

Weekly Aviation Headline News



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90 Days Deadline - FAA Increases Pressure on Boeing

FAA demands: "Boeing must commit to real and profound improvements."

The Federal Aviation Administration (FAA) has instructed Boeing to develop a plan within 90 days to rectify serious quality and safety issues. As reported by CNN, the directive follows a day-long meeting between FAA Administrator Mike Whitaker and Boeing CEO Dave Calhoun, during which Whitaker made the demand. This move comes after a year-long FAA-commissioned probe revealed a "disconnect" between Boeing executives and employees regarding safety concerns, with employees expressing fears of reassignment or stalled career growth for reporting such issues.

During discussion at FAA Headquarters on Tuesday, FAA Administrator Mike Whitaker informed top Boeing officials that the aircraft manufacturer must develop a comprehensive action plan to address its systemic quality-control issues to meet FAA's non-negotiable safety standards.

"Boeing must commit to real and profound improvements," Administrator Whitaker said following the meeting with Boeing Chief Executive Officer and President Dave Calhoun and his senior safety team. "Making foundational change will require a sustained effort from Boeing's leadership, and we are going to hold them accountable every step of the way, with mutually understood milestones and expectations. Boeing must take a fresh look at every aspect of their quality-control process and ensure that safety is the company's guiding principle," Administrator Whitaker continued.

Administrator Whitaker told Boeing that he expects the company to provide the FAA a comprehensive action plan within 90 days that will incorporate the forthcoming results of the FAA production-line audit and the latest findings from the expert review panel report, which was

required by the Aircraft Certification, Safety, and Accountability Act of 2020.

"By virtue of our quality stand-downs, the FAA audit findings and the recent expert review panel report, we have a clear picture of



FAA Administrator Mike Whitaker

© FAA

what needs to be done. Transparency prevailed in all of these discussions. Boeing will develop the comprehensive action plan with measurable criteria that demonstrates the profound change that Administrator Whitaker and the FAA demand. Our Boeing leadership team is totally committed to meeting this challenge." Boeing President and CEO Dave Calhoun said.

The meeting occurred ahead of the expected release of a six-week FAA audit of Boeing's production line, initiated after investigators found

"Making foundational change will require a sustained effort from Boeing's leadership, and we are going to hold them accountable."
FAA Administrator Mike Whitaker

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David L. Calhoun, Boeing President & CEO

critical bolts missing from a Boeing 737 MAX 9 door plug that blew open mid-flight. The FAA specified the Boeing plan must address weaknesses in implementing the com-

“Boeing will develop the comprehensive action plan with measurable criteria.”

Boeing President and CEO Dave Calhoun

pany’s safety management system (SMS) and integrate the SMS programme with another quality programme. Despite a recent overhaul of the manual guiding employees on safety procedures, the panel found a lack of knowledge among many Boeing employees about the SMS efforts, its purpose and procedures. While a panel reported Boeing’s safety shortcomings on Monday, February 26, recommending a six-month timeline for addressing the issues, the FAA’s new directive sets a faster pace. The FAA insists that Boeing’s resulting plan must lead to a “measurable, systemic shift in manufacturing quality control.” “We transparently supported the panel’s review and appreciate their work. We’ve taken important steps to foster a safety culture that empowers and encourages all employees to share their voice. But there is more work to

do. We will carefully review the panel’s assessment and learn from their findings, as we continue our comprehensive efforts to improve our safety and quality programs.”

In an earlier statement beginning of February, Boeing President and CEO Dave Calhoun said, “Whatever final conclusions are reached, Boeing is accountable for what happened. An event like this must not happen on an airplane that leaves our factory. We simply must do better for our customers and their passengers. We are implementing a comprehensive plan to strengthen quality and the confidence of our stakeholders. It will take significant, demonstrated action and transparency at every turn – and that is where we are squarely focused.” Continuing, “This added scrutiny – from ourselves, from our regulator and from our customers – will make us better. It’s that simple,” said Calhoun.

Boeing faced a 19-day emergency grounding of all MAX 9s after a January 5, blowout incident on an Alaska Airlines’ aircraft.

AIRCRAFT & ENGINE NEWS

AutoFlight performs first inter-city demonstration flight

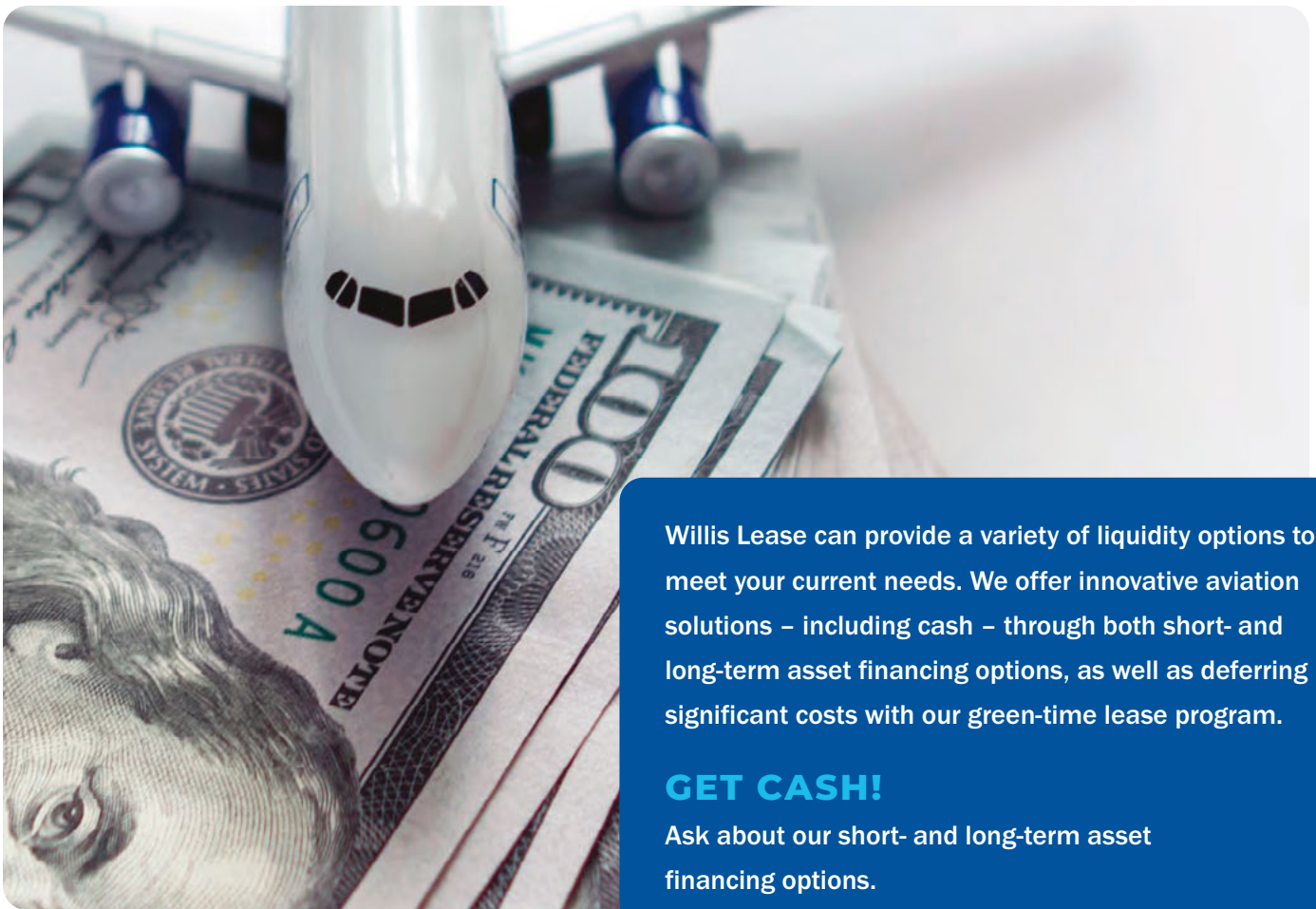
AutoFlight, the eVTOL pioneer, has performed the first inter-city electric air-taxi demonstration flight between the southern Chinese cities of Shenzhen and Zhuhai. AutoFlight’s five-seater Prosperity eVTOL aircraft completed a significant milestone by autonomously flying the 50 km (31 miles) route from Shenzhen to Zhuhai across the Pearl River Delta in just 20 minutes, a journey that would require three hours by car. This achievement marks the world’s first public flight of an eVTOL aircraft on a cross-sea and inter-city route, spanning across the bay where the Pearl River meets the sea, connecting the two southern Chinese cities of Shenzhen and Zhuhai. The demonstration flight was uncrewed and fully autonomous, with certification for crewed passenger flights anticipated within approximately two years. This flight marks a significant milestone in the development and road to certification of this exciting new form of mobility. The route between Shenzhen and Zhuhai is part of the future air traffic scenario planned by the regional government as it develops its “low-altitude economy” strategy that will see the opening of thousands of vertiports and hundreds of eVTOL air routes across the Greater Bay Area in southern China. Low-altitude application scenarios will include passenger transport, tourism, logistics and emergency services. In the short term, plans are in development to achieve 300,000 cargo UAV flights in this region per year. AutoFlight’s partner in the region Heli-Eastern, a major low-altitude general aviation carrier and helicopter service provider, recently entered an agreement with AutoFlight to purchase 100 Prosperity passenger eVTOL aircraft. The aircraft will be used on routes such as the one demonstrated by AutoFlight, from Shekou Ferry Port in Shenzhen to the Jiuzhou Ferry Port in Zhuhai, as well as from other transportation hubs in the region. Referred to as air-taxis, these eVTOLs do not require traditional airports or runways. Similar to helicopters, they take-off vertically and transition into fixed-wing flight mode in the air, cruising at high speeds like traditional large aircraft. The aircraft delivers an electric-powered, safe, comfortable, sustainable and affordable performance at significantly lower noise levels than traditional aircraft.



Demonstration flight of AutoFlight’s Prosperity eVTOL aircraft

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AIRCRAFT & ENGINE NEWS

JSA signs financing deal for Hawaiian Airlines' first Boeing 787-9

Jackson Square Aviation (JSA) has reported the successful financing of Hawaiian Airlines' first Boeing 787-9 Dreamliner, marking a milestone in their long-standing partnership. John Yanney, JSA Head of Marketing Americas and OEM Relations, expressed his gratitude, saying, "Having nurtured a relationship with Hawaiian Airlines for nearly a decade, we are especially honoured by their trust in JSA to finance their latest addition to the fleet. We eagerly anticipate the arrival of the Hawaiian Dreamliner in our home city of San Francisco and extend our best wishes for its global service as it embodies the Aloha Spirit." Jay Schaefer, Hawaiian Airlines Vice President and Treasurer, shared his enthusiasm, stating, "We are very pleased to continue our partnership with Jackson Square Aviation. As we embark on an exciting growth phase, the Boeing 787-9 not only offers superior guest comfort but also perfectly aligns with our unparalleled Hawaiian hospitality. We look forward to the positive impact this aircraft will have on our global network."



Jackson Square Aviation has signed a financing deal for Hawaiian Airlines' first Boeing 787-9 Dreamliner
© JSA

THC inks milestone framework deal at HAI Heli-Expo



THC is set to receive up to 120 Airbus helicopters of various types
© Airbus Helicopters

Saudi Arabia's commercial helicopter services provider, The Helicopter Company (THC), fully owned by the Public Investment Fund, has secured a historic framework agreement with Airbus during the ongoing HAI Heli-Expo at the Anaheim Convention Centre, California. Under this significant agreement, THC is set to receive up to 120 Airbus helicopters of various types within the next five to seven years. The deal includes a firm order for eight H125s and ten H145s, the latter being converted options from a previous contract. This brings THC's total firm Airbus helicopter fleet to 60, with 25 already in active service. "Our relationship with THC started in 2020 with the first contract for ten H125s. Since then, it's gone from strength to strength, moving beyond just helicopters to also look at how we can help pave the way for the use of sustainable aviation fuel in the region. This latest framework agreement reinforces the scope of our offering, and we thank THC for allowing us to help expand their helicopter activity," said Bruno Even, Airbus Helicopters CEO. The newly acquired H125 helicopters will play a crucial role in supporting THC's diverse services, including aerial work and tourism, while the H145s will be utilised in emergency medical services (EMS) and corporate transport. As a pioneer in advancing commercial helicopter services in the Kingdom, The Helicopter Company has introduced the H145 for EMS and deployed both the H145 and H125 in support of the Dakar Rally. In the past year, the company marked another milestone with the delivery of its first ACH160 for Red Sea Global tourism operations.

LCI and Airbus join forces to advance air mobility

LCI and Airbus have joined forces to propel the development of advanced air mobility (AAM) ecosystems. Their collaboration is centred on strategic planning, commercialisation and financing in three pivotal AAM areas. Together, they will scrutinise market perspectives, conduct industry research and leverage data analytics to facilitate the creation of cutting-edge AAM solutions. In addition to this collaboration, LCI assumes a critical role as a key financial partner for designated Airbus AAM projects, particularly those involving emergency medical services. LCI will also explore imaginative leasing and finance solutions tailored for potential CityAirbus NextGen customers. On another front, Airbus achieved a significant milestone by completing the assembly of its CityAirbus NextGen and initiating its power-up sequence at the close of 2023. The subsequent phase involves the commencement of the vehicle's test campaign, utilising Airbus' dedicated new AAM test house in Donauwörth, Germany. Simultaneously, Airbus is actively broadening its global network and forming partnerships to craft a distinctive ecosystem, fostering a successful and sustainable AAM market. LCI, a prominent aviation firm, holds a distinctive position spanning the commercial fixed-wing, helicopter and advanced air mobility sectors. Established in 2004, LCI has been involved in aviation transactions totalling around US\$10 billion (£8 billion), offering leasing services to operators, governments and end-users. The company is under the ownership of the Libra Group, a privately-owned international business group with subsidiaries managing assets in nearly 60 countries, and Sumitomo Mitsui Finance and Leasing Company, Limited (SMFL).



LCI and Airbus will collaborate to jointly develop ecosystems for advanced air mobility (AAM)
© Airbus

AIRCRAFT & ENGINE NEWS

Airbus Helicopters rakes in new orders at HAI Heli-Expo

Airbus Helicopters has signed various new helicopter orders and service agreements at this year's HAI Heli-Expo 2024. Niagara Helicopters has placed an order for six H130 helicopters, confirming a full-fleet renewal for the tourism company based in Niagara Falls, Ontario, Canada. Each year, the company welcomes more than 100,000 customers from all over the world, providing a nine-minute, 27-kilometre sightseeing tour over Niagara Falls. Airbus Helicopters and Bristow Group have signed a framework contract for up to fifteen H135 helicopters (five firm orders, plus ten options) during the HAI Heli-Expo. The delivery of the first helicopter is scheduled for October 2024. Air Center Helicopters, (ACHI) has signed an Airbus HCare in-service contract to support its fleet of 18 H225 helicopters for the next five years. ACHI uses the versatile H225 aircraft to carry out a wide range of missions across the globe, including but not limited to expeditionary airlift, personnel recovery, search and rescue, medevac/casevac, Department of Defence real-world scenario training, ship-based services and disaster relief. Furthermore, LCI and Airbus Helicopters have unveiled a new Flight Path partnership, which will address the long-term capacity, sustainability and financing requirements of the industry. Airbus predicts demand for over 16,000 new helicopters by 2041, with a combined value approaching US\$130 billion (£103million). The new partnership will see LCI and Airbus Helicopters leveraging their combined knowledge, experience and analytical capabilities to identify the infrastructure and financial innovations that will address this demand.



Niagara Helicopters has placed an order for six H130 helicopters at HAI Heli-Expo 2024
© Airbus Helicopters - Mike Reyno

Bristow Group selects Arrius 2B2 engines for H135 fleet



Bristow Group has selected Arrius 2B2 engines and an SBH® support contract for its new H135 fleet
© Safran - Thomas Garza

Bristow Group has signed a contract with Safran Helicopter Engines to power its new fleet of H135 helicopters with Arrius 2B2 engines. In-service support and MRO for these engines will be provided by an SBH® (support-by-the-hour) contract. At Heli-Expo 2024, Bristow announced the acquisition of five H135 helicopters (plus ten optional units). The engines will be supported primarily by Safran Helicopter Engines U.S.A. in Grand Prairie, Texas, which supports more than 400 customers in the U.S.A. and a total fleet of 3,200 engines. "Our decision to select Safran Helicopter Engines' Arrius 2B2 to power our H135 helicopters is driven by our commitment to operational excellence," said Stu Stavley, Bristow's Chief Operating Officer, Offshore Energy Services. "The Arrius 2B2 engine's support offering aligns perfectly with our mission requirements to meet our customer needs." The Arrius 2B2 powers the Airbus H135 helicopter. With a power output of 633 shp at take-off and 580 shp at cruise, it is one of the most powerful variants in the Arrius engine family. With over 4,000 Arrius engines delivered to 430 customers in 60 countries and more than ten million hours in service, the Arrius family covers a power range from 450 to 750 shp and is the most

popular engine range for single- and twin-engine light helicopters. SBH® is Safran Helicopter Engines' maintenance-by-the-hour service. It provides visibility on engine operating costs and smooths financial flows, while making scheduled and unscheduled maintenance operations more flexible. SBH® is integrated into a range of high-value-added digital services such as health monitoring, expert link and online SBH®. Today, 50% of Safran Helicopter Engines' engine flight hours are covered by the SBH® service.

AIRCRAFT & ENGINE NEWS

HealthNet Aeromedical Services orders four Airbus H135 helicopters

HealthNet Aeromedical Services, headquartered in Charleston, West Virginia, will soon expand its all-Airbus fleet with the addition of four H135 helicopters. As one of the largest hospital-based air medical programmes in the country, the helicopters will be used to serve adult, paediatric and neonatal patients across the state of West Virginia. Airbus' light, twin-engine H135 incorporates the most advanced technologies available, including Airbus Helicopters' Helionix avionics suite, which, in addition to the four-axis autopilot, offers an innovative cockpit layout to enhance situational awareness. Designed with three large electronic displays, the H135's cockpit is night vision goggle compatible and includes a 'First Limit Indicator', which highlights the appropriate engine instrument data for the pilot in one indicator. HealthNet has exclusively operated Airbus helicopters since the programme's inception nearly four decades ago, caring for more than 100,000 patients during that time. Its current fleet of eleven aircraft is comprised of H130, H135 and EC145 helicopters. The H135 helicopter combines a wide, unobstructed cabin with excellent performance, range and payload capacity, as well as low sound levels. The oversized sliding side doors and rear clamshell doors enable fast loading/unloading of patients, with additional safety during ground operations provided by Airbus' signature shrouded Fenestron tail rotor.



Airbus H135 helicopter

© Airbus/Lorette Fabre

MRO & PRODUCTION NEWS

Liebherr-Aerospace to provide MRO for JAL's E170 and E190 landing gears



Contract signing at the Singapore Airshow between Liebherr-Aerospace and JAL
© Liebherr-Aerospace

Liebherr-Aerospace and Japan Airlines (JAL) have signed a long-term service contract for the overhaul of landing gears. With this contract, Liebherr-Aerospace becomes the exclusive service provider for J-Air, a subsidiary of the JAL Group, for MRO of the landing gears of the airline's E170 and E190 fleet. Following the completion of the initial landing gear overhaul programme which had started in 2019, this new contract renews the profound partnership between JAL and Liebherr-Singapore by extending the earlier landing gear overhaul programme by another 17 landing gear sets. The new overhaul programme is planned to start in mid-2024 and will extend until 2028. J-Air, with its main bases in Tokyo and Osaka, is a wholly owned subsidiary of Japan Airlines, a member of the one-world alliance. The complete landing gear system for the E-Jet family (E170/175, E190/195) was developed and manufactured by Liebherr-Aerospace Lindenberg GmbH (Germany), Liebherr's centre of competence for flight control, actuation, gears as well as gearboxes and landing gear systems.

Portugal's civil aviation authority issues two new certifications to MESA

Portuguese maintenance provider MESA, based in Lisbon and Beja, is expanding its service portfolio; Portugal's civil aviation authority ANAC has issued two new certifications to MESA. The MRO provider is now authorised to perform an enhanced scope of base maintenance on the Airbus A330 equipped with Pratt & Whitney PW4000 engines. For Airbus A340 aircraft, MESA can now conduct base maintenance in intervals of up to 48-months. This distinction allows the company to undertake more detailed and comprehensive repairs on A340 airliners, which includes an exhaustive inspection of structural components, systems and various other crucial elements. This accomplishment enhances its ability to handle a broader spectrum of aircraft types and engine configurations, further strengthening its position as a versatile MRO partner.



ANAC has issued two new certifications to MESA

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N3 Engine Overhaul Services commences expansion at Erfurter Kreuz, Germany

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Aerospace leaders unite to safeguard aviation supply chain



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identify opportunities for reinforcing existing supply chain operations. The outcomes will be presented in a comprehensive report later this year, containing recommendations to ensure compliance with safety standards and prevent the introduction of unauthorised aviation parts into the supply chain. The coalition's inclusive approach spans the industry, leveraging expertise from manufacturers, airlines and maintenance, repair, and overhaul stations. GE Aerospace Chief Transformation Officer Phil Wickler, a coalition member, emphasised the collective determination to find swift and effective solutions, stating, "One bad actor is one too many in an industry so focused on quality and safety."

MRO & PRODUCTION NEWS

Airinmar secures multi-year support services extension with PAL

AAR subsidiary Airinmar has signed a multi-year support services extension with Philippine Airlines (PAL). Working in conjunction with PAL's aircraft material management team, Airinmar will provide a full suite of support services covering both aircraft warranty and value engineering. The services will supplement PAL's current activities and continue building on the successful recovery of the Philippine flag carrier's aircraft warranty entitlements and reducing the cost of component repair. "Since we implemented Airinmar's services at the start of 2020, Airinmar has been a trusted partner. We appreciate their commitment to value engineering and solid warranty management, which has contributed to meeting Philippine Airlines' safety and efficiency goals," said Alvin Kendrick Limquenco, PAL SVP – Supply Chain Management Group. "We will continue to leverage Airinmar's comprehensive engineering knowledge and expertise to help drive down PAL's operational maintenance costs and thereby contribute to our overall sustained improvement goals." Airinmar's value

Turkish Technic inks component pool agreement with Silk Way West Airlines



Silk Way West Airlines Boeing 777F aircraft

© Turkish Technic

Turkish Technic has inked a component pool agreement with Silk Way West Airlines, a Boeing 777F fleet operator with ongoing orders. Under this accord, Silk Way West Airlines gains access to spare parts pooling and MRO services for essential components. Furthermore, the airline will enjoy the advantages of swift transport routes within Turkish Technic's global supply chain network, including aircraft on ground (AOG) support for critical components.

Mikail Akbulut, CEO of Turkish Technic, expressed enthusiasm about the collaboration, stating, "We are thrilled to initiate a long-term partnership with Silk Way West Airlines. With decades of expertise in component maintenance and an extensive inventory, we take pride in being a leading Boeing 777 component pooling solution centre. We look forward to closely collaborating with the airline to ensure the utmost safety and reliability for their Boeing 777F fleet." Wolfgang Meier, President of Silk Way West Airlines, emphasised the importance of the agreement, saying, "We are pleased to join forces with Turkish Technic to enhance our operational capabilities and uphold our commitment to excellence in air cargo transportation. This collaboration reflects our dedication to providing reliable and efficient services to our customers worldwide." Turkish Technic operates as a comprehensive MRO company, offering high-quality services, competitive turnaround times and in-house capabilities at state-of-the-art hangars. The company provides maintenance, repair, overhaul, engineering, modification, tailor-made power-by-the-hour (PBH) and reconfiguration services to a diverse range of domestic and international customers across five locations.

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engineering support will continue to deliver cost savings through supplier compliance with PAL's contracted component repairs and minimise component flight-hour out-of-scope repair charges. Airinmar's aircraft warranty management services cover the identification, claim and recovery of the multiple aircraft warranty entitlements provided by Airbus, Boeing, de Havilland and their suppliers.

Safran Nacelles signs service agreement with Cebu Pacific

Cebu Pacific and Safran Nacelles have signed a multi-year service agreement to cover the maintenance repair and overhaul (MRO) of the carrier's Airbus A330neo nacelles as well as an asset pool access. Under this agreement, Cebu Pacific will have access to Safran Nacelles' shared pool of nacelles end-items at any time, ensuring the availability of critical components whenever needed. Furthermore, the airline will benefit from Safran Nacelles' original equipment manufacturer guaranteed MRO solutions in its repair stations. Safran Nacelles' repair services and spares resources are part of the company's NacelleLife™ support programme, which ensures responsive, cost effective and high-quality services that keep airliners in operational condition while minimising costs.

GA Telesis MRO Services expands landing gear repair capabilities

GA Telesis (GAT) has added Embraer E175 landing gear overhaul and repair capabilities to its existing suite of E170, E190 and E195 aircraft platforms. This latest addition marks a significant milestone for GAT, providing the company's E-Jet customers the opportunity to reduce the number of vendors and take advantage of the economies of scale. The new repair capabilities will be performed at the existing FAA/EASA/CAAC-certified component repair facility located at Miami International Airport. The addition of new E-Jet landing gear capabilities represents a transformative leap forward for the GA Telesis ecosystem. This milestone opens a realm of possibilities, enabling GAT to diversify its product portfolio and expand its service offerings to cater to a broader range of customers within the aviation industry. The integration of these capabilities strengthens GAT's position as a key player in the E-Jet market, allowing GAT to solidify existing partnerships and forge new ones while ultimately positioning the company for sustained growth and success in the dynamic aviation landscape.

AERO CARE opens new Miami headquarters, joins forces with Alchemy Aero

AERO CARE has opened new headquarters in Miami, FL., ensuring that it is strategically positioned to support its global customer base. The new facility will house the organisation's stock of engine parts for CFM56 and V2500 engines. Focused on enabling operators to fly their engines for as long and as economically as possible, AERO CARE concentrates on mid- to late-life engines, providing solutions that cover green-time leasing, parts supply and asset management. For more than 17 years, AERO CARE has guided and supported its customers, providing the reassuring solutions required to ensure their continued and successful operations. Managing Director, Anca Mihalache, who has spearheaded this strategic move to the U.S., explains the company's new direction: "Miami is the commercial aviation engine hub of the Americas, so it is logical for AERO CARE to be based here. However, we will be supported by our European office in Bucharest, Romania, to ensure our global reach and 24/7/365 service is faultless. "As a portfolio company of Alchemy Aero Corporation, the specialist aviation investment and trading platform, we have the secure financial support we need to acquire the engine assets our customers need. We have an ambitious growth target and look forward to cementing our position as a respected mature aircraft assets solutions provider."



AERO CARE's new headquarters in Miami will house the company's stock of engine parts for CFM56 and V2500 engines © IAE

Safran to establish state-of-the-art facility in Brittany, France



Image of Safran's new facility in Rennes, France

© Safran

Safran Aircraft Engines has unveiled plans to establish a cutting-edge foundry in Rennes, Brittany, France, dedicated to the production of turbine blades for its key engine programmes: the M88 in the defence sector and the CFM International LEAP in commercial aviation. The operations will be consolidated under the newly formed entity,

Safran Turbine Airfoils, situated at the heart of the La Janais industrial excellence cluster in Rennes. The facility is expected to employ approximately 200 individuals initially, with potential for future expansion. Set to commence operations in 2027, the facility will contribute to Safran's global production network for advanced fan blades. Olivier Andriès, CEO of Safran, expressed enthusiasm, stating, "We are delighted to announce the establishment of this new production facility in a dynamic and appealing region. The strategic decision to position Safran Turbine Airfoils here in France underscores our commitment to the country's national sovereignty and industrial renaissance. We aim to showcase Safran Turbine Airfoils as a model of innovation, industrial efficiency, and energy performance." The new facility will collaborate closely with the company's historic foundry in Gennevilliers, near Paris, adhering to the highest energy performance standards. It will incorporate innovative processes and streamlined logistics flows connecting with the company's other production sites in the Paris region. The LEAP engine, operational since 2016, has demonstrated a 15% reduction in fuel consumption and CO2 emissions on the Airbus A320neo and Boeing 737 MAX families of the latest-generation narrow-body airliners. The LEAP engine aligns with Safran's commitment to decarbonise aviation. In 2021, Safran initiated the 'CFM RISE' technology demonstrator programme, aiming to further decrease the carbon footprint of next-generation aircraft engines by 20% by 2035.

FINANCIAL NEWS

Leonardo delivers another year of strong financial performance

Leonardo has delivered another year of strong financial performance, meeting or exceeding targets. Orders show continuous and structural growth, reaching close to the level of €18 billion (over €18.7 billion on a pro-forma basis consolidating Telespazio), with a strong performance in European electronics. The strong growth and positive commercial trend is even more relevant considering that 2022 orders included jumbo orders for the AW149 helicopters in Poland. Revenues are growing by 3.9% (+4.1% pro-forma consolidating Telespazio), thanks also to the performance of Defense Electronics and Security and Helicopters, as well as the significant recovery of Aerostructures (+34%). Revenue growth is combined with growth in EBITA of 5.8% (+6% pro-forma consolidating Telespazio). EBITA continues to be driven by Defense Electronics and Security, with a strong contribution from the European component, and by the ongoing Aerostructures recovery, bringing ROS to 8.4%. The financial performance is strong, with the cash flow (FOCF) recording an increase of 17.8% compared to the already material figure recorded in 2022, demonstrating the group's ability to continue the efficiency path undertaken leading to growing cash flow generation and conversion. Group net debt continues to decrease, with an improvement of over 23% compared to 2022, and stands at €2.3 billion; the significant cash generation and the proceeds deriving from the sale of the minority stake of DRS have allowed the group to continue on the path of debt reduction. (£1.00 = €1.17 at time of publication).

AerCap posts strong financial results for Q4 and full year 2023

AerCap has revealed its financial performance for the fourth quarter and full year of 2023, concluding on December 31, 2023. Angus Kelly,

MRO & PRODUCTION NEWS

Condor selects RECARO Aircraft Seating for new fleet

RECARO Aircraft Seating has been chosen by German leisure airline Condor to supply the economy-class cabins of its new Airbus fleet with the popular BL3710 and lightweight SL3710 seats. Condor's new fleet includes 28 Airbus A321 and 13 A320 aircraft to be delivered between 2024 and 2028. The nearly 9,000 seats ordered will be installed in a hybrid-layout and will feature distinctive Condor branding elements. The BL3710 seat comes equipped with several comfort amenities, such as individual USB-power, an enhanced ergonomic seat bottom, an adaptable tray table, elongated armrests and a bring-your-own-device (BYOD) holder to tailor the entertainment experience in the cabin. The lightweight SL3710 model offers advanced ergonomics suitable for all body types, along with the convenience of USB-power access at each seat, an integrated cup holder, all fitted on an eight-kilogramme frame. A commitment to long-lasting performance is underscored by the customer service team at RECARO, dedicated to optimising the lifespan and functionality of Condor's seating. Moreover, common spare parts between the BL3710 and SL3710 models contribute to reduced maintenance expenses for the airline.



Condor aircraft equipped with RECARO BL3710 seats

© Condor

the CEO of AerCap, expressed satisfaction with the results, marking another record quarter and a stellar year for the company. Kelly attributed these achievements to the robust operating environment and positive momentum in aircraft, engines, and helicopters leasing and sales. The quarter also saw AerCap collecting over US\$600 million in insurance settlements, contributing to a total of US\$1.3 billion in 2023. Kelly emphasized the team's talent, dedication, and industry leadership, expressing confidence in AerCap's outlook for 2024 and beyond. Key financial highlights include a 27% return on equity and a 16% adjusted return on equity for Q4 2023. The book value per share reached US\$83.81 as of December 31, 2023, reflecting a 25% increase from the previous year. The unlevered gain on sale margin was 18% for

assets sold in Q4 2023, equivalent to 1.62-times book value on an equity basis. In terms of cash flow, AerCap reported US\$1.4 billion from operating activities in Q4 2023, contributing to a total of US\$5.3 billion for the full year 2023. The company successfully recovered US\$1.3 billion in cash insurance settlement proceeds, with US\$609 million obtained in Q4 2023. Throughout 2023, AerCap returned US\$2.6 billion to shareholders through the repurchase of 44.3 million shares at an average price of US\$59.09 per share. Additionally, following a prosperous secondary offering in Q4 2023, General Electric (GE) has completely divested its AerCap shares. The adjusted debt/equity ratio stood at 2.47 to 1 as of December 31, 2023, underlining AerCap's solid financial position. (£1.00 = US\$1.27 at time of publication).

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MILITARY AND DEFENCE

T55 engines to power Germany's first Chinook helicopters

Honeywell will supply 105 T55-GA-714A engines to support Germany's procurement of new CH-47F aircraft, the country's first fleet of Chinook helicopters. This sale supports Honeywell's alignment with the compelling megatrend of the future of aviation. "The German army's selection of the CH-47F Chinook helicopter is a testament to the reputation of not just the CH-47F, but also the T55 engines that have powered that helicopter since the 1960s," said Dave Marinick, President, Engines and Power Systems, Honeywell Aerospace Technologies. "Chinooks have proved to be one of the most versatile vehicles in military history, and perform missions that include troop transport, search and rescue, and special operations, among others. We are humbled to deliver the T55 engines that will support Germany's growing military and heavy-lift capabilities." Honeywell's T55 engine is a world leader in powering heavy-lift helicopters. Over 1,000 CH-47 helicopters powered by T55s are operated today by militaries and civil aviation entities around the world. Honeywell's latest T55-GA-714A engine configuration produces nearly 5,000-shaft horsepower, powering Chinook aircraft up to 170 knots even in demanding operating conditions. Honeywell first delivered the T55 engine to the U.S. Army in 1961 at 2,200 shaft horsepower for the CH-47A helicopter. Since then, the engine's power has more than doubled to a 5,000-shaft horsepower class engine and logged some 12 million hours of operation on the Boeing CH-47 and MH-47 Chinook helicopters. The order and supply of the T55 engines for the German military is managed through the office of U.S. Army Foreign Military Sales.



Honeywell will supply 105 T55-GA-714A engines to support Germany's procurement of new CH-47F aircraft
© Honeywell

Boeing receives manufacturing order for 17 P-8A Poseidon aircraft



Out of the 17 P-8A Poseidon orders, 14 aircraft will go to Canada and three aircraft will go to Germany

© Boeing

The U.S. Navy has awarded Boeing a US\$3.4 billion contract to begin manufacturing 17 P-8A Poseidon aircraft, 14 for the Royal Canadian Air Force and three additional P-8s for the German Navy. In November 2023, Canada announced its decision to acquire the P-8A Poseidon to replace its current fleet of CP-140 Auroras. The first P-8A for Canada is expected to deliver in 2026. With the P-8 acquisition, Boeing's economic commitments to Canada have the potential to generate annual benefits of more than 3,000 jobs for Canadian industry and value-chain partners, and at least US\$358 million to Canada's gross domestic product over a ten-year period. Canada's Team Poseidon includes CAE, GE Aviation Canada, IMP Aerospace & Defence, KF Aerospace, Honeywell Aerospace Canada, Raytheon Canada, and StandardAero. The team builds on 81 Canadian suppliers to the

P-8 platform and more than 550 suppliers across all provinces contributing to Boeing's annual ~CAD\$4 billion in economic benefit to Canada, supporting more than 14,000 Canadian jobs. Following the initial procurement of five P-8 aircraft in June 2021, Germany added three additional aircraft to bring the total number of P-8s for the German Navy to eight. The first aircraft will be delivered in 2025, to replace the country's fleet of P-3 Orions. In Germany, Boeing has partnered with ESG Elektroniksystem-und Logistik-GmbH and Lufthansa Technik to deliver systems integration, training, support and sustainment work that will bring the highest operational availability to fulfill the German Navy's missions. Last year, Boeing and CAE signed teaming agreements to expand multi-mission platform collaboration in Canada, Germany and Norway. These agreements use the complementary capabilities of each company to provide superior management, technical and cost-effective training solutions for the P-8A Poseidon programme. (£1.00 = US\$1.26 / CA\$1.72 at time of publication).

INFORMATION TECHNOLOGY

Norse Atlantic Airlines (Norse Atlantic), a Norwegian low-cost airline, has selected **Ultramain Systems** electronic logbook, ULTRAMAIN ELB, to fully replace the aircraft paper technical log, cabin log, journey log and fuelling logs on its fleet of 15 Boeing 787 Dreamliners. Upon implementation, Norse Atlantic's flight crews will operate ULTRAMAIN ELB iOS version on iPads. This transition from paper to digital line maintenance operations marks a significant step forward for Norse Atlantic. Real-time flight and cabin crew reports, selected from ULTRAMAIN ELB's on-device B787-tailored fault repository, will enable enhanced planning and defect clearance. This will lead to lower deferral rates, increased operational service levels and lower maintenance costs across its Dreamliner fleet. "Going paperless has been a goal for Norse Atlantic's technical department since our start up, as it will help streamline our operations, improve cost efficiency and contribute to our sustainability goals. Choosing Ultramain represents a significant milestone in realising our paperless vision," expressed Ahmad Abu Nima, VP Technical Operations at Norse Atlantic Airways. Ultramain Systems is dedicated to providing customers worldwide with simple, mobile, paperless aviation maintenance software products and professional services. ULTRAMAIN ELB – an electronic logbook software is approved for paperless by regulatory authorities worldwide. ULTRAMAIN ELB and eLine Checks operate on mobile or installed devices providing real-time integration with airline and MRO systems.



Norse Atlantic will fully replace the aircraft paper technical log, cabin log, journey log and fuelling logs with ULTRAMAIN ELB
© Ultramain Systems



© Shutterstock

Acumen, leveraging its profound domain knowledge, seamlessly interpreted and understood SAEL's requirements, enabling the delivery of tailored solutions in an expedited manner. This efficiency was further enhanced by SPARTA's open-source, modern technology architecture and a seasoned product development team. SPARTA, operating as a cloud-based integrated platform, is meticulously designed with a comprehensive understanding of aircraft asset management. It offers clients a seamless, connected, and intuitive means of organizing and controlling a vast array of data throughout the complete life cycle of multiple assets.

SMBC Aero Engine Lease (SAEL) has opted for **Acumen's** SPARTA records data room, a centralised and secure online records management system (RMS) designed for the digitised storage, retrieval and collaboration of aircraft engine records. This choice aims to support SAEL's extensive engine portfolio and future growth needs, making it the inaugural customer for SPARTA's innovative continued airworthiness management module (CMM). SAEL specifically chose SPARTA's project management technical module, alongside its RMS, as an exclusive unified platform for planning, executing and scheduling fleet-wide inspection programmes. The platform also facilitates the management of open item lists, inspections, re-deliveries, shop visit reports and the secure filing and storage of digitised records. In addition to these features, SAEL benefits from SPARTA's continued airworthiness management module (CMM), incorporating track and trace functionalities for airworthiness directives (ADs) and service bulletins (SBs), along with customised asset configuration.

OTHER NEWS

Collins Aerospace has been selected by **Air India** for a full suite of avionics hardware catering to the airline's expanding Boeing 737 MAX fleet. The deal was announced at the Singapore Airshow 2024. The comprehensive package includes communication, navigation, surveillance equipment and air data sensors, designed to enhance safety, fuel efficiency and operational performance of Air India's fleet. Collins' suite of advanced avionics will work in harmony to improve operations through every phase of flight on Air India's MAX aircraft. Multi-mode receivers enable precision satellite and ground-based navigation, facilitating high position accuracy, improved integrity and future upgrades through a simple software update. Collins' radio altimeters provide accurate digital height measurements during crucial approach, landing and climb-out phases, while actively filtering and mitigating any potential 5G cellular interference. Air India will also receive Collins' MultiScan ThreatTrack™ weather radar, which predicts adverse weather conditions and actively displays and analyses cells – providing real-time route adjustments, reducing long deviations and delays and ensuring passengers enjoy a smoother journey.



Representatives of Collins Aerospace and Air India at the Singapore Airshow
© Collins Aerospace

OTHER NEWS

Southwest Airlines has launched **Southwest Airlines Renewable Ventures** (SARV), a wholly-owned subsidiary of Southwest Airlines®, dedicated to creating more opportunities for Southwest to obtain scalable sustainable aviation fuel (SAF), a critical component in the success of the carrier's goal to replace 10% of its total jet fuel consumption with SAF by 2030. The carrier has also announced a US\$30 million investment in LanzaJet, a SAF technology provider and producer with a patented ethanol-to-SAF technology and the world's first ethanol-to-SAF commercial plant, as part of the SARV investment portfolio. "Our launch of SARV and our investment in LanzaJet demonstrate that we are not sitting on the sidelines. Rather, we're in the game by taking pro-active, disciplined steps toward securing affordable SAF for Southwest, as we continue to march toward our goal of net-zero by 2050," said Bob Jordan, President & CEO of Southwest Airlines. "We look forward to working with companies and organisations developing important technology, like LanzaJet, which could help us meet our SAF goals." Southwest will continue to work with SAF producers to enter into SAF off-take agreements, while SARV will focus on managing Southwest's SAF-related investments, including the carrier's previously announced equity investment in SAFIRE Renewables (SAFiRE). SAFiRE has been working with the U.S. Department of Energy's National Renewable Energy Laboratory (NREL) and has a license agreement and certain exclusivity rights to this technology for the production of cellulosic ethanol. This technology is an important component in converting corn stover, a widely available agricultural residue feedstock in the U.S., to cellulosic ethanol that can then be converted to SAF using LanzaJet's technology. Additionally, as part of its agreement with Southwest, LanzaJet intends to build an ethanol-to-SAF facility to produce SAF primarily for Southwest. The planned facility includes capabilities to convert SAFiRE's cellulosic ethanol into SAF, which can produce greater quantities of SAF from SAFiRE ethanol over time.

The **International Air Transport Association** (IATA) has unveiled its 2023 annual safety report, revealing significant advancements in global aviation safety. Notably, the year marked "best-ever" results for various parameters. In 2023, there were no hull losses or fatal accidents involving passenger jet aircraft. However, a single fatal accident occurred with a turboprop aircraft, resulting in 72 fatalities. The total number of aircraft movements, including jets and turboprops, reached 37 million in 2023, reflecting a 17% increase from the previous year. Key highlights from the report include an all accident rate in 2023, which was 0.80 per million sectors, showcasing improvement from



United Airlines will add 12 advanced full-motion flight simulators to the new building at the Denver Flight Training Centre
© United Airlines

United Airlines (United) has significantly expanded its Flight Training Centre in Denver, unveiling a new 150,000 ft² building. This addition enables the incorporation of 12 advanced full-motion flight simulators, with six already operational. In 2024, United has hired over 300 pilots, building on the recruitment of more than 2,300 pilots in the previous year. The expanded facility, now encompassing eight buildings and over 700,000 ft² of training space, supports

United's 16,000 pilots. The investment aligns with United Next, the airline's strategic plan, emphasising continued advancements in personnel, infrastructure and technology. Located in Denver's Central Park neighbourhood, the 23-acre facility remains the exclusive training hub for nearly 16,000 active and newly hired United pilots, ensuring rigorous simulator training to maintain certification. United Airlines committed over US\$145 million to the construction of the new facility, anticipating the creation of more than 370 new jobs. Presently, over 1,600 of United's Denver-based workforce, among its 10,000+ employees, operate from the Flight Training Centre. These employees span 24 different departments, undertaking diverse roles such as flight instructing, flight evaluating, scheduling, pilot hiring, human resources and flight standards. Originally established as part of the Stapleton Airport complex between 1966-68, United's Flight Training Centre has been the primary pilot training facility for the airline. Since 2016, United has invested a total of US\$370 million in the continuous enhancement of the Flight Training Centre. (£1.00 = US\$1.27 at time of publication).

Etihad Cargo, the logistics arm of **Etihad Airways**, has forged a strategic partnership with **Worldwide Flight Services** (WFS), a member of the **SATS Group**. This three-year global agreement covers cargo handling services at 12 major international airports spanning Europe, Scandinavia, North America, India and Asia Pacific. The collaboration, extending over 150,000 tonnes



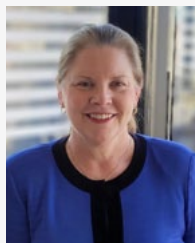
Etihad Cargo and WFS have signed a cargo handling services contract for 12 major international airports
© Etihad Cargo

of cargo annually, includes key airports such as Amsterdam, Bangkok, Barcelona, Bengaluru, Copenhagen, Frankfurt, London Heathrow, Madrid, and Paris CDG in the EMEA region. In North America, it encompasses existing operations in New York JFK and Washington Dulles, with additional awards for Boston and Chicago. Positioned at the crossroads of major trade routes, Etihad Cargo, headquartered in Abu Dhabi, connects vital cargo markets worldwide through its hub. With cargo capacity on both passenger and freighter aircraft, as well as an extensive trucking network, Etihad Cargo serves Africa, America, Asia, Australia, Europe, and the Middle East. Established in 2004, Etihad Cargo has rapidly become a leading global air cargo carrier, offering a diverse range of cargo products and services to five continents. Beyond general cargo, the airline specializes in live animals, dangerous goods, valuables, personal effects, and cold chain products for pharmaceuticals and perishables. Having been a cargo handling partner since their initial agreement in Frankfurt in 2005, Etihad and WFS reaffirm their commitment to delivering high-quality air cargo solutions globally. Thomas Schürmann, Head of Cargo Operations and Delivery at Etihad Cargo, highlighted the shared dedication to excellence, ensuring confidence in meeting air cargo needs worldwide.

OTHER NEWS

1.30 in 2022 and marking the lowest rate in over a decade. This rate surpassed the five-year rolling average (2019-2023) of 1.19. The fatality risk in 2023 improved to 0.03, compared to 0.11 in 2022 and the five-year average of 0.11. This level of safety implies that, on average, a person would have to travel by air every day for 103,239 years to experience a fatal accident. IATA member airlines and IATA operational safety audit (IOSA) registered airlines reported no fatal accidents in 2023. Despite a single fatal accident in 2023 involving a turboprop aircraft, resulting in 72 fatalities, this represents a reduction from five fatal accidents in 2022 and an improvement on the five-year average (2019-2023) of five. Willie Walsh, IATA's Director General, emphasised, "2023 safety performance continues to demonstrate that flying is the safest mode of transport. Aviation places its highest priority on safety, as evident in the 2023 performance. While jet operations saw no hull losses or fatalities, the single fatal turboprop accident with 72 fatalities reminds us that safety must never be taken for granted. Recent accidents in early 2024 further highlight the ongoing need for improvement, reinforcing our commitment to making flying ever safer throughout our history."

INDUSTRY PEOPLE



Jane P. Chappell

• Spirit AeroSystems Holdings has released that **Jane P. Chappell** will join the company's Board of Directors, effective February 26, 2024. She will serve on the Corporate Governance and Nominating Committee and the Risk Committee. Chappell has more than four-decades of experience, 17 years at the executive level, providing operational and strategic leadership in the defence industry. Chappell serves as CEO of Altamira Technologies, a national security company in the defence and intelligence sectors. She is on the Board of Advisors for Lone Star Analysis. Before Altamira, Chappell was with RTX Corporation (formerly Raytheon) for 36 years. Her service at RTX Corporation culminated with her role as Vice President of GeoSpatial Intelligence Solutions from 2015 to 2019. She partnered with customers and industry teammates in this position to shape markets and drive growth in the intelligence, commercial, and international space ground business.



Jon Downey

• EBCO Aviation Insurance (EBCO), a wholly owned subsidiary of TITAN Aviation Fuels, has named **Jon Downey** as Chief Executive Officer (CEO). Downey is an experienced leader in the aviation insurance industry. He served as Vice President for United States Aviation Underwriters Inc., a role that progressed into Senior Vice President of Operations and Head of US Aviation for Allianz. Prior to being named CEO at EBCO, he was President and Managing Director of Assured Partners Aerospace. Downey holds a Bachelor of Science degree in Aviation Maintenance Management and an Associate of Science degree in Aviation Business Administration, both from Embry-Riddle Aeronautical University. He also holds a Private Pilot Certificate, SEL, LTA and an airframe and powerplant mechanic's license. **Terry Britt** (Atlanta) and **Rob Burchard** (Greensboro) will continue to lead EBCO as presidents of the retail and wholesale divisions. Together the EBCO leadership team has over 100 years of aviation insurance experience. EBCO provides complete coverage for all types of aviation insurance needs. From fixed-base operators, flight schools, flight departments, private pilots and beyond, EBCO's mission is to build lasting relationships. The EBCO team includes pilots, former FBO managers and aviation leaders, giving them a distinct understanding of a unique industry.



Alberto Muñoz-Domper

• Crisalio Mobility has appointed **Alberto Muñoz-Domper** as its new Chief Financial Officer (CFO). With more than two decades' experience in the financial sector, Muñoz-Domper's invaluable strategic expertise will be crucial to Crisalio Mobility's future growth. His outstanding performance as CFO at other sector companies evidences his ability to deliver robust, pro-active financial management, which will ensure Crisalio Mobility is well-positioned to achieve its corporate objectives. Muñoz-Domper will be heading up Crisalio Mobility's financial strategy as the company seeks to cement its footprint in the regions where it operates.

He will play a key role in ensuring workflow continuity and optimising the exponential investment the company is set to roll out over the years ahead. Before joining Crisalio Mobility, Muñoz held prominent roles at companies including ThyssenKrupp, Rentokil and Uran, as well as co-founding the consultancy INCOFIS, which provides services for Gofluent, Safeguard Global Spain, Gas & Go Global Services and Dillers, among others. He has a Business Degree from Madrid's Universidad Complutense and has completed the Senior Management Program (SMP) run by IE Business School Executive Education.

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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) CF34-10E5	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) CF34-3A	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

CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CF6-80E1A4/B	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CFM56-5B3/3	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiaaviation.com	+1 786-785-0777
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-5B3/P	Now - Lease				
(1) CFM56-5B1/P	Now - Lease				
(1) CFM56-7B26	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/Lease/Exch.	AeroDirect	Steve Berner	sberner@aerodirect.com	+1 708-207-5348
(1) CFM56-5B2/P	Now - Sale/Lease/Exch.				
(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/P	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
PW1100G Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW1133G-JM	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) 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.				
(1) Trent 772B-60	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) V2527-A5	Now - 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	Steve Berner	sberner@aerodirect.com	+1 708-207-5348
(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@ftaaviation.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,	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
(2) A340 LG Shipset		GA Telesis		landinggearsales@gatelesis.com	
(3) 767 LG Shipset					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
(1) GTCP331-200, (1) 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) 131-9A, (2) 131-9B (Max compliant), (1) APS2300		GA Telesis		apu@gatelesis.com	+1-954-849-3509
(3) 131-9B, (1) 331-200, (2) 331-350, (1) 331-600					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000				stands@gatelesis.com	+1-954-676-3111
(2) 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