacuation, search and rescue, firefighting and humanitarian missions, operating on temporary or unpaved runways (i.e., including compacted earth, soil and gravel). The air-to-air refuelling (AAR) configuration, designated the KC-390, has demonstrated its capabilities during operations with the Brazilian Air Force. It is cleared to refuel several different fighter aircraft and is also able to refuel other KC-390s using the underwing pods. This is a unique feature for this type of aircraft. Portugal is the largest international partner of the C-390 programme and its participation in the development and production of the aircraft is recognized for having a positive economic impact on the generation of jobs, new investments, increased exports, and technological advances. In addition to Portugal, the multi-mission platform has orders from Brazil and Hungary and has been selected by the Netherlands, Austria and the Czech Republic.

### Bombardier Defense delivers seventh Global 6000 jet to U.S. Air Force BACN programme

Bombardier has recently delivered the seventh Global 6000 jet to the U.S. Air Force (USAF) Battle-field Airborne Communications Node (BACN) programme at the company's Hartford Service Centre, in Connecticut. The BACN aircraft is a specialised communications platform, known in the USAF as the E-11A, that is part of a previously announced multi-year contract representing a potential total value of close to US\$465 million (£381 million). Bombardier has already delivered six Global aircraft to the BACN programme under previous agreements. The USAF has the option to purchase an additional aircraft each year through 2026 under the 2021 contract. As part of the critical BACN programme, Bombardier's Global aircraft serve as high-altitude communications gateways, relaying or bridging voice and data between air and surface forces, surmounting traditional obstacles such as mountains, rough terrain or distance. Dubbed "Wi-Fi in the sky" by the USAF, BACN-equipped Global aircraft acts as a universal gateway that can be utilised around the world. The Global family of aircraft is the platform of choice for more than ten different mission types across the world given their ultimate combination of speed, range and endurance and the 24/7 worldwide support infrastructure Bombardier has implemented. Bombardier Defense has dedicated in-house engineering and support teams in Wichita, KS, with the ability to incorporate customer-requested modifications and provide comprehensive integration solutions with complete certification capabilities across the full spectrum of civilian, military and hybrid operations. Recognised around the world for its diverse portfolio of proven and versatile specialised aircraft platforms, Bombardier cumulates decades of experience working with hundreds of special mission operators and renowned mission systems integrators.



Global 6000 jet

© Bombardier



## INFORMATION TECHNOLOGY

Based on their long-standing cooperation, CleverPine AD, a provider of software engineering services based in Sofia, Bulgaria and MRO expert Lufthansa Technik (LHT), have founded the joint venture ViTech in Sofia, Bulgaria. ViTech will build-up a product-oriented software engineering and data science centre to deliver high-quality software solutions solely for the digitalisation needs of Lufthansa Technik's business segments. Starting immediately, ViTech will recruit 85 Software Engineers, all based in Sofia. With the ambition to accelerate the digital transformation in the aviation industry and its initiative 'Digitise the Core', Lufthansa Technik is expanding its partnership with CleverPine, making the majority-owned joint venture ViTech a dedicated tech hub for the development of digital solutions exclusively for Lufthansa Technik. For the past 15 years, the MRO expert has already had a significant presence in Bulgaria through its subsidiary Lufthansa Technik Sofia. In addition, Sofia is home to leading universities and an emerging ecosystem of tech companies and was therefore chosen as the ideal location to launch ViTech, which is starting operations in October of this year. ViTech is looking for passionate software engineers to join the team of the recently founded venture. The roles comprise Engineering Managers, Software Engineers, Scrum Masters, UX Designers, Data Scientists and Product Owners.



CleverPine and LHT have founded the joint venture ViTech in Sofia, Bulgaria

© ViTech



© SITA

Brazilian carrier **Azul** has entered into a trial agreement for **SITA eWAS** and **SITA OptiClimb** to assess the performance and potential benefits of both systems. Azul is actively using SITA Mission Watch, making it the first airline in the Americas to do so. By collaborating with SITA, Azul is already achieving significant cost savings, reduced carbon emissions and improved operational efficiency, resulting in reduced aircraft downtime due to weather disruptions across its fleet of 177 aircraft. A significant proportion (up to 75%) of air traffic delays result from adverse weather conditions, costing airlines billions each year in additional fuel expenses, crew costs, and maintenance expenses. SITA's renowned weather awareness tools, SITA Mission Watch and SITA eWAS, are trusted by over 50,000 pilots and dispatchers globally and are now poised to have a substantial impact on Azul. SITA estimates that airlines can reduce the time aircraft spend on the ground due to weather delays by up to 60% if they have access to the right solutions. Both SITA Mission Watch and SITA eWAS uniquely offer multi-source weather feeds, delivering accurate 4-D weather

forecasts and real-time updates from various sources to pre-emptively warn about weather hazards, such as thunderstorms, lightning, clear-air turbulence, strong winds, icing and even volcanic ash. SITA OptiFlight® optimizes all phases of a flight, including climb, which is the most fuel-intensive phase of any flight. For Azul, this translates to an average annual fuel saving of 5% during climb-out on each flight. SITA OptiFlight® achieves this because it is the industry's only machine-learning solution providing optimized climb speeds and acceleration flight level recommendations for every climb. SITA OptiFlight® draws on tail-specific performance models fed with 4-D weather forecasts and operational flight plan inputs to predict fuel-burn scenarios. While SITA Mission Watch is tailor-made for dispatchers, SITA eWAS and SITA OptiFlight® support pilots. Together, they enable more innovative and cost-efficient flight operations for Azul.

**SITA** and **Fraport** are enabling all airlines at Frankfurt Airport to jointly use face biometrics as identification from check-in to boarding the aircraft. Frankfurt is the first airport in Europe to offer biometric touchpoints to all airline passengers, enabling streamlined, frictionless passage throughout the airport. Using SITA's Smart Path biometric solution, powered by NEC, your face becomes your boarding pass. Passengers can securely register in advance on their mobile device through the Star Alliance biometric app or directly at the check-in kiosk with their biometric-enabled passports. The whole registration process only takes a few seconds. Once registered, passengers pass through the facial recognition-equipped checkpoints without showing any physical documents. The new technology is already in use by more than 12,000 passengers at check-in, boarding pass control and boarding gates. SITA's biometric solution leverages the NEC i:Delight digital identity management platform, ranked the world's most accurate face recognition technology in vendor tests conducted by the US National Institute of Standards and Technology (NIST). This means passengers who have opted to use the service can be identified quickly and accurately, even on the move.



Frankfurt becomes the first European airport to offer full-coverage biometric systems  
© SITA

## OTHER NEWS

Innovative Nigerian business aviation company, **Vivajets**, has rolled out a set of innovative product offerings at an international conference held by the company in Lagos. The organisation also released a guide on fractional aircraft ownership, a specialised service that enables customers to become part owners of an aircraft. As Africa evolves through an increase in population, innovation and enterprise, new business leaders have emerged, and business aviation has become crucial in enhancing its efficiency. Business aviation, therefore, has the potential to stimulate African economic development alongside increased connectivity across the continent. Vivajets is positioning itself to meet this rising demand on the continent with a full range of services including aircraft management services, fractional ownership opportunities and aircraft sales and acquisition. Vivajets is one of the brands under **Falcon Aerospace Group**, alongside digital platforms, CharterXE and FlyPJX. "Vivajets is beyond a company. We are a young and dynamic organization, born out of the need to bring Africans together, facilitate regional connectivity, and empower African growth and renaissance," said CEO, Chukwuerika Achum. "We want to be part of the new African story. We want to support the next set of people who will retell the continent's story. We believe that our business strategy and culture will help facilitate and accelerate Africa's integration." According to Achum, Vivajets currently operates a number of international routes on chartered flights from its current base in Lagos. Destinations include London, Accra and Abidjan, with a range of operational strategies designed

**Airbus** is set to revolutionise its chartered vessel fleet responsible for transatlantic ferrying of aircraft subassemblies between production facilities in Europe and the United States. The company's ambitious plan includes replacing the current fleet with three state-of-the-art, low-emission, roll-on/roll-off vessels, featuring wind-assisted propulsion. Airbus has commissioned shipowner Louis Dreyfus Armateurs to build, own and operate these new,



Rendering of the new vessel, chartered by Airbus and operated by Louis Dreyfus Armateurs  
© Louis Dreyfus Armateurs / Airbus

highly efficient vessels that will enter into service from 2026. This innovative fleet renewal project aims to significantly decrease average annual transatlantic CO2 emissions, reducing them from 68,000 to 33,000 tonnes by 2030. This substantial reduction aligns with Airbus' overarching commitment to cut its industrial emissions by up to 63% by the end of the decade, using 2015 as the baseline year, in accordance with the 1.5°C pathway of the Paris Agreement. The transition will see Airbus gradually replacing its chartered vessels responsible for transporting aircraft subassemblies between Saint-Nazaire, France, and its single-aisle aircraft final assembly line located in Mobile, Alabama, US. These new vessels will utilise a unique power system, incorporating six Flettner rotors, which are large, rotating cylinders generating lift from the wind to propel the ships, alongside two dual-fuel engines running on maritime diesel oil and e-methanol. Furthermore, advanced routing software will optimise the vessels' transatlantic journeys, capitalising on wind propulsion while avoiding the effects of adverse ocean conditions. This renewal of the fleet not only represents a greener approach but also supports Airbus in achieving its goal of increasing the A320 family production rate to 75 aircraft per month by 2026. Each of the new transatlantic vessels will boast the capacity to transport around seventy 40-foot containers and six sets of single-aisle aircraft subassemblies, including wings, fuselage, engine pylons, horizontal and vertical tail planes, a significant improvement from the current cargo ships, which can transport only three to four sets.

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## OTHER NEWS

to improve travel efficiency, reduce travel time, maximise aircraft and make business aviation more accessible and affordable.

**Etihad Airways** and **Scandinavian Airlines (SAS)** have signed a strategic codeshare agreement, so customers of both airlines will enjoy enhanced connectivity to destinations across each other's networks. Arik De, Etihad's Chief Revenue Officer said: "Our strategic bilateral agreement with SAS, coming after the start of our flights to Copenhagen, allows more seamless travel for our guests from Northern Europe to enjoy Abu Dhabi, and to connect with our growing global network, including our expanding destinations in the Indian Sub-Continent, East Asia, Middle East, and Africa. The tie-in gives our guests one-stop access across Scandinavia to destinations including Oslo, Stockholm, Helsinki, Gothenburg, Bergen and Aarhus." SAS Executive, Vice President and Chief Commercial Officer Paul Verhagen, said: "We are happy for the opportunity to introduce a new codeshare agreement with Etihad Airways. This agreement strengthens Etihad's relationship with SAS, including partnering with SAS in the Etihad Guest frequent flyer programme. The codeshare is set to come into full service at the end of December 2023.

**Southwest Airlines** announced on Wednesday, October 25, that it has achieved a preliminary agreement with the **Transport Workers Union Local 556**, which represents nearly 19,000 flight attendants. This landmark agreement marks a significant milestone for the airline industry in the United States. The company stated that the union would be responsible for conveying the specifics of the agreement and the voting schedule directly to its members. Notably, Transport Workers Union Local 556, representing Southwest's dedicated flight attendants, has expressed concerns over their members not receiving a pay increase for the past four years. The flight attendants at Southwest have been advocating for improved compensation and a more favourable work-life balance in their upcoming contracts. In the last couple of years, various unions in the aerospace, construction, airline and rail sectors have been actively advocating for higher wages and enhanced benefits, taking place within a competitive labour market. In August, Southwest Airlines had previously reached a preliminary labour agreement with the union representing approximately 17,120 transport workers responsible for ramp operations, provisioning and cargo handling. It is worth noting that United and American Airlines have yet to reach an agreement with their flight attendants regarding new contracts.



© Crisalion Mobility

The company boasts its own unique technology, FlyFree, developed by research hub TECNALIA, which maximises aircraft stability and safety and has been tested successfully on European test flights. This change of brand reflects the attributes and values the company has built in just over two years and also captures the identity of a project with an ambitious, global roadmap. The new name is a blend of two concepts: chrysalis and lion. The chrysalis represents the transition from ground to air but is also a metaphor for the very real transformation underway in our world. Spearheading this metamorphosis takes tremendous courage and not everyone is prepared to lead. The concept of a lion embodies the strength and leadership that is needed to build the urban and intercity mobility of the future. With a fully integrated air and ground approach, Crisalion tackles mobility challenges from a disruptive perspective, underpinned by cutting-edge, in-house air and ground technologies which allow it to harness synergies across the two segments; it will make new mobility a real alternative by 2024 for ground solutions and by 2030 for air solutions. With this goal in mind, Crisalion Mobility submits to the strictest international certification processes. The Crisalion Mobility project is backed by two major business groups in Spain: Grupo Ibérica and Grupo Valdemira. Crisalion Mobility has secured more than €15 million (£13 million) to continue to expand its technology development and spearhead the transformation of advanced mobility. BlueBull, an investment bank specialising in high-growth technology companies, acts as exclusive financial advisor to Crisalion Mobility. During this process of rebranding and renewed investment, Crisalion Mobility has significantly grown its team over the last few months, bringing on board seasoned professionals such as Óscar Lara as COO and Gustavo Rodríguez as CTO. Other appointments are set to be announced imminently. This expansion is a clear reflection of Crisalion Mobility's commitment to talent and excellence.

**Lufthansa Group's** newest member **City Airlines**, which was founded last year, will start flight operations in the summer of 2024. The airline was founded last year and received its Air Operator Certificate (AOC) from the **German Federal Aviation Authority** back in June. It will operate its flights from the Munich and Frankfurt hubs and thus also offer feeder flights for Lufthansa. City Airlines will operate alongside **Lufthansa CityLine**. Recruitment of operational staff will begin in November 2023, with pilots and cabin crew members needed for the launch. The competitive strengthening of the short-haul network is essential for the market position of Lufthansa Group and for the planned growth of the long-haul segment in the German market. "With City Airlines, we want to create prospects for the coming decades and secure sustainable jobs in Germany. This is the only way for us to grow and sustainably strengthen the hubs in Munich and Frankfurt," said Jens Fehlinger, Managing Director of City Airlines. Talks with the social partners to agree on conditions for competitive and secure jobs have already begun. Lufthansa customers and passengers can look forward to a Lufthansa customer experience on board City Airlines aircraft. While City Airlines will start operations with Airbus A319 aircraft, Lufthansa Group is currently also evaluating the possibility of using Airbus A220 or Embraer aircraft.



City Airlines will start operations in the summer of 2024  
© Lufthansa Group

## OTHER NEWS

**GKN Aerospace** in Malaysia has signed an agreement with **DHL Express** to enable the use of sustainable aviation fuel (SAF) through DHL's GoGreen Plus service. The partnership is set to cut the carbon emissions of international shipments by 30% for GKN Aerospace's engine repair facility in Johor. Launched this year, DHL Express's GoGreen Plus allows customers to effectively mitigate the environmental footprint of its supply chains through carbon offsetting. The amount of SAF chosen is blended with conventional jet fuel at the point of air transport



© DHL Express

to lower the release of CO<sub>2</sub>e and other greenhouse gases. SAF is currently the only scalable measure, given its unparalleled capacity for long-range flights. This latest announcement supports the delivery of Scope 3 reductions in line with GKN Aerospace's commitment to the Science Based Targets initiative (SBTi). "It is GKN Aerospace's mission to be the most trusted and sustainable partner in the sky," said Derrick Cullen, Chief Manufacturing Engineer at GKN Aerospace. "The adoption of SAF for our logistics needs in Malaysia represents a step in the right direction for sustainable aviation. Through DHL Express's GoGreen Plus, we can demonstrate the viability of alternative fuel solutions and further encourage the market to scale."

## INDUSTRY PEOPLE



Akbar Al Baker

- **Akbar Al Baker**, who has been at the helm of Qatar Airways since 1997, is set to resign from his position as the airline's Chief Executive on November 5. This unexpected development marks the end

of one of the longest-serving leadership tenures in the aviation world. The reasons for Al Baker's departure were not disclosed by Qatar Airways, but the airline has announced that **Badr Mohammed Al Meer**, currently the Chief Operating Officer of Doha Hamad Airport, will succeed him as the new CEO. Recognised as one of the aviation industry's most outspoken and influential leaders, Al Baker is widely acknowledged for his role in elevating Qatar Airways to the status of one of the world's premier airlines. Throughout his 27-year tenure, he spearheaded ambitious expansion initiatives and substantial investments in Doha airport, which has evolved into a prominent global hub. Additionally, Al Baker currently holds the position of Chief Executive at the airport.



Michael Whitaker

- In a pivotal move on Tuesday, October 24, the Senate officially confirmed **Michael Whitaker** as the new leader of the Federal Aviation Administration (FAA), marking the end of an 18-month vacancy

that coincided with turbulent times for the aviation industry, raising concerns about safety amid airline and air traffic controller strains. FAA administrators are confirmed for five-year terms.



Pete Schneider

- Industry veteran **Pete Schneider** has joined King Aerospace as its new Vice-President, Programme Management and Special Projects. Schneider brings to King Aerospace more than 35 years of project

management experience across many challenging, high-profile and highly diversified aerospace programmes, including more than 15 years managing VVIP aircraft programmes for the U.S. Air Force and interna-

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tional leaders with Greenpoint Technologies and The Boeing Company. Schneider will oversee maintenance and completions projects for King Aerospace Commercial Corp. (KACC), which concentrates on business and corporate aircraft such as the Boeing Business Jet; King Aerospace Inc. (KAI), responsible for handling military and government contracts; and KACC Arkansas, specialising in wide-body government special mission aircraft. With an extensive background in programme management, engineering and business development, Schneider has worked on and managed projects as diverse as the F-22 Raptor fifth-generation fighter aircraft and special mission commercial derivative aircraft development for the U.S. presidential fleet, including the Boeing C-32A, C-40C and VC-25A. Most recently, Schneider managed Greenpoint's interior completions programme for the VC-25B, the upcoming replacement for the aircraft commonly known as "Air Force One" based on the Boeing 747-8 Intercontinental.



# 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
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Now	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
A330-200	Doric	Trent 772B-60	1310	2012	Q2/2024	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 69 247559-931
A330-200 EFW	ALTAVAIR	Trent 772B-60			Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B737-800 SF	GA Telesis		27988	2000	Now	Sale / Lease		aircraft@gatelesis.com	
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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

AE3007Engines	Sale / Lease	Company	Contact	Email	Phone
(2) AE3007A1E	Now - Sale	Aircraft and Engine Lease Corp.		fleetmanager@aelc.aero	
CF34 Engines	Sale / Lease	Company	Contact	Email	Phone
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E5	Now - Lease				
CF34-8C5	Now - Lease				
(2) CF34-3A	Now - Sale	GNS	Shlomi Levi	shlomi@g-n-solutions.com	+972-52 850 8511
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CF34-10E6	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CF34-10E5	Now - Sale / Lease	DASI	Joe Hutchings	joe.hutchings@dasi.com	+1 954-478-7195
(1) CF34-8C5A1	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120



# THE AIRCRAFT AND ENGINE MARKETPLACE

## 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) CFM56-5B4/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(3) CFM56-5C4	Now - Lease				
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-7B26/E	Now - Lease				
(1) CFM56-5B4/P	Now - Sale/Lease/Exch.	AeroDirect	Sean Miller	SMiller@aerodirect.com	+1.404.229.3723
(1) CFM56-5B2/P	Now - Sale/Lease/Exch.				
(4) CFM56-5B5/P	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7040
(1) CFM56-5B4/P	Now - Sale / Lease				
(5) CFM56-5B6/P					
(2) CFM56-7B26/3	Now - Sale / Lease				
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-5B3/3	Now - Lease				
(1) CFM56-5B4/P	Now - Lease				
(2) CFM56-5B4/3	Now - Lease				
(2) 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/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(5) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) LEAP-1A26	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) LEAP-1A33	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
(1) PW1521G-3	Now - Lease				
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(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



# THE AIRCRAFT AND ENGINE MARKETPLACE

## 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/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
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	Q3/2022 - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) V2533-A5	Now - Sale/Lease/Exch.				
(1) V2527-A5	Now - Sale/Lease/Exch.	AeroDirect	Sean Miller	SMiller@aerodirect.com	+1.404.229.3723
(2) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2533-A5	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(1) V2533-A5	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiairline.com	+1 786-785-0777
(1) V2527-A5	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(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,	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) GTCP131-9B					
(1) A321 Enhanced Landing Gear 2020 OH					
(1) GTCP36-150	Now - Sale	GNS	Shlomi Levi	shlomi@g-n-solutions.com	+972-52 850 8511
(3) A320 LG Shipsets, (1) A320 NLG, (5) A340 LG Shipset		GA Telesis		landinggearsales@gatelesis.com	
(1) A321 LG Shipset, (4) 767 LG Shipset					
(1) 777-200 LG Shipset, (3) 737 LG-Shipset					
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) 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) APS3200B, (1) APS3200C		GA Telesis		apu@gatelesis.com	+1-954-849-3509
(1) 131-9A, (4) 131-9B					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000				stands@gatelesis.com	+1-954-676-3111
(3) APU GTC131-9B	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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