



# **Weekly Aviation Headline News**

#### **WORLD NEWS**

#### Air Astana continues to rebuild network

AVITRADER publications

Air Astana Group experienced strong passenger growth in 2022, with 3.9 million passengers carried during the first seven months of the year, which represents a 9% increase over the same period in 2021. The network continued to expand with the resumption of flights to destinations including London and Istanbul, together with the launch of new services to Greece. In the coming months, frequencies to Dubai, Delhi and Phuket will be significantly increased and services to Bangkok will be resumed, which represents a significant step in re-building the Asian network.

#### WFS adds cargo capacity at **Heathrow**

Worldwide Flight Services (WFS) has increased its facility footprint at London's Heathrow Airport after a 30% growth in volumes in the past year. WFS has signed a five-year lease on Building 578 in the airport's cargo area, boosting its warehouse and office space by a further 27,000 sq. ft. The additional building, due to commence operations in October, features eight landside doors for cargo deliveries and collections, and a 20-foot truck dock.

#### **Canada Jetlines receives AOC**

Canada Jetlines the new, all-Canadian, leisure airline, has received its air operating certificate (AOC) from Transport Canada, granting approval to initiate operations out of its travel hub at Toronto Pearson International Airport (YYZ). Securing the AOC confirms that Canada Jetlines has all required professional capabilities and adheres to all safety regulations needed for aircraft operations. "The entire team at Canada Jetlines is thrilled to obtain our AOC after meeting all necessary operation standards and passing all inspections," shared Eddy Doyle, CEO of Canada Jetlines.



IFC service providers continued to equip aircraft.

Photo: Singapore Airlines

### In-flight connectivity market bounces back

And set to double in coming decade

In-flight connectivity (IFC) entertainment services across global airlines delivered unexpected revenue growth in 2021 as service providers emerged from a tumultuous financial period precipitated by the global pandemic.

Analysis by leading space consulting and market intelligence firm Euroconsult shows a 10% increase in the number of commercial aircraft connected to in-flight services compared to 2020, totalling 9,900 planes by the end of 2021. Within the next decade, the number of aircraft using such services is expected to double to more than 21,000.

In its latest industry analysis 'Prospects for In-Flight Entertain-ment & Connectivity' Euroconsult says a strong year-on-year performance for 2021 contrasts with previous uncertainties in the aviation industry and its supply chain, one of the most seriously affected by the COVID-19 pandemic.

Data in the report reveals IFC service providers continued to equip aircraft through 2021 and, while not returning to pre-2019 levels, in-flight connectivity showed strong signs of uptake in the year with 120 commercial airlines offering inflight connectivity to passengers with a total bandwidth capacity consumption rising to an unprecedented 24 gigabytes per second.

The pandemic acted as a catalyst for a series of service provider mergers and acquisitions, with more expected in the coming years. As a result, providers emerged from a turbulent period of financial restructuring in a favourable position to pursue new contracts, with as many as two dozen signed by the end of 2021 involving the equipping of a combined total of 1,500 aircraft. Overall, the report anticipates a positive trend up to 2031, because of a convergence of

rising consumer demand and increasingly greater bandwidth availability. For airlines, the drawn-out resumption of longhaul flights, the return to service of the Boeing 737 Max and the diversification of service providers will all contribute to increased IFC consumption.

Service providers will, however, have to contend with evolving technologies that are likely to drive down capacity pricing. The adoption of competing satellite constellation architectures, expected to significantly advance post-2025, will lead to an upsurge in bandwidth availability as satellite operators switch to new generation satellites. However, the availability of new capacity, combined with increases in bandwidth demand as the airline industry returns to normalcy, could lead to bandwidth congestion in heavy air traffic regions like the North Atlantic Ocean.

#### **AIRCRAFT & ENGINE NEWS**

# ORIX Aviation delivers package of 12 B737 MAX 8 aircraft to Sky Leasing

ORIX Aviation has successfully concluded the sale and delivery of a package of twelve B737 MAX 8 (powered by LEAP 1B engines) on behalf of the secured financiers of the aircraft to funds managed by Sky Leasing. Since early 2021 ORIX Aviation has managed all twelve aircraft, overseeing their return from five different locations throughout Europe, ensuring appropriate maintenance and storage while the re-marketing process was carried out. All twelve aircraft were previously operated by Norwegian Air Shuttle.

#### Malaysia Airlines to acquire 20 A330neos for wide-body fleet renewal

Malaysia Aviation Group (MAG), parent company of Malaysia Airlines, has selected the Airbus A330neo for the carrier's wide-body fleet renewal programme. The initial agreements cover the acquisition of 20 A330-900 aircraft, with ten aircraft to be purchased from Airbus and ten to be leased from Dublin-based Avolon. The announcement was made at an event in Kuala Lumpur, attended by MAG CEO Izham Ismail and Airbus Chief Commercial Officer and Head of Airbus Group International Christian Scherer, who signed a Memoran-



Malaysian Airlines has selected the A330neo aircraft for its wide-body fleet renewal programme Photo: Airbus

dum of Understanding (MOU) for the aircraft to be ordered from Airbus. The agreements with engine manufacturer Rolls-Royce and Avolon were also signed at the ceremony. Powered by the latest Rolls-Royce Trent 7000 engines, the A330neo will join the carrier's fleet of six long-range A350-900s and gradually replace its 21 A330ceo aircraft. The carrier will operate the A330neo on its network covering Asia, the Pacific and the Middle East. Malaysia Airlines will configure its A330neo fleet with a premium layout seating 300 passengers in two classes.

#### Qantas Freight to increase domestic fleet with six Airbus A321 aircraft

Qantas Freight will increase its domestic fleet with six Airbus A321 aircraft to meet growing e-commerce demand from its customers. Since the onset of COVID-19, the national carrier's freight division has seen a step change in cargo volumes driven partly by a structural shift to online shopping. The six A321 freighters, which are expected to progressively arrive between early calendar year 2024 and mid-2026, will replace the long-term fleet of five Boeing 737 freighters that are approaching the end of their economic life. Each A321 freighter can carry 23 tonnes of cargo, nine tonnes more than the older 737s, and are around 30% more fuel efficient per tonne of freight carried. The aircraft will be sourced on the open market and converted from carrying passengers to cargo, subject to commercial negotiations. The model designation is A321P2F, P2F stands for 'Passenger to Freighter'. This conversion work will include removing seats and the installation of a cargo handling system. Qantas currently has three A321P2Fs and replacing the remaining 737 freighters with these newer aircraft will simplify Qantas Freight's fleet, bringing extra efficiency in training and maintenance. Customers are expected to benefit from increased reliability, network flexibility and a net increase in Qantas' freight carrying capacity. Qantas is also converting two wide-body A330s to freighters, one of which will be used on the domestic network and will continue to supplement its fleet with wet-leased aircraft.



Photo: Qantas



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#### **AIRCRAFT & ENGINE NEWS**

#### ALC places 19 new Airbus aircraft on lease to Condor



Condor will lease 19 new Airbus aircraft from ALC

Photo: AirTeamImages

Air Lease Corporation (ALC) has announced longterm lease placements for 19 new Airbus aircraft with Condor (Germany), including 17 Airbus A321neos and two A320neos. The new aircraft are scheduled to deliver to the airline starting in early 2024 through mid-2027 from ALC's order book with Airbus. ALC currently leases five aircraft to Condor, including three A321s and two A320s. "This significant lease placement for 19 Airbus new-generation aircraft continues ALC's excellent relationship with Condor, one of our key German airline customers," said Steven Udvar-Házy, Executive Chairman of Air Lease Corporation. "The A321neo and A320neo are fundamental to Condor's fleet operations and to maintain the airline's highly competitive position in the European market."

#### DHL Express and Singapore Airlines partnership takes off with new B777 freighter

DHL Express has welcomed the arrival of its new Boeing 777 freighter at Singapore Changi Airport. The freighter, which sports a dual DHL-Singapore Airlines (SIA) livery, has a maximum capacity of 102 tonnes. SIA will operate it on routes to the United States of America via South Korea thrice weekly from August 2022. In March 2022, DHL Express and SIA signed a crew and maintenance agreement to deploy five Boeing 777 freighters. These freighters will be operated by SIA pilots, with the maintenance overseen by SIA. The second Boeing 777 freighter is slated to enter into service in November 2022, with both freighters to operate the Singapore-Incheon-Los Angeles-Honolulu-Singapore route six-times weekly. The remaining three freighters are planned for delivery throughout 2023. Following this, all five freighters will operate on routes between the United States and Singapore via points in North Asia and Australia.



DHL Express and Singapore Airlines are celebrating their new partnership with the arrival of the new Boeing 777 freighter *Photo: Singapore Airlines* 

#### Stratos delivers pair of Boeing 737-800 aircraft to Air Europa



Air Europa has taken delivery of two Boeing 737-800 aircraft from Stratos

Photo: AirTeamImages

Stratos has delivered two Boeing 737-800 aircraft on long-term operating lease to Mallorca-based Air Europa as the airline takes off towards a new stage of growth with a significant fleet expansion. The aircraft (MSNs 39866 and 39858) are part of the Stratos securitised portfolio JOL Air 2019-1 and underwent substantial cabin and avionic modification works after being returned from Malindo Air, Malaysia. Air Europa commented: "The addition of these new aircraft to our fleet allows us to continue to face both the summer and the second half of the year with maximum guarantees. We continue to increase our supply of seats in response to the increase in demand, which has allowed us to reactivate our routes and to raise the frequency of flights".

#### **AIRCRAFT & ENGINE NEWS**

#### Music to Boom Supersonic's ears as American Airlines orders 20 Overture aircraft



The Overture jet is expected to roll out in 2025 and fly its first passengers by 2029

Photo: American Airlines

Boom Supersonic and American Airlines have jointly announced that the American carrier has confirmed an order for 20 of Boom Supersonic's aircraft with the payment of a non-refundable deposit, plus an option for an additional 40 of the supersonic jets. The Overture, which is scheduled to roll out in 2025 and fly its first passengers by 2029, will have a capacity for between 65 and 80 passengers and be capable of flying at Mach 1.7 with a range of 4,250 nautical miles. Under the terms of the agreement, Boom must meet industry-standard operating, performance and safety requirements as well as American's other customary conditions before delivery of any Overture jets. The Overture has been designed to operate on over 600 global routes at twice the speed of current commercial jets. As an example, the Overture will be able to fly from Miami to London in just under five hours and Los Angeles to

Honolulu in three hours. The Overture is designed to run on 100% sustainable aviation fuel (SAF) and orders, including purchases and options from American Airlines, United Airlines and Japan Airlines, stands at 130 aircraft.



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#### **MRO & PRODUCTION NEWS**

# Aspire MRO launches new wide-body conversion and maintenance services programme

Aspire MRO has announced the launch of its wide-body MRO and passenger-to-freighter (P2F) conversion services. Founded by experienced MRO executives, Aspire will operate six bays available for wide-body heavy maintenance and B777 passenger-tofreighter conversions at the former American Airlines maintenance facility located at Fort Worth Alliance Airport in Fort Worth, Texas. The company is backed by investment funds managed by affiliates of Fortress Investment Group. With a highly experienced leadership team, a dedicated 840,000 ft<sup>2</sup> state-of theart facility and an exceptionally skilled labour force in place, Aspire is positioned to become a world-class leading heavy maintenance and P2F provider for both domestic and international operators. The Company has secured a substantial long-term multi-year contract to perform P2F conversions and MRO-related work for Mammoth Freighters and maintains ample additional capacity to support operators around the globe seeking to meet the ever-increasing demand for nextgeneration P2F conversions. Aspire expects the Alliance Airport facility to become a longterm hub for aircraft maintenance, bringing significant job creation to the Fort Worth area.

## ST Engineering to set-up test cell capability for LEAP-1B engine

ST Engineering has released that its Commercial Aerospace business will expand its MRO solutions for the LEAP-1B engine with test cell support, which is expected to be ready by end-2023. The expansion into LEAP-1B test cell capability follows the setting up of quick-turn services for the engine in February this year and the receipt of approval from EASA, FAA and CAAC. ST Engineering will work with testing and technology development solutions provider, Calspan Aero System Engineering (Calspan ASE), in setting up LEAP-1B test cell capability at its engine MRO facility in Singapore. This LEAP-1B test cell will be the first in Asia-Pacific to implement Calspan ASE's latest technologies found in its upgraded data acquisition control system and proprietary software, ASE2000LX Version 8. The host of digital tools to be introduced by ST Engineering will enhance the efficiency and performance of aero-engine test cells through automated engine monitoring, process repeatability and data analytics.

#### **AIRCRAFT & ENGINE NEWS**

## VAS Aero Services acquires four Airbus A330-300 airframes and 11 PW4168 engines from American Airlines



American Airlines Airbus A330-300

Photo: AirTeamImages

VAS Aero Services, a global leader in aviation logistics and aftermarket services, has acquired four Airbus A330-300 airframes and 11 Pratt & Whitney PW4168 engines from Fort Worth, TX-based American Airlines (American). The four Airbus A330-300 wide-body aircraft were retired from American's fleet in 2020. Adding to the breadth and depth of VAS' already significant aftermarket parts inventory, the airframes will be allocated for teardown and the surplus parts distributed through VAS' worldwide airline operator customer base. The Pratt & Whitney PW4168 engines will be placed with VAS' aftermarket services partner, SR Technics, for engine lease pool support and ultimately disassembled to increase their used serviceable material (USM) availability. The addition of the PW engines further strengthens VAS' supply programme with SR Technics and offers major end users favourable green-time leasing options and vital USM solutions.

#### Beechcraft King Air 260 aircraft joins U.S. Forest Service's aviation fleet



Beechcraft King Air 260 for the U.S. Forest Service wildfire mapping mission

Photo: Textron Aviation

Textron Aviation has delivered two Beechcraft King Air 260 aircraft to the U.S. Forest Service. The aircraft will perform wildfire mapping missions. The King Air 260 aircraft have been modified for the installation of the latest infrared (IR) sensing technology, the Overwatch Imaging TK-9 Earthwatch Airborne Sensor, along with legacy U.S. Forest Service sensors, that can accurately map wildfires, even at night and through smoke. This information is critical for firefighters to have when the exact extent of a fire is not known due to darkness, smoke, size of the fire, rapid spread, or complex terrain. IR mapping aircraft can also be used to detect new fires started by lightning when they are very small.



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#### **MRO & PRODUCTION NEWS**

# Northrop and Boeing to join White House-backed Additive Manufacturing Forward programme

In an effort to help smaller U.S.-based suppliers up their use of 3-D printing and other advanced manufacturing technologies, the White House under President Biden has got behind the Additive Manufacturing Forward (AM Forward) programme. The voluntary programme has been designed to boost the use of additive manufacturing by suppliers. Focusing heavily on 3-D printing, the intention is to enable current technology to build complex shapes in layers using either plastic or metal particles. The Additive Manufacturing Forward (AM Forward) programme has been organised by non-profit Applied Science & Technology Research Organization of America (ASTRO America). "The supply chain crisis isn't just about building out ports. It's about building up parts-right here in America's small business factories," said ASTRO America's CEO, Neal Orringer. GE Aviation, Siemens Energy, Raytheon Technologies, Honeywell and Lockheed Martin were the first companies to engage with the programme. The manufacturers say they will purchase additively produced parts from smaller U.S. suppliers; train supplier workers on new additive technologies; provide technical assistance and engage in standards development and certification. It is anticipated that such technologies could reduce part lead times and materials' cost by 90%, and also reduce energy use by 50%. The White House says insufficient American companies are currently using 3-D printing or other high-performance advanced manufacturing technologies and according to Reuters news agency, the Biden administration feels that these technologies could be rolled out into the automotive and semi-conductor sectors.

## CargoAir places order for fourth AEI B737-800SF freighter conversion

Aeronautical Engineers (AEI) has reported that Bulgaria-based CargoAir has ordered its fourth AEI B737-800SF freighter conversion. The aircraft, (MSN 30883) is slated to commence modification at the end of October 2022. All conversion-related touch labour will be performed by the authorised AEI conversion centre, Commercial Jet in Miami, Florida. Upon completion of this order, CargoAir will operate a total of 15 AEI freighters, including a mix of B737-300SF, B737-400SF and B737-800SF freighters.

#### **MRO & PRODUCTION NEWS**

#### Lufthansa Technik delivers second Airbus A321LR to German Air Force



Handover of the second Airbus A321LR to the German Air Force

Photo: Lufthansa Technik

Following the ceremonial handover of the first aircraft in June at ILA Berlin, Lufthansa Technik AG has delivered the second Airbus A321LR (long range) to the German Air Force with a transfer flight from Hamburg to Cologne-Bonn. Like its sister aircraft already in service with the tactical registration 15+10, the new 15+11 will now also be available to the German Air Force for troop transport and parliamentary flight operations on short-, medium- and long-haul routes. The respective capacity of each of the two aircraft in this configuration is 136 passengers. In the coming year, however, both A321LRs will return to Lufthansa Technik to be modified and certified for MedEvac (Medical Evacuation) duties in the second phase of the project. This will expand the aircraft's range of operations to include capabilities for the qualified air transport of wounded, injured and diseased passengers. In this context, three different configurations will be available to transport up to six intensive care patients or up to 12 mildly or moderately ill/injured patients. To this end, Lufthansa Technik will deliver a total of 12-units and two reserve units of the Patient Transport Unit New Generation (German: Patiententransporteinheit Neuer Generation, short: PTE NG) to the German armed forces. The company has already been able to complete various preliminary works for the MedEvac mission, for example for the oxygen supply on board the two aircraft, during the first phase of the project.

#### JetSMART's new A321neo comes equipped with Recaro's launch of SL3710 seating

As part of a larger Indigo Partners' deal agreed back in 2020, JetSMART's brand new Airbus A321neo aircraft took to the skies on August 15, the first aircraft to fly with 240 pax of the latest in Recaro's economy-class seating designs, the SL3710. Over the next five years, 11,000 of the seats will be installed on JetSMART aircraft. The modular SL3710 economy-class seat



The SL3710 seat from Recaro Aircraft Seating

Photo: Recaro

has a weight of approximately eight kilograms, which helps to minimise operational costs while also supporting JetSMART's sustainability goals. Created specifically for short-haul flights, the slim, ergonomic design of the seat optimises passenger space while still maintaining a high degree of comfort. The seat is ultralight and uses recycled leather, meeting Jetsmart's requirements for its ultra-low-cost model and desire for sustainability. Chile-based JetSMART was founded in 2017 initially as a domestic airline but has expanded into the South American market and now flies 43 routes to 25 destinations in six countries across the continent.



#### FINANCIAL NEWS

#### CAE reports first-quarter fiscal 2023 results

CAE has reported revenue of CA\$933.3 million for the first quarter of fiscal 2023, compared to CA\$752.7 million in the first quarter last year. First-quarter net income attributable to equity holders was CA\$1.7 million compared to CA\$46.4 million last year. Adjusted net income in the first quarter of fiscal 2023 was CA\$17.6 million compared to CA\$55.6 million last year. Operating income this quarter was CA\$39.4 million (4.2% of revenue), compared to CA\$86.2 million (11.5% of revenue) last year. First-quarter adjusted segment operating income was CA\$60.9 million (6.5% of revenue) compared to CA\$98.4 million (13.1% of revenue) last year. Adjusted segment operating income excluding COVID-19 government support programmes, of which there have been none since the first quarter of fiscal 2022, was also CA\$60.9 million (6.5% of revenue) compared to CA\$84.8 million (11.3% of revenue) last year. Adjusted segment operating income this quarter included CA\$28.9 million in unfavourable contract profit adjustments in defence, involving two programmes in the U.S. £1.00 = CA\$1.55 at time of publication).

#### HEICO Corp. acquires leading aircraft antenna company Sensor Systems

HEICO Corporation has released that its Electronic Technologies Group has acquired all of the stock of Sensor Systems, Inc. (Sensor) for a combination of cash and approximately 575,000 HEICO Class A Common Shares. Further financial details were not disclosed. HEICO stated that it expects the acquisition to be accretive to its

#### MRO & PRODUCTION NEWS

#### AJW Group expands power-by-the-hour contract with Air Transat



AJW Group has signed a new PBH support contract with Canadian

AJW Group, an independent aircraft component parts, repair and supply chain solutions provider, has signed a new power-by-the-hour (PBH) support contract with Canadian airline, Air Transat. The support contract will see the business use its industry-leading expertise to manage the complete supply, repair, overhaul and warranty of major components for the operator's expanding fleet of Airbus A321neo and ceo aircraft at Air Transat's primary base of operations in Montreal, Quebec as well as from bases in Toronto and

Vancouver. AJW Group has supported Air Transat with PBH service contracts for nearly ten years, originally for its Airbus A330 fleet.

#### Britten-Norman works with Garmin to bring engine electronic flight instrumentation to Islander turbine range

UK aircraft manufacturer, Britten-Norman, is working with avionics technology company Garmin to develop the TXi Engine Indication System (EIS) for its Islander turboprops. The development and distribution agreement signed between the parties is for creating a CAA-approved supplemental type certificate applicable to both new and retrofit turboprop aircraft that will complement the existing STC for the piston variants. The TXi EIS includes many innovative safety features such as engine timers, exceedance recordings, dynamic engine indications and wireless data log-



Photo: Britten-Norman BN2T Islander with Garmin TXi EIS

ging to reduce pilot workload, improve engine efficiency and reduce maintenance costs. The first installation will be this August, with a worldwide rollout following within six months.



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#### FINANCIAL NEWS

earnings in the year following the acquisition. Chatsworth, CA-based Sensor is one of the world's leading designers and manufacturers of airborne antennae for commercial and military applications. Recognised as an international standard for many of its antennae, Sensor's products include, among others, Aircraft Direction Finding (DF), Altimeter, Glideslope, Global Positioning System (GPS), L-Band, Marker Beacon, satellite communications, Total Collision Avoidance System (TCAS), Very High-Frequency (VHF) and Very-High-Frequency Omni-directional Range (VOR) antennae. Sensor's antennae are found on nearly all large commercial transport aircraft built in the last 50 years, along with numerous business and military aircraft.

## BOC Aviation posts net loss of US\$313 million for first-half 2022

BOC Aviation has reported that total revenues and other income in the first half of 2022 increased 8% to US\$1,196 million compared with the first half of 2021. Operating cash flow net of interest increased 29% to US\$717 million compared with the first half of 2021. The company posted a net loss after tax of US\$313 million, compared with a net profit after tax of US\$254 million in the first half of 2021. This included write-downs of US\$804 million related to the net book value of aircraft remaining in Russia partially offset by US\$223 million of cash collateral held by the group in respect of those aircraft and US\$63 million of tax credit, resulting in an after-tax impact of US\$518 million. Total assets decreased 4% to US\$22.8 billion as of June 30, 2022, compared with December 31, 2021, primarily on account of the write-down of the net book value of aircraft remaining in Russia. The company maintained strong liquidity with US\$454 million in cash and short-term deposits in addition to US\$5.5 billion in undrawn committed credit facilities as of June 30, 2022. (£1.00 = US\$1.19 at time of publication).

## SAS secures US\$700 million in fresh financing

Scandinavian Airlines (SAS) has confirmed that it has entered into an agreement with Apollo Global Management to raise US\$700 million which it hopes will enable the stricken carrier to complete its restructuring process under Chapter 11 bankruptcy protection in the U.S. The news comes hot on the heels of an announcement that Norwegian, Danish and Swedish pilots have agreed to accept a collective bargaining agreement which has guaranteed there will be no further strike action taken. The recent 15-day strike by pilots had cost the

#### FINANCIAL NEWS

#### US\$500 million recapitalisation of CHC Helicopter completed



Photo: CHC Helicopter

CHC Group LLC (CHC) has announced that through a comprehensive US\$500 million recapitalisation, subject to regulatory approvals, it will now be able to significantly reduce its funded debt obligations. The global rotary wing aviation company specialises in providing transportation services to offshore oil and gas platforms, civilian search and rescue and air medical evacuation services and helicopter maintenance repair and overhaul services. As part of the recapitalization, a substantial portion of CHC's existing debt and equity holders agreed to provide over US\$100 million in new money and liquidity enhancing commitments, consisting of US\$60 million in an initial funding, an additional US\$30 million of available commitments and US\$10 million from adjustments to its aircraft financing facilities. The recapitalisation represents the outcome of extensive negotiations with CHC's key financial stakeholders. CHC is confident that this transaction will provide the liquidity and sustainable long-term capital structure needed so that it can focus its efforts on continued operational excellence. CHC's global reach extends, for example, from operating the marine search and rescue for the Irish Coastguard at Shannon, Waterford, Sligo and Dublin airports to providing helicopter services in Australia for the Fire and Emergency Services Authority of Western Australia, Victoria Police and the Ambulance Service of New South Wales. (£1.00 = US\$1.19 at time of publication)

#### INFORMATION TECHNOLOGY



New start-up airline Akasa Air goes live with AMOS

Photo: Swiss AS

When Akasa Air, the new start-up airline in India, was searching the market for an MRO software solution that would meet its requirements, the airline had two major criteria to be considered: the start of commercial operation was planned for summer 2022 and the new software needed to support the airworthiness management of the fleet. The start-up has 72 Boeing 737 MAX aircraft on order and plans to have completed the inductions of the ordered aircraft by 2027, being the reason why the desired software must be scalable and capable to support fleet growth without adding complexity. For these two reasons, the airline was looking for a partner who could develop a strategy tailored to Akasa Air, with the objective to initially support a timely go-live and, in a second phase, to increase the usage of the software functionalities and the automation of the processes. The implementation has just been finalised after just three months of project work with a successful go-live - on time with the operational start of its first B737 MAX. The Akasa Air team is relying on Swiss-AS' cloud hosting services; the AMOS cloud hosting package, combined with AOS (management of application and database server), provides the customer with a fully cloud-hosted AMOS environment and ideal operating conditions to benefit from the full potential of AMOS. This option relieves Akasa Air of the need to operate a technical infrastructure on premise and provides an attractive and cost-effective alternative – being the perfect setup for a start-up airline.

#### FINANCIAL NEWS

Scandinavian carrier roughly US\$145 million and had affected over 380,000 passengers during what is usually a peak travel period. The airline grounded some 3,700 flights during the strike, saying last week its number of passengers fell 32% in July from June and capacity by 23%. The strike also accelerated the carrier's need to file for Chapter 11 bankruptcy according to SAS Chief Executive Anko van der Werff. Moving forward, as SAS was unprofitable even before the global pandemic owing to keen competition from low-cost carriers, it would now need to substantially slash running costs as well as raise additional finance in order to survive. While the Swedish government has openly rejected SAS' plea for financial help, the Danish government is adopting a more flexible approach and has indicated it might consider injecting fresh funds if SAS can find support from privatesector investors. SAS anticipates receiving court approval for the US\$700 loan by the end of September and hopes to complete the Chapter 11 restructuring process in nine to 12 months. (£1.00 = US\$1.21 at time of publication).

#### INFORMATION TECHNOLOGY

Now, more than at any other point in commercial aviation's history, it is imperative for airlines to be cost-conscious and efficient. Airlines have been faced with the ebbs and flows of passenger demand, congested airports, supply chain issues

#### **OTHER NEWS**



Frankfurt Airport Photo: Fraport

In July 2022, Frankfurt Airport (FRA) welcomed more than 5.0 million passengers in a single month for the first time since the start of the pandemic – representing an increase of 76.5% compared to July 2021. The upward trend was driven by the ongoing rise in demand for holiday flights. Germany's largest aviation hub thus maintained its rapid growth momentum - despite a one-day strike by Lufthansa ground staff in late July resulting in some 100,000 passengers less for the reporting month. FRA's passenger traffic in July 2022 was still 27.4% below the level registered in pre-pandemic July 2019. Cargo volumes in Frankfurt continued to drop by 18.1% year-on-year in July 2022. As in the previous months, cargo was still affected by airspace restrictions related to the war in Ukraine and the extensive anti-COVID measures in China. In contrast, aircraft movements climbed by 26.9% year-on-year to 35,005 take-offs and landings in July 2022. Accumulated maximum take-off weights (MTOWs) increased by 31.9% year-onyear to over 2.2 million metric tonnes. Across the Group, the airports in Fraport's international portfolio also continued to benefit from ongoing passenger recovery. Slovenia's Ljubljana Airport (LJU) served 124,685 passengers in July 2022. In Brazil, combined traffic at the two airports of Fortaleza (FOR) and Porto Alegre (POA) rose to 1,187,639 passengers. Lima Airport (LIM) in Peru registered some 1.7 million passengers. At Fraport's 14 Greek regional airports, total traffic advanced to 5,912,102 passengers. As a result, combined traffic figures for the Greek airports clearly surpassed pre-crisis levels in July 2022, rising by 11.1% versus July 2019. The Fraport Twin Star airports of Burgas (BOJ) and Varna (VAR) on the Bulgarian Riviera saw an overall traffic increase to 745,223 passengers. At Antalya Airport (AYT) on the Turkish Mediterranean coast, passenger numbers grew to over 5.0 million travellers in July 2022.



#### INFORMATION TECHNOLOGY

and socio-political issues while trying to maintain operations as usual with a shrinking labour force. That is why the airlines that are the fastest to adopt digital technologies and processes will be the ones to come out on top and flourish instead of simply surviving. Azul Brazilian Airlines (Azul) took an enormous step forward by innovating its MRO department by reshaping how it procures aircraft parts. By moving its parts procurement onto SkySelect's ePaaS, within just two months, Azul has been experiencing superior results, including substantial cost savings of 6%, 95% ontime delivery performance and automating the purchasing of 65% of the material requirements from request-to-delivery. SkySelect's unique ePaaS model combines experts and technology, overcoming the slow technology adoption problem and bringing instant access to artificial intelligence (AI), big data, and the cloud to enhance the visibility of the aircraft parts' supply chain.

#### **OTHER NEWS**

Canada Jetlines, the new, all-Canadian, leisure airline, has received its air operating certificate (AOC) from Transport Canada, granting approval to initiate operations out of its travel hub at Toronto Pearson International Airport (YYZ). Securing the AOC confirms that Canada Jetlines has all required professional capabilities and adheres to all safety regulations needed for aircraft operations. Canada Jetlines looks forward to its inaugural flight and will be releasing new destinations and updated scheduling shortly.

Hawaiian Airlines and Honolulu Community College (HonCC) have formed an innovative partnership to graduate more local students as highly skilled aviation maintenance technicians, a field experiencing soaring demand. When the fall academic semester begins, some Hawaiian Airlines aviation maintenance technicians will trade the carrier's aircraft hangar for HonCC's facilities as instructors. Hawaiian's Bill Kinsley and Jason Anderson will teach classes for HonCC's Aeronautics Maintenance Technology (AERO) programme, allowing it to double enrolment to 100 students by Fall 2023. HonCC graduates will be prepared with the knowledge and practical skills necessary to obtain the FAA Airframe and Power Plant Maintenance certification and pursue high-paying aviation jobs. It is estimated that 610,000 aviation maintenance technicians will be needed over the next two decades to support growth in the global aviation industry.

**lonQ**, an industry leader in quantum computing, has announced a collaboration with **Airbus** to

#### **OTHER NEWS**



Photo: Delta will resume flights from LAX to Haneda starting December 1.

Delta Air Lines (Delta) will resume flights from Los Angeles International Airport (LAX) to Tokyo International Airport (HND) beginning October 30, in anticipation of Japan's easing of travel restrictions. The route will start operating three-times weekly before moving to daily starting December 1. The restart of service will use an Airbus 330-900neo aircraft featuring Delta One Suites,

Delta Premium Select, Delta Comfort+ and Main Cabin services. Delta will also start a new daily service between Honolulu and Haneda on December 1. This is the first time Delta has offered service from Haneda to Honolulu with its start delayed due to the pandemic. Customers will be able to enjoy Delta One, Delta Premium Select, Delta Comfort + and Main Cabin services using the Boeing 767-300ER aircraft. Haneda is a key hub for Delta and offers multiple travel options from key U.S. gateways including Seattle, Atlanta and Detroit.



Artist's impression of Qantas' new flight training centre

Photo: Qantas

The Qantas Group will train pilots at a new purpose-built centre in Sydney across its current and future fleet including the aircraft that will operate non-stop flights from the east coast of Australia to London and New York. A new multi-million-dollar facility is proposed for St Peters near Sydney Airport and would provide training for up to 4,500 new and current Qantas and Jetstar pilots and cabin crew each year from early 2024. The centre is expected to house up to eight full-motion flight-simulators, including for the Airbus A350 and A320-family of aircraft that were recently ordered as part of the airline's Project Sunrise flights and Qantas and Jetstar's domestic fleet renewal. The facility will also have fixed flight training devices, emergency procedures equipment with aircraft cabin mock-up and classroom and training facilities. Senior Qantas and Jetstar training captains will train pilots from the two airlines while global training provider CAE will maintain the simulators and manage the day-to-day operations of the centre as part of a long-term partnership. CAE may also provide training for other airlines in the region at the facility. Pilots typically do four sessions per year to remain current in their formal qualifications and up to 15 sessions when training for a new aircraft type. The development is subject to planning approvals, with a submission lodged by LOGOS who will develop the centre in partnership with CAE and Qantas. The New South Wales Government has declared this proposal as state significant and will expedite its assessment. Qantas relocated simulators from Sydney to Melbourne and Brisbane in 2021 to make way for the NSW Government's Sydney Gateway road project. Sydney-based pilots currently travelling interstate to do their training will resume training in their home state when this facility opens in early 2024.



#### **OTHER NEWS**

explore the potential application and benefits of quantum computing for aerospace services and passenger experiences. The Quantum Aircraft Loading Optimisation & Quantum Machine Learning project will be a 12-month project that culminates in the development of a prototype aircraft-loading quantum application, hands-on collaboration and coaching sessions for Airbus developers and engineers and an exploration of future integrations of quantum computers for Airbus and its customers. In response to the ongoing supply chain crisis, aerospace companies are investing in the latest technologies to understand areas for improved efficiencies - cargo loading being one of them. Airbus' partnership with IonQ is the first step toward developing smarter algorithms based on quantum computers that can potentially lead to cost savings due to more optimised distribution of cargo on flights. Looking long-term, Airbus hopes to use quantum algorithms to improve other areas of air travel, including reduced fuel consumption, better aerodynamics and optimised trajectories.

#### **INDUSTRY PEOPLE**



Alex Antilla

• Delta has appointed Alex Antilla as Vice President, Latin America. Based in Santiago, Chile, he will oversee Delta's business and customer experience strategy throughout Mexico, Central America, South

America and the Caribbean, as well as the airline's partnerships with the LATAM Group and Aeromexico, Antilla has worked with Delta for 16 years in the trans-Pacific, trans-Atlantic and Latin American regions and in this new role he will focus exclusively on Latin America. Before this new position, he served as Managing Director, Latin America Pricing and Revenue Management, leading a team of professionals focused on optimising and maximising revenue and profit for Delta's Latin America portfolio. He has also held roles in network planning, sales and alliances and has worked extensively on several of Delta's joint ventures.

• Tony (Toshinori) Kondo has joined Werner Aero as Executive Vice President. He is expected to be instrumental in

#### **INDUSTRY PEOPLE**

leading the company in its next business phase. Prior to joining Werner Aero, Kondo spent the past 14 years in the aircraft and engine leasing business within Sumitomo Corporation. In 2014, he was a founding member of SMBC Aero Engine Lease (SAEL), which has grown to become one of the leading engine leasing companies globally. His role in SAEL was Head of Trading, where he was in charge of all trading activities globally. In 2018, he was selected by Airline Economics as a member of the prestigious "40 under 40" club. Kondo is a graduate of Kyoto University with a degree in economics.



Edita Jakucionyte-Lukse

FL Technics, global MRO solutions provider, announced changes management team. Jakucionyte-Lukse will take the position of Head of Human Resources of the FL Technics

Group from August 11, 2022. With over 20 years of personnel management experience, Jakucionyte-Lukse joins a strong international team, where she will be responsible for people management strategy, its implementation and company development support decisions. Before joining FL Technics, Jakucionyte-Lukse held the position of Head of People and Culture at UAB Palink, Head of Human Resources and Communication at AB Grigeo Group and Head of Human Resources at ABB T&D in the United Arab Emirates. She obtained a bachelor's degree in Business Administration and a master's degree in Public Administration at the Kaunas University of Technology and a master's degree in Business Administration at ISM University and BI Norwegian Business School.

• Hans Airways, the new long-haul hybrid airline readying to start scheduled flights between Birmingham, UK and Amritsar, India, has confirmed the appointment of Baroness Usha Prashar. CBE to its Executive Board. Since 1970, Baroness Prashar has served as director, or chair, of a variety of public and private sector organisations, including NED appointments with Channel Four, ITV Television, UNITE Group Plc and Nationwide Building Society. She has



Baroness Usha Prashar

served as Chair of the National Literacy Trust and Trustee of the BBC World Service Trust, hitherto serving as president of the Royal Commonwealth Society and Deputy Chair of the British Baroness Council. Prashar also

previously served as Honorary President of the UK Community Foundations (UKCF), the umbrella organisation for all community foundations, providing philanthropic advice to clients and delivering UK-wide grant-making programmes. Currently she is the Chair of the UK Federation of Indian Chambers of Commerce and Industry (FICCI) and Chair of Cumberland Lodge, an educational charity initiating fresh debate on the burning questions facing society.



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## THE AIRCRAFT AND ENGINE MARKETPLACE

#### **Commercial Jet Aircraft**

Committee	ai oct Airciait								
Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	FPG Amentum	V2527M-A5	3705	2008	Now	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
A319-100	BBAM	CFM56-5B5/P	2119	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-100	BBAM	CFM56-5B5/P	2283	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-112	Deucalion Aviation Limited	CFM56-5B63	3586	2008	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A319-133	Deucalion Aviation Limited	V2533M-A5	2965	2007	Q4/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A319-131	Deucalion Aviation Limited	V2522-A5	2375	2005	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-200	BBAM	CFM56-5B4/3	6467	2015	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A320-200	ORIX Aviation	CFM56-5B4/3	4714	2011	Q3/2023	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	ORIX Aviation	CFM56-5B4/P	2620	2005	Q2/2023	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Now	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
A321-231	Deucalion Aviation Limited	V2533-A5	6009	2014	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A321-231	Deucalion Aviation Limited	V2533-A5	6294	2014	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-200	Deucalion Aviation Limited	CF6-80E	814	2007	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-200	Doric	Trent 772B-60/16	1407	2013	Q4/2022	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-200	GA Telesis	PW4168A	322	2000	Jul 2022	Sale / Lease	David Byrne	aircraft@gatelesis.com	+353 86 780 8974
A330-300	BBAM	Trent 772B-60	1633	2015	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	Trent 772B-60	1609	2015	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	Trent 772B-60	1482	2014	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	ALTAVAIR	PW4168A	333	2000	Q4/2022	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B737-700	BBAM	airframe only	32414	2003	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800	BBAM	CFM56-7B26/3	29637	2009	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800	ORIX Aviation	CFM56-7B26/3	35216	2007	Now	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B24E	40318	2012	Now	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B757-200 Cargo	Airwork Ireland Limited	RB211-535E4	27051	1995	Now	Lease	Robbie Brazel	robbie.brazel@airworkgroup.com	+353 87 372 8262
B757-200 Cargo	Airwork Ireland Limited	RB211-535E4	25297	1992	Q4/2022	Lease	Robbie Brazel	robbie.brazel@airworkgroup.com	+353 87 372 8262
B737-900ER	Deucalion Aviation Limited	CFM56-7B26	35712	2007	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-900ER	Deucalion Aviation Limited	CFM56-7B26	35717	2007	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B777-200ER	Deucalion Aviation Limited	GE90-94B	32721	2007	Q2/2023	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B777-200ER	Deucalion Aviation Limited	GE90-94B	35295	2007	Q2/2023	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B777-300ER	BBAM	GE90-115BL	38407	2011	Mar 2023	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	ALTAVAIR	GE90-115BL	29146	2013	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B777-300ER	ALTAVAIR	GE90-115BL	29147	2013	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B777-300ER	ALTAVAIR	GE90-115B	34600	2006	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B777-300ER	ALTAVAIR	GE90-115B	39700	2009	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
(6) B777-300ER	ALTAVAIR	GE90-115B	various	12-13	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493









+ 1 954-478-7195

+1 (561) 349-8950

+1 980.256.7120

+353 61 291717



## THE AIRCRAFT AND ENGINE MARKETPLACE

Regiona	Llot /	Turbo	oron	Aircraft
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CF34-3A

(2) CF34-10E6

(3) CF34-10E6

(2) CF34-10E7

(1) CF34-8C5A1

(2) CF34-8C5B1

(3) CF34-8E5A1

(1) CF34-10E6

(1) CF34-10E5A1 Full QEC

Full QEC

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200	Regional One	CF34-3B1	7925	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7926	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7937	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7941	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ER	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ER	Regional One	CF34-3B1	8059	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200LR	Regional One	CF34-3B1	7625	2002	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15215	2009	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15207	2008	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900ER	Regional One	CF34-8C5	15111	2007	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900ER	Regional One	CF34-8C5	15115	2007	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4042	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4100	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007	145508	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007	145515	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ170-100LR	Regional One	CF34-8E5	17000093	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
SAAB 2000	Jetstream Aviation Capital	AE2100A	031	1996	Now	Sale / Lease	Donald Kamenz	dkamenz@jetstreamavcap.com	+1 (305) 447-1920 x 115
SAAB 340B CRO	3 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
Commerc	ial Engines								
AE3007 Engine	•	Sale / Lease		Comp	any		Contact	Email	Phone
(2) AE3007A1E		Now - Lease		Aircrat	ft and Engine	Lease Corp.		fleetmanager@aelc.aero	
CF34 Engines		Sale / Lease		Comp	any		Contact	Email	Phone
CF34-8E5		Now - Lease		Luftha	nsa Technik A	AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E		Now - Lease				•			
CF34-8C		Now - Lease							

Joe Hutchings

Jennifer Merriam

Bradley Hogan

Declan Madigan

Willis Lease Finance Corporation Power to Spare – Worldwide®

Now - Sale / Lease

Now - Sale / Lease

Now - Sale / Lease

Now - Sale/Lease/Exch.

Now - Sale/Lease/Exch.

Now - Sale/Lease/Exch.

Now - Lease

Now - Lease

Now - Lease

DASI

Willis Lease

Magellan Aviation Group

Engine Lease Finance



joe.hutchings@dasi.com

leasing@willislease.com

declan.madigan@elfc.com

bradley.hogan@magellangroup.net







Commercial Engines (cont.)

Commercial Engines (conf					
CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CF6-80E1	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CFM56-5B3/3	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiaviation.com	+1 786-785-0777
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-5B3/P	Now - Lease				
(1) CFM56-5B1/P	Now - Lease				
(1)CFM56-7B24	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(3) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B24/E	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(1) CFM56-7B27/3	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(1) CFM56-5C4	Now - Lease				
(2) CFM56-7B26E	Now - Lease				
(2) CFM56-5B5/P	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7040
(1) CFM56-5B4/P	Now - Sale / Lease				
(2) CFM56-5B6	Now - Sale / Lease				
(1) CFM56-5B2/P	Now - Sale/Lease/Exch.	Contrail Aviation Support	Mark Shaw	mark@contrail.com	+33 6 5834 1965
(2) CFM56-7B22	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B24/E	Now - Lease	Engine Educa i manes	Doolan maalgan	assiaaa.gan@ono.oo	1000 01 2317 17
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P (u/s)	Now - Sale	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-7B22/3	Now - Lease	Casticiano	otaar Macoregor	Cidal i.maogregor@casticiako.com	144 201 100 0100
(1) CFM56-5B3/P	Now - Sale	FL Technics	Modestas Valiusevicius	m.valiusevicius@fltechnics.com	+370 5 252 5015
(1) CFM56-5B6/3	Now - Sale / Lease	GA Telesis	Wiodestas Valiaseviolas	engines@gatelesis.com	1370 3 232 3013
(1) CFM56-5B3/P	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) CFM56-5B6/P	Now - Sale/Lease/Exch.	Magonan / Mation Group	bradiey riogan	bradiey.nogan@magenangroup.net	+1 900.230.7120
	Now - Sale/Lease/Exch.				
(1) CFM56-7B27 GE90 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) GE90-94B	Now - Lease	Engine Lease Finance			
• •		Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) GE90-115BL (Propulsor)	Now - Lease	DDAM	Ot 7::-	info@bbam.com	.4 707 005 7000
(2) GE90-90B LEAP Engines	Now - Sale/Lease/Exch. Sale / Lease	BBAM Company	Steve Zissis	info@bbam.com	+1 787 665 7039
		Willis Lease	Contact	Email	Phone
(1) LEAP-1A35	Sep-15-2022 - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) LEAP-1A28	Sep-15-2022 - Lease	Faring Laure Finance	Deales Madison	de alem me di men Calfe a con	.050.04.004747
(1) LEAP-1A32	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW4168	Now - Sale / Lease	Castlelake	Graeme Dodd	Graeme.dodd@castlelake.com	+44 207 190 6138
(2) PW4168A	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
(2) PW4168A	Q4/2022 - Sale	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
PW Small Engines	Sale / Lease	Company	Contact	Email k.ebach@lhaero.com	Phone
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@maero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease				
PW124B	Now - Lease				
PW123B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW150A	Now - Lease				
PW127M	Now - Lease				
PW150A RGB	Now - Lease				
<del></del>					



PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(3) PW127M	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(1) PW121	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(1) PW123	Now - Sale/Lease/Exch.	ÿ	, · · - g-··	,gggp	7 000.200.7 120
(1) PW127F	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.	Regional One	Duane Butler	Dbutler@regionalone.com	+1 561-809-0001
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(2) Trent 772B-60	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) Trent XWB-84	Now - Sale/Lease/Exch.	Tollo Troyoc & Farthers Finance	raa i wancang	Tata i Marketing@rons royce.com	144 1020010011
• •	Now - Sale/Lease/Exch.				
(1) Trent 556-61	Now - Lease	Fasia Lasa Finana	Dealer Medices	de des es diseas Oelfe e e e	.050.04.004747
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			Contact	Email Completion Could assure a series	Phone
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(2) V2533-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) V2527E-A5	Now - Lease				
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Aircraft and Engine Parts, Co	omponents and Misc	. Equipment			
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Trent 892B-17 Modules					
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(1) GTCP331-500B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(2) APS2300, (1) GTCP131-9B	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
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