

Weekly Aviation Headline News

WORLD NEWS

Delta suspends codeshare with Aeroflot

Delta has withdrawn its codeshare services operated in conjunction with Russian national airline, Aeroflot, effective immediately. The U.S carrier has removed its code from Aeroflot-operated services beyond Moscow's Sheremetyevo Airport and removed Aeroflot's code from Delta-operated services from Los Angeles and New York-JFK. The airline is working with all stakeholders affected by these changes. Delta does not operate services to Ukraine or Russia directly.

IAG Cargo announces record-breaking fourth quarter and 2021 results

IAG Cargo has reported financial results for 2021, with annual revenues of €1,673 million for the period from January 1 to December 31 2021. The results reflect the surging demand for air cargo capacity as global trade rebounds. The 2021 revenues represent an increase of 30 per cent at constant currency versus the same period last year. Overall yield for 2021 was up 11.3 per cent at constant currency versus 2020. Sold tonnes were up 21.4 per cent. In the second half of the year IAG Cargo saw momentum build with capacity starting to return as the economic recovery from the COVID-19 pandemic gained ground.

easyJet agrees A319 sale and leaseback with Aergo

Aergo Capital Limited has successfully completed the acquisition and leaseback of ten 2008 vintage A319-100 aircraft, with easyJet. All ten aircraft were closed within 12 weeks of entering into an LOI. Fred Browne, CEO at Aergo, commented: "We are delighted to have completed this first transaction with easyJet. We found the easyJet team a pleasure to deal with, both in the early stages of the transaction, and throughout the impressively efficient closing logistics. We very much look forward to further strengthening our relationship with the team at easyJet."



The market value of the 737MAX is recovering quickly.

Photo: Southwest

Narrowbodies base value recovery

But fuel prices rising as oil passes \$100 per barrel

The values of the most popular new generation narrowbody commercial aircraft are recovering much faster than their widebody counterparts, according to data released by aviation industry consultant IBA in a recent webinar. The market values of the Airbus A320neo and Boeing 737MAX are both recovering quickly and are now at 96.5% and 94.4% respectively of their pre-pandemic base values. The market value of the 737MAX has bounced back further, and from a greater divergence with its base value, following its re-certification in most global markets.

By comparison, the market values of new generation widebodies still have a greater scope for recovery to pre-pandemic levels. IBA currently values a four year old Airbus A350-900 at US\$102 million, compared to US\$115 million in January 2020, and a four year old Boeing 787-9 at US\$93 million currently, compared to US\$108 million two years ago. The values of previous generation narrowbodies have recovered partially, with market distortions

due to the grounding of the 737 MAX. IBA currently values a ten year old Airbus A320ceo at US\$17.5 million, compared to US\$23 million in January 2020, and a ten year old Boeing 737-800 at US\$21.25 million currently, compared to US\$25.7 million two years ago.

The higher value of the Boeing 737-800 (compared to the A320ceo) is due to stronger demand for P2F (passenger to freighter) conversions of the aircraft, and a lower level of fleet dispersion due to a slower pace of 737MAX replacement. Once the MAX is globally certified and as deliveries continue to ramp up, IBA expects the value gap between the A320ceo and 737-800 to narrow. Previous generation widebody values have now stabilised, but at a considerably lower level than prior to Covid-19. IBA currently values a ten year old Airbus A330-300ceo at US\$18.2 million, only slightly more than half its value in January 2020 of US\$34.8 million. It values a ten year old Boeing 777-300ER at US\$34.5 million currently, down

41% from its US\$58.9 million value two years ago.

These value changes come as the recovery of international air traffic stalled in late 2021 due to the Omicron variant of Covid-19. From December 2021 to January 2022, total air traffic across the globe remained static at 74% of pre-pandemic levels.

In Europe, air traffic fell during this period from 76% to 66% of pre-pandemic levels as the variant impacted international travel. Conversely, air traffic in Africa grew from 74% to 86% as the region, which was the first to experience Omicron, started to recover from its impact on travel.

IBA forecasts that air traffic levels in Asia-Pacific will drop in the first quarter of 2022, whilst those in Europe will bounce back through the spring and into summer 2022. IBA believes the latter may be impacted by the situation in the Ukraine, which is already driving oil prices (Brent Crude) above US\$100 per barrel for the first time since 2014, with a likely knock-on effect on aviation fuel prices.

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AIRCRAFT & ENGINE NEWS

Pel-Air awarded 12-year Ambulance Victoria fixed-wing tender

Regional Express (Rex) has reported that Ambulance Victoria and Pel-Air (Rex's subsidiary) have entered a contract for the latter to provide fixed-wing air ambulance services to Ambulance Victoria. The contract, worth more than AU\$300 million (£159 million), has a 12-year operational phase beginning in January 2024. The contract involves the supply of four fixed-wing aircraft, pilots and engineering support to enable the aerial transport of Ambulance Victoria medical personnel and patients throughout Victoria, into Tasmania, South Australia and southern New South Wales. Pel-Air is the incumbent operator for the Victorian State Government for the past eleven years, after being awarded a similar contract in December 2009 to commence fixed-wing air ambulance services for Ambulance Victoria in July 2011. The four new aeromedical Beechcraft King Air aircraft will be delivered in 2022 and will undergo aeromedical modifications to meet the requirements of Ambulance Victoria.

Elix Aviation delivers one Dash8-300 to Universal Hydrogen

Elix Aviation, the international regional aircraft leasing company, has reported the delivery of one Dash 8-300, MSN 274, to Universal Hydrogen (USA). This aircraft is the first delivery from Elix Aviation to Universal Hydrogen and will be used as a test aircraft in the development of its hydrogen powerplant systems. Universal Hydrogen is making hydrogen-powered commercial flights a near-term reality. The company takes a flexible, scalable and capital-light approach to hydrogen logistics by transporting it in modular capsules over the existing freight network from green production sites to airports around the world. To accelerate market adoption, Universal Hydrogen is also developing a conversion kit to retrofit existing regional airplanes with a hydrogen-electric powertrain compatible with its modular capsule technology.

CDB Aviation delivers first A320neo aircraft to flynas



Saudi Arabia-based flynas will receive five Airbus A320neo aircraft on lease from CDB Aviation

Photo: AirTeamImages

CDB Aviation has announced the delivery of the first of up to five Airbus A320neo aircraft to new airline customer, flynas, the Saudi Arabia-based air carrier. "This latest addition of the A320neo aircraft to flynas' growing fleet advances its ambitious plans to expand the fleet and increase the scope of its offerings in line with the Vision 2030 programme," denoted Patrick Hannigan, CDB Aviation's Chief Executive Officer. "The Saudi market continues to bounce back strongly post-pandemic and flynas will be well-positioned to take advantage of significant pent-up demand." The first aircraft, with a capacity for 174 passengers, was delivered in Toulouse, France, as part of the companies' purchase-and leaseback-agreements announced in late January 2022. CDB Aviation expects to take delivery of the remaining A320neo aircraft and lease them back to the carrier.

AviaAM Leasing delivers one more B737-800 BCF to Bluebird Nordic

AviaAM Leasing, a global aviation holding company engaged in tailored aircraft leasing and trading services, has delivered a second B737-800 Boeing Converted Freighter (BCF) to Bluebird Nordic – a rapidly growing Iceland-based cargo airline, offering ACMI and full-service cargo services. As both companies are part of Avia Solutions Group, a leading global



Photo: AviaAM Leasing has delivered another B737-800 to lessee Bluebird Nordic

aerospace services group, the strategic synergy between AviaAM Leasing and Bluebird Nordic allows the lessee to continue accomplishing ambitious expansion plans. The B737-800BCF aircraft was converted to freighter configuration by Boeing at the Guangzhou Aircraft Maintenance Engineering Company (GAMECO) facility in Guangzhou, China. AviaAM Leasing plans to have 25 converted aircraft of different types in the upcoming four years.

AIRCRAFT & ENGINE NEWS

GKN Aerospace-led Skybus collaboration project completes successful feasibility studies



Skybus

Photo: Pascall+Watson

The Skybus collaboration project has reached a key milestone by completing the initial feasibility studies. The research project has explored the potential for a six-rotor, 30-person eVTOL concept to help decarbonise and decongest urban landscapes. The studies have identified significant opportunities for air 'buses' to feasibly operate alongside air taxis in future air mobility transport networks. The Skybus consortium also developed a Thames-based Vertiport concept as well as economic models and demand forecasts for a London-based intra-city use case, with further analyses now to be carried out. GKN Aerospace is one of the leading Tier 1 airframe suppliers for Urban Air Mobility (UAM) platforms and leading the Skybus project has helped develop further understanding of the emerging UAM sector. Skybus was launched in January 2021 in order to explore the

feasibility for mass transit eVTOLs of this size to operate from Vertiports on scheduled journeys in the future, akin to bus network on today's roads. These would operate alongside air taxis to help bypass road congestion in major cities – reducing travel time and emissions – and potentially improve access to more remote areas, such as islands and mountainous regions. A successful zero-emissions mass transit system in the air would also ease congestion on the road network, reducing overall travel time, cost and emissions for all travellers.

Airbus and CFM to join forces for hydrogen propulsion programme

Airbus has announced that it has signed a partnership agreement with CFM International (CFM) for the two companies to work on a hydrogen propulsion system. CFM is a 50:50 joint company created by General Electric and Safran Aircraft Engines. The aim of the two companies is to both ground and flight test a hydrogen-fuelled direct combustion engine with the aim of bringing it into service by 2035 as part of a zero-emissions aircraft. The demonstration programme Airbus and CFM will initially work on will involve the use of an A380 flying testbed which will be equipped with liquid hydrogen tanks that will be made ready at French and German Airbus facilities. Airbus will be responsible for the hydrogen propulsion system requirements, overseeing all flight testing, and providing the A380 platform to test the hydrogen combustion engine in cruise phase. CFM will be responsible for modifying the combustor, fuel system and control system off a GE Passport turbofan engine that will run on hydrogen. The US-built engine, which already exists, was chosen for this programme for its physical size, advanced turbo machinery and fuel flow capability. It will be mounted along the rear fuselage of the flying testbed to facilitate the monitoring of engine emissions, including contrails, separately from those of the engines powering the aircraft. CFM will also carry out a comprehensive ground test programme ahead of the A380 flight test.



A380 flight test platform for the ZEROe demonstrator

Photo: Airbus

“This is the most significant step undertaken at Airbus to usher in a new era of hydrogen-powered flight since the unveiling of our ZEROe concepts back in September 2020,” said Sabine Klauke, Airbus Chief Technical Officer. “Hydrogen combustion capability is one of the foundational technologies we are developing and maturing as part of the CFM RISE Program,” said Gaël Méheust, president & CEO of CFM.

AIRCRAFT & ENGINE NEWS

Atlas Air and Kuehne+Nagel enter into long-term agreement for two Boeing 747-8 freighters

Atlas Air has entered into a long-term, dedicated charter agreement to operate two of its new incoming Boeing 747-8 freighters on a global basis for Kuehne+Nagel, one of the world's largest freight forwarders. Atlas Air will commence operation of these aircraft for Kuehne+Nagel following their delivery from Boeing, with one expected in the third quarter and the second in the fourth quarter of 2022. "We are delighted to expand our partnership with Kuehne+Nagel by providing dedicated capacity for its growing global airfreight network," said Atlas Air Worldwide President and Chief Executive Officer John W. Dietrich. "The Boeing 747-8F serves an incredibly important role in global airfreight, with advanced technology that allows for lower fuel consumption, higher capacity and unique nose-loading capability. We look forward to taking delivery of these two 747s and operating them for Kuehne+Nagel to support their network for years to come."



Photo: Atlas Air

STARLUX takes delivery of first A330-900 aircraft



STARLUX A330-900 delivery

Photo: Airbus

Taiwan's STARLUX Airlines has taken delivery of its first wide-body aircraft – an A330-900. It is the first of 26 Airbus wide-bodied jets set to join the airline's fleet, comprising eight A330neo and 18 A350s. The A330neo aircraft and one A350 are being acquired on lease from ALC, while the airline has 17 A350s on direct order with Airbus. Benefitting from the A330neo's unbeatable operating economics and award-winning Airspace Cabin, the aircraft will feature a two-class cabin with 28 business-class seats and 269 economy-class seats. The A330neo joins an existing fleet of seven single-aisle A321neo aircraft and will complement the airline's network by flying regional routes from Taiwan to the wider Asia-Pacific. At the same time, STARLUX has also signed up for the computer-based ACE (Airbus Cockpit Experience) suite training solution. Using a "learning by discovery" approach, STARLUX's flying crew will be able to use the ACE trainer that simulates a 3-D cockpit environment with guided lessons and free play.

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AIRCRAFT & ENGINE NEWS

Air Lease Corporation places leases for nine Boeing 737s with Corendon Airlines Group

Air Lease Corporation (ALC) has announced long-term lease placements for nine Boeing 737 aircraft with Turkey's Corendon Airlines Group (Corendon). Five new 737-8s will be delivered to Corendon in Turkey in the Spring of this year and one new 737-8 in the first quarter of 2023. Corendon will also lease three new 737-9s from the beginning of the first half of 2023. All nine aircraft are currently part of ALC's orderbook with Boeing. "ALC is a major lessor to the Corendon Airlines Group with three operating airlines in the Netherlands, Malta and Turkey and we are pleased to announce these lease placements," said Steven F. Udvar-Házy, Executive Chairman of Air Lease Corporation. "We appreciate and thank ALC for the long-time cooperation and fleet support," said Yildiray Karaer, Chairman of the Corendon Group. Corendon is an international tourism group specialising in air transportation. Corendon Airlines, which has three different registered airlines including Turkey, the Netherlands and Malta, carries more than ten million passengers a year through its tourist flights from Europe to popular holiday destinations as well as direct flights from Europe to many cities of Anatolia.



ALC has placed nine new Boeing 737s with Corendon Airlines

Photo: AirTeamImages

Embraer delivers 141 jets in 2021; has encouraging US\$17 billion firm-order backlog



Photo: Embraer delivered 141 jets in 2021, comprising 48 commercial aircraft, 62 light executive jets and 31 mid-size executive jets

Brazilian planemaker Embraer has released that for the fourth quarter of 2021 it delivered 55 jets, comprising 16 commercial aircraft, 26 light commercial jets and 13 mid-size executive jets. This was in comparison to a total of 71 jets in the fourth quarter of 2020. For the full financial year 2021, the company delivered a total of 141 jets, comprising 48 commercial aircraft, 62 light executive jets and 31 mid-size executive jets. This was in comparison to a total of 130 jets for the full year 2020. As of December 31, 2021, Embraer's firm order backlog stood at US\$17 billion, the highest figure since 2018. In the fourth quarter of 2021 Embraer signed an agreement with Azorra to acquire 20 new E2 family aircraft (E-190E2s or E195-E2s), plus a further 30 purchase rights in a deal valued at US\$3.9 billion and making total

sales for the aircraft of 50 for the full year. Also, during the fourth quarter of 2021 in the executive jets segment, Embraer and NetJets, Inc. signed an agreement for up to 100 additional Phenom 300, in excess of US\$1.2 billion. As part of the deal, NetJets will take delivery of the Phenom 300E in the second quarter of 2023, in both the United States and Europe. Embraer also delivered a new Phenom 300E in Quito, Ecuador, marking the first delivery of the aircraft type in the country and the first Praetor 500 in Canada to AirSprint Private Aviation, a Canadian privately held Fractional Jet Ownership company. (£1.00 = US\$1.36 at time of publication).

MRO & PRODUCTION NEWS

Joramco expands maintenance agreements with GetJet Airlines and Corendon Airlines

Amman-based MRO provider Joramco, the engineering arm of Dubai Aerospace Enterprise (DAE), has announced the extension of two maintenance agreements with GetJet Airlines and Corendon Airlines. The collaboration with GetJet Airlines began in the summer of 2021 with the successful delivery of C-check on GetJet Airline's Airbus A330 aircraft. The new agreement covers six-year nose to tail checks on another three of the airline's A320 fleet, which started in December 2021 and will continue through March 2022. The second agreement is a continuing maintenance agreement with Corendon Airlines. The agreement, revealed at the MRO ME 2022 tradeshow, follows the one the two companies first signed in 2019. This contract covers a C-check which was performed over 17 days in February on one of the airline's Boeing 737 Next Generation narrow-body aircraft.



Joramco expands its maintenance agreement with GetJet Airlines

Photo: Joramco

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MRO & PRODUCTION NEWS

Satair and Joramco extend supply agreement at MRO Middle East 2022

At MRO Middle East, Satair, an Airbus services company and Joramco, a leading independent commercial aircraft MRO company, have extended an agreement covering the supply of consumables and expendables for the support of Boeing and Airbus aircraft. The contract secures solid regional spares availabilities for Joramco and brings the benefits of costs savings, relieving the supply chain and minimising the risk of AOGs. With a history of doing business together for more than 25 years, the deal further strengthens the partnership between Satair and Joramco. The agreement has global coverage and is set to go into effect from February 22, 2022. Fraser Currie, Joramco's Chief Executive Officer stated: "We are delighted to extend our long-term cooperation with Satair who will continue to be a reliable partner in our sourcing and procurement activities by ensuring and sustaining our access to parts and reducing our lead times."



Signing ceremony of the Satair and Joramco contract at MRO Middle East 2022 in Dubai. Terry Stone, Managing Director and Head of Sales and Support, EMEA, Satair (l), and Fraser Currie, CEO, Joramco (r)
Photo: Satair

Turkish Technic and AMROS Global collaborate on base maintenance for Airbus-type aircraft



Turkish Technic and AMROS Global signing of the commemorative certificate

Photo: Turkish Technic

Turkish Technic and Swiss-based aviation and aerospace advisor, AMROS Global, have signed a commemorative certificate for the C-Check and lease-out operations of two Airbus A330 aircraft. The maintenance will commence in the first quarter of 2022. Turkish Technic has been a trusted partner for airlines, OEMs and lessors for decades, supporting many local and international customers around the globe. This brand-new cooperation between Turkish Technic and AMROS Global further strengthens the MRO's leading position in the maintenance, repair and overhaul market.

Vallair inaugurates brand-new state-of-the-art hangar in France

Vallair, the multi-faceted aviation business dedicated to the support of airlines and lessors, has opened the doors to its unique new maintenance hangar located at Marcel Dassault Airport in Châteauroux, France. The enormous state-of-the-art facility can accommodate up to five A321-size aircraft simultaneously, or a combination of A330s/A340s and A321s. Together with the Centre-Val de Loire Region and the Châteauroux Centre Airport Establishment, Vallair is proud to play a key role in the reindustrialisation of France and its aeronautical scene with this A380 capable, 8,520m² hangar which will create nearly 200 jobs in the region. As this unique facility stands as one of the largest hangars of its kind, this milestone has involved unprecedented collaboration from several parties. Supply chain shortages and COVID aside, establishing the infrastructure, resources and technology for this environmentally friendly facility has necessitated the resolution of many challenges. Grégoire Lebigot, Founder & CEO of Vallair, sums up what it means for local economy dynamics: "We are part of 'Aérocentre', the regional centre of excellence in Centre-Val de Loire that works to develop and sustain the aeronautical sector across the area with over 120 member organisations. Vallair stands as one of its key players over the last fifteen years and we are proud to be part of the rich aviation heritage in the heart of France. During this period, we have developed an unparalleled expertise in the aerostructures arena, including composites and key components like nacelles and thrust reversers on site, along with aircraft recycling, cargo conversions and our MRO activities which now extend to wide-body capabilities. It is our aim to ensure that our customers can benefit from all these complementary on-site skills and the associated cost savings that we can offer."



Photo: Vallair inaugurates its brand-new hangar at Marcel Dassault Airport in Châteauroux, France

MRO & PRODUCTION NEWS

FL Technics adds two new extensions to MRO capabilities

FL Technics has received two extensions within its current Part-145 approval. First – to provide line maintenance services for Boeing B787 aircraft and the second expansion of capabilities – for borescope inspections of Pratt & Whitney PW1100G-JM-series engines. The capability to service Boeing's B787 Dreamliner opens new opportunities within the global market for wide-body aircraft in perfect synergy with FL Technics global, large, independent line maintenance network. At the same time, its team will now leverage certified services of borescope inspection of one of the most popular engines currently in the market, typically mounted on the Airbus A320 aircraft family. Each of these two developments significantly boosts FL Technics' flexibility and opens new opportunities to provide services that are in high demand across the aviation industry.

FAA approves Constant Aviation's corporate-wide safety management system

Constant Aviation has released that the Federal Aviation Administration (FAA) has recognised it as having a single, corporate-wide Safety Management System (SMS), making it only the second MRO so designated. Achieving FAA-accepted corporate SMS status means that Constant is operating under a single safety system company-wide, which generally reduces safety risk and ranks it as a leader in business aviation maintenance safety. SMS is the standard for safety programmes in aviation worldwide. Although SMS processes are optional for MROs such as Constant, they are seen as highly beneficial and frequently are requested both by domestic customers and foreign certificate holders. Although the FAA only recently recognised Constant's corporate SMS programme, the company has been operating with SMS processes since August 2018. During an FAA audit in December 2021, Constant Aviation demonstrated that its SMS system runs parallel between the Cleveland and Sanford facilities, thereby meeting the standard of a corporate SMS programme. It met such criteria as having a single accountable executive; maintaining a common database; having data reviewed and analysed at the corporate level; having the capacity to identify and communicate hazards across all affected organisations, and having a common manual and documentation.

HAECO Landing Gear Services adds A320 landing gear overhaul capacity

HAECO Landing Gear Services has attained Airbus A320 landing gear overhaul capability

SWISS equips entire Boeing 777-300ER fleet with AeroSHARK

SWISS International Air Lines (SWISS) has decided to equip its entire Boeing long-haul fleet with the fuel-saving AeroSHARK surface technology. Starting in the middle of this year, a total of twelve Boeing 777-300ERs will gradually be fitted with the riblet films developed jointly by Lufthansa Technik and BASF. The significantly reduced



Modification of a Lufthansa Boeing 747-400 with riblet films (sharkskin) prior to validation flight campaign in late 2019
Photo: LHT

frictional resistance resulting from this modification will make the sub-fleet more than one percent more fuel efficient and lower in emissions. Swiss is the first passenger airline worldwide to use the innovative surface technology to significantly reduce fuel consumption and emissions of one of its existing fleets, thereby improving both economy and ecology. With approximately 950 m² of riblet film, the modification of the "long" Boeing 777-300ER will be even larger than the 800 m² on the Boeing 777F of AeroSHARK's launch customer Lufthansa Cargo. The potential for fuel and CO₂ savings on this scale is around 1.1 percent. Converted to the operational profile of the twelve Boeing 777-300ERs at SWISS, this means annual savings of more than 4,800 tonnes of kerosene and roughly 15,200 tonnes of carbon dioxide, as much as is usually generated on approximately 87 long-haul flights from Zurich to Mumbai. "Reducing our environmental footprint is one of the biggest challenges facing the aviation industry and becoming carbon neutral until 2050 is an important strategic goal for SWISS," said Dieter Vranckx, Chief Executive Officer of SWISS. "We are keen to actively promote and invest in the use of new technologies. We are pleased to be the world's first passenger airline to offer the innovative AeroSHARK technology on our Boeing 777 fleet, making another important contribution to more sustainable air travel in the future."

Topcast Group and Liebherr-Singapore sign supply agreement



Ekkehard Pracht (l), General Manager Aerospace of Liebherr-Singapore and Steven Pearson (r), CEO of Topcast Group
Photo: Topcast Group

Topcast Group, a global supplier of parts, MRO services and aftermarket solutions for the aviation industry and Liebherr-Singapore, Liebherr-Aerospace's regional service centre in the Asia-Pacific region, have signed a supply agreement at the Singapore Airshow 2022. This innovated agreement increases the scope of material support to fast-moving Line Replacement Units (LRUs) including heat exchangers for the aircraft platforms of the Airbus A320 and A321 family. The Liebherr Group plays a decisive role in shaping technological progress in numerous industries and provides individual solutions for its customers' specific requirements. This expanded partnership will leverage on the extensive footprint of Topcast in Asia-Pacific and will enable both companies to provide a broader and deeper service scope to their mutual valued customers.

Topcast Group, a global supplier of parts, MRO services and aftermarket solutions for the aviation industry and Liebherr-Singapore, Liebherr-Aerospace's regional service centre in the Asia-Pacific region, have signed a supply agreement at the Singapore Airshow 2022. This innovated agree-

MRO & PRODUCTION NEWS

from the Federal Aviation Administration (FAA), the European Union Aviation Safety Agency (EASA) and the Civil Aviation Administration of Thailand (CAAT). Christian Pinter, Director and General Manager of HAECO Landing Gear Services, said: "We are pleased to offer Airbus A320 capability starting this year. This new development reaffirms our commitment to continually expanding our service offerings and enables our company to provide a wider range of services to existing and new customers. We are, in the interim, seeking approvals from other authorities to cater for market demand."

FINANCIAL NEWS

Air Canada reports fourth-quarter and full-year 2021 financial results

Air Canada has reported its fourth-quarter and full-year 2021 financial results. The company reported fourth-quarter 2021 operating revenues of CA\$2.731 billion, 30% higher than in the third quarter of 2021 and over three-times fourth-quarter 2020 operating revenues. Fourth-quarter 2021 operating loss of CA\$503 million compared to an operating loss of CA\$1.003 billion in the fourth quarter of 2020. Fourth-quarter 2021 EBITDA, excluding special items, of CA\$22 million compared to negative EBITDA (excluding special items) of CA\$728 million in the same quarter of 2020. Air Canada reported full-year 2021 operating revenues of CA\$6.400 billion compared to 2020 operating revenues of CA\$5.833 billion, while recording cargo revenues in 2021 of CA\$1.495 billion compared to 2020 cargo revenues of CA\$920 million. Full-year 2021 operating loss of CA\$3.049 billion compared to an operating loss of CA\$3.776 billion in 2020. Full-year 2021 negative EBITDA (excluding special items) of US\$1.464 billion compared to negative EBITDA (excluding special items) of CA\$2.043 billion in 2020. Unrestricted liquidity of US\$10.4 billion on December 31, 2021, practically unchanged from September 30, 2021, excluding funds that were available on September 30, 2021, under the financial package with the Government of Canada. (£1.00 = CA\$1.73 at time of publication).

Airbus, Safran and Tikehau Ace Capital sign agreement with Eramet for acquisition of Aubert & Duval

Airbus, Safran and Tikehau Ace Capital have signed a Memorandum of Understanding with the mining and metallurgical group Eramet for the acquisition of its subsidiary Aubert & Duval. The three partners intend to acquire 100% of Aubert & Duval through a new joint

Air Peace and Embraer sign services agreement at MRO Middle East



Air Peace and Embraer signed services agreements for the carrier's E-Jets E2 fleet

Photo: Embraer

Embraer announced during the MRO Middle East event in Dubai, that it has signed a comprehensive long-term services agreement with Air Peace, Nigeria and West Africa's largest airline, to support the airline's E195-E2 and ERJ 145 fleets. The contract includes access to the pool program, which includes component exchanges and repair services for hundreds of reparable items for Air Peace's Embraer aircraft and the installation of the Ahead-Pro (Aircraft Health Analysis and Diagnosis – PROgnosis) in the airline's E195-E2 fleet. Air Peace is the launch customer in Africa for the E2s, the newest, most efficient and most comfortable aircraft in the segment. The airline is also the global launch customer for Embraer's innovative premium staggered seating design. The airline has 13 firm orders for the E195-E2s, with 17 remaining purchase rights for the same model, also operating eight ERJ 145s. Five of the 13 firm orders were delivered in 2021, with more to be delivered this year.

West Star Aviation plans expansion of Grand Junction, CO facility



Photo: Rendering of West Star Aviation's Grand Junction, CO facility

West Star has announced plans for a major facility expansion at Grand Junction, CO (GJT) in order to keep pace with customer demand. The Grand Junction, Colorado facility is planning a new 40,000 ft² hangar with an additional 35,000 ft² of shop and office space. The shop space will include a larger interior shop, a complete composite shop and tool room. The new facility

will be focused on the expansion of large aircraft capability and is slated to be completed in 2023. The expansion would increase the GJT location's operational footprint to approximately 379,000 ft². The company plans to add 84 additional technicians in the next 12 months and an additional 100 new jobs as the facility expansion nears completion. This expansion is being supported by a job growth incentive tax credit and strategic fund project from the Colorado Economic Development Commission (EDC). In addition to the expansion project and for the strategic fund portion of the package, the Grand Junction Economic Partnership and Industrial Developments Inc. will provide a local match to jumpstart the construction of the project. This will also allow for jobs to be created and filled at a faster pace.



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FINANCIAL NEWS

holding company that would be specifically set up for this transaction and in which they would have equal ownership rights. Aubert & Duval is a strategic supplier of critical parts and materials for a number of demanding industry sectors, notably the aerospace, defence and nuclear industries, with annual revenues of approximately €500 million (£417 million) and a workforce of around 3,600 employees based mostly in France. The company has end-to-end capabilities in special materials and superalloys, as well as nascent expertise in titanium, which are critical to aerospace, transportation, energy and defence applications. This acquisition would allow Airbus and Safran to secure the strategic supply chain, for themselves as well as other customers, and new material development for current and future civil and military aircraft and engine programmes. It is also consistent with the initiatives taken in the last few years to support the French aerospace industry's supply chain, and in particular the creation, with the help of the French State, of the Ace Aéro Partenaires fund managed by Tikehau Ace Capital.

SIA Engineering Group reports financial performance for third quarter FY2021-2022

SIA Engineering Group revenue for the third quarter of FY2021-22 increased 33.8% year-on-year to SG\$140.0 million. The increase was largely driven by increase in transit handling-related revenue due to the higher number of flights handled. Expenditure increased at a higher rate of 42.8% to SG\$147.8 million, mainly due to reduction in government wage support. Excluding the impact of government wage support, expenditure increased 12.4%. Share of profits of associated and joint venture companies was SG\$40.1 million, an increase of SG\$27.8 million (+226.0%) year-on-year with higher contributions from the engine and component segment (+SG\$22.4 million) and lower losses from the airframe and line maintenance segment (+SG\$5.4 million). The increase for the engine and component segment was mainly due to a one-time writeback of tax provisions by certain associated companies. The increase for the airframe and line maintenance segment was mainly due to increase in flight activities. Net profit was SG\$33.2 million for the quarter ended December 31, 2021, an increase of SG\$25.5 million year-on-year. Excluding government wage support and the one-time writeback of tax provisions, the Group would have been in a loss position of SG\$7.0 million. As of December 31, 2021, equity attributable to owners of the parent company was SG\$1,598.0 million, an increase of SG\$64.4 million (+4.2%) from March 31, 2021, mainly due to profits earned in the first

MILITARY AND DEFENCE

IAI delivers first F-16 wing and vertical fin to Lockheed Martin for new F-16 Block 70/72 aircraft



F-16 wing

Photo: Lockheed Martin

Israel Aerospace Industries (IAI) has delivered the first F-16 wing and vertical fin to Lockheed Martin, following the reopening of the F-16 wing assembly line at IAI. As a result of increased worldwide demand for the F-16 Block 70/72, IAI re-opened the assembly lines that had been established in the 1980s to continue production of the F-16 aerostructures assembled at IAI. The F-16 wings and vertical fins will be shipped to the F-16 production and final assembly line in Greenville, South Carolina, USA. Prior to re-opening the F-16 assembly lines, IAI invested in modernising infrastructure, improving the work environment, and introducing new tools to produce fully compliant F-16 aerostructures. IAI also successfully re-established the supply chain of hardware suppliers to support the assembly lines, checked and verified tooling, carried out necessary first article inspections and conducted training programmes for the F-16 team.

Royal Thai Army becomes Boeing's second international customer for AH-6 helicopter

Boeing has been awarded a US\$103.7 million contract by the US Department of Defence as part of a foreign military sale for eight AH-6 light attack reconnaissance helicopters to Thailand. The contract also includes spares, training devices, support equipment and technical publications for the Royal Thai Army. The deal paves the way for the Royal Thai Army to replace its fleet of aging AH-1F Cobras as part of the country's defence modernisation efforts. The aircraft will be produced in Mesa, Arizona, with deliveries planned through 2024. A beneficiary of ongoing AH-64 Apache modernization efforts, the AH-6 features an advanced mission computer capable of processing large amounts of data and sharing system information with the rest of the aircraft quickly — enhancing safety and situational awareness, enabling faster decision making, reducing pilot workload and decreasing support costs throughout the aircraft's life cycle.



Boeing has been awarded a contract for eight AH-6 helicopters from the Royal Thai Army
Photo: Boeing

FINANCIAL NEWS

nine months of the financial year. Total assets of SG\$1,835.2 million as of December 31, 2021, represented a SG\$25.4 million (+1.4%) increase from March 31, 2021. The Group's cash balance was SG\$656.1 million with low borrowings. With recovery trajectory remaining uncertain, the Group continues to exercise prudence in its cash management. (£1.00 = SG\$1.83 at time of publication).

Nasmyth Group announces Investment from Rcapital

The Board of Nasmyth Group, the provider of specialist precision engineering services to the aerospace, defence and related industries has completed a comprehensive recapitalisation that will give the business the stable foundation it needs to drive ingenuity and continue to serve the needs of its customers around the world. Under the terms of the recapitalisation Rcapital, the provider of investment, commercial expertise and hands-on support to businesses, will take a significant equity investment in Nasmyth Group, alongside the existing management team and will also deliver long-term debt facilities with its partner, Secure Trust Bank Commercial Finance. Nasmyth Group will continue to be led by its existing management team, headed by Peter Smith and Simon Beech who will work alongside Rcapital to implement a strategy to grow the Group further. This recapitalisation will give Nasmyth Group a stable financial platform to seek opportunities to grow the business and capitalise on what is expected to be a major rebound in demand over the coming months.

Norwegian returns to profitability after massive restructuring

Norwegian Air (Norwegian) has reported its fourth-quarter 2021 and preliminary full-year 2021 financial results, revealing a pre-tax (EBT) profit of NOK 117 million for the fourth quarter compared to a loss of NOK 16.6 billion for the fourth quarter of 2020. In the fourth quarter of 2021, 3.1 million passengers travelled with Norwegian, up from 0.6 million in the same period in 2020 and 2.5 million in the previous quarter. Production (ASK) was 4.6 billion seat kilometres, while passenger traffic (RPK) was 3.6 billion seat kilometres. The load factor increased to 77.0 percent, up from 52.4 percent for the same period in 2020 and 73.1 percent in the previous quarter. At the end of the fourth quarter 2021, the total operational fleet was made up of 51 aircraft. At the end of the fourth quarter 2021, cash and cash equivalents had increased to NOK 7.7 billion. (£1.00 = NOK 12.21 at time of publication).

MILITARY AND DEFENCE

Airbus and OCCAR sign military Eurodrone global contract for 20 systems

European aerospace giant Airbus has signed a Eurodrone global contract with the Organisation for Joint Armament Co-operation (OCCAR) for the development and manufacture of 20 drone systems and five years of initial in-service support. Airbus Defence and Space GmbH signed in representation of the three Major Sub-Contractors (MSC) Airbus Defence and Space S.A.U in Spain, Dassault Aviation in France,



Desert mission Eurodrone

Photo: Airbus

and Leonardo S.p.A. in Italy, while OCCAR has signed on behalf of the four launch nations Germany, France, Italy and Spain. Eurodrone is a Medium Altitude Long Endurance (MALE) Remotely Piloted Aircraft System (RPAS) with versatile and adaptable capabilities which make it the ideal platform for Intelligence, Surveillance Target Acquisition and Reconnaissance (ISTAR) missions or homeland security operations. Its open architecture part of the future-proof design will enable growth and rescoping system capabilities as determined by the future needs of armed forces customers. It is the first MALE designed from the start to meet requirements for integration into civil airspace, helping to improve efficiencies such as use of direct flight paths, without the need for pre-planned emergency landing sites, thus saving time, fuel and, as a result, CO2 emissions. Eurodrone relies on Digital Design, Manufacturing and Services (DDMS), a new, digital-first approach applied by Airbus to the way aerospace products are designed, manufactured and operated throughout all product phases. Eurodrone is the first programme that will be fully designed and developed from the start through DDMS in a stepped approach and aims to benefit from better upgrade planning, improved operational availability and lower life-cycle costs.

OTHER NEWS



Azul Cargo

Photo: Lemon Queen

Brazil's largest cargo transportation company, **Azul Cargo**, a subsidiary of **Azul Linhas Aéreas Brasileiras**, has selected Miami-based **Globe Air Cargo** as its exclusive GSSA within the US. ECS Group's US-subsiidiary, Miami-based **Globe Air Cargo** is now responsible for all cargo sales and administrative services connected to Azul's entire US business and will assist Azul with flight operations. Azul oper-

ates an A330 passenger and passenger-to-freighter fleet out of Fort Lauderdale-Hollywood International Airport (FLL) and Orlando International Airport (MCO), to Viracopos-Campina International Airport (VCP), Brazil, nine-times a week and is licenced to carry all commodity types. In addition to steering and growing Azul's cargo business out of its online gateways, the GSSA has clear plans to also develop the airline's business from offline US destinations with dedicated Azul sales representatives.

INFORMATION TECHNOLOGY

Despite the ongoing Covid-pandemic worldwide, startup airlines continue to launch. **Dominican Republic aviation regulatory authorities** (JAC) have recently approved 30 routes for the newly re-branded **Arajet Airline**, formerly **Flycana**, as the country's first ultra-low-cost carrier. Arajet will operate scheduled and non-scheduled passenger and cargo service with a fleet of five Boeing 737 MAX 8 aircraft. Arajet is set to begin operations at its hub based at the Las Américas International Airport (SDQ) in Santo Domingo, the second-busiest airport in the Dominican Republic. Routes will include international flights to the United States, Cuba, Colombia, Costa Rica, Mexico, Panama, Peru, Haiti, Trinidad and Tobago, Netherlands (Netherlands Antilles), and France (French Caribbean Antilles). The airline has inked a deal with TRAX to implement the web-based eMRO system to manage maintenance activities on its Boeing fleet of aircraft. Implementing the eMRO cloud solution with its leading-edge technology will bring many advantages to Arajet. Users can have maximum mobility while accessing required documentation and electronic data, viewing assigned maintenance tasks, receiving real-time updates on planned and completed work, tapping into integrated materials modules, and an overall increase in cost savings, enhanced productivity and efficiency.

Pentagon 2000 Software, a leading provider of fully integrated MRO and supply chain software solutions for the Aerospace & Defence industry, has released a new upgraded version of the mobile apps for work order management. The maintenance work order app supports management of aircraft maintenance work orders with cards and travellers, and the component work order app supports management of component work orders with routers and operations. Enhanced and upgraded features of the iOS mobile apps are designed to support installing and removing components from an aircraft, managing tools, requesting parts, viewing technical publications, capturing discrepancies, documenting corrective actions and performing image capture. Electronic signoffs are supported, and full user security and audit trails are maintained while using the apps. Since the apps operate in real time, other users on the system network from their Windows, web, or mobile apps can access changes to the network data immediately to allow users that work from different locations to perform as a connected and unified team. Connections by local Wi-Fi networks and cellular networks are supported to allow campus or global deployment. Benefits for

OTHER NEWS



Photo: bp refinery in Lingen, Germany

bp, the parent company of the international aviation fuel products and services supplier **Air bp**, has completed an industrial first in Germany producing sustainable aviation fuel (SAF) from used cooking oil. The bp plant in Lingen is the first industrial production facility in Germany to use co-processing to produce SAF from waste and residues. The Lingen refinery processes the used cooking oil together with crude oil in its existing facilities, which is called 'co-processing'. The end product is SAF. Thanks to 'co-processing' bp can continue to operate the existing plant with some modifications and extensions and also make a direct contribution to decarbonisation. SAF can drop straight into existing infrastructure and aircraft and has the potential to provide a significant lifecycle carbon reduction compared to the traditional jet fuel it replaces. Any aircraft certified for using the current specification of jet fuel can use SAF. The production at Lingen is part of bp's aim to have a global market share of 20% for SAF. Refineries can leverage 'co-processing' technology at scale for both air and road transport.



The UK Civil Aviation Authority has suspended the foreign carrier permit held by Aeroflot Russia Airlines until further notice
Photo: AirTeamImages

As of midnight, GMT, Friday February 25, the **British government** has introduced a ban for all Russian commercial and private aircraft, including all aircraft chartered by Russians, from British airspace. This ban not only affects **Aeroflot**, but also jets owned or rented by oligarchs. The government's Department of Transport published a Notice to Airmen (NOTAM) stating that all aircraft "owned, chartered or operated by a person connected with Russia" will be banned from UK airspace. The ban will remain in effect until 23.59 GMT on May 23. While this ban will include the UK's territorial seas, it cannot prevent planes from flying outside the 12-mile territorial limit. The **UK's Civil Aviation Authority** (CAA) told the British newspaper **Mail Online** on Thursday of this week that: "Following the announcement by the Prime Minister in Parliament today, the UK Civil Aviation Authority has suspended the foreign carrier permit held by **Aeroflot Russia Airlines** (Aeroflot) until further notice. This means that Aeroflot will not be permitted to operate flights to or from the United Kingdom until further notice." In a subsequent and unsurprising retaliatory tit-for-tat move, on Friday morning Russia announced that all British aircraft were now banned from Russian airspace.

INFORMATION TECHNOLOGY

Pentagon 2000SQL™ system users include the ability to operate efficiently from the office, shop floor, hangar, or tarmac.

OTHER NEWS

Avionica, one of the leading providers of connected aircraft solutions for powering secure data and communications, has obtained a new FAA Supplement Type Certification (STC) approval. This STC approval covers its new avCM LTE wireless high-performance LTE cell module. The avCM LTE provides state-of-the-art support. When the LTE avCM is paired with an Avionica miniQAR (Quick Access Recorder) or avRDC MAX (Remote Data Concentrator), the Avionica avCM LTE seamlessly transfers recorded aircraft data from the aircraft automatically to aircraft operators within minutes after landing. Additionally, the Avionica avCM LTE is faster than its predecessor. It is capable of transfers speeds up to 600 Mbps downlink and 150 Mbps uplink by utilizing an LTE cellular transceiver. The avCM LTE is approved on almost 400 aircraft models and installs on most aircraft with minimal modifications. When installed with the miniQAR the total weight is less than ten ounces. This monumental development comes at a critical time in aviation history. With the upcoming 3G network shutdown looming ahead, Avionica has taken proactive measures and released the avCM LTE. This release will provide enhanced support to existing and new customers with wireless flight data transfers in a "post-worldwide 3G network". ACE Suite offers an efficient learning process that also provides customers with significant time savings off high-level devices training. Users can enjoy better knowledge retention and continuous skills reinforcement. ACE Suite is approved by EASA and in line with ICAO regulations.

StandardAero is unveiling the industry's first four-axis autopilot available for retrofit on AS350 helicopters with demonstration flights at the 2022 HAI/Heli-Expo. The autopilot, developed in partnership with **Thales** and known as StableLight, is equipped in an AS350 test rotorcraft which will be located at the Dallas Kay Bailey Hutchinson Convention Center Vertiport and available for onsite customer demo flights during the exposition. StableLight is currently in the process of certification. StandardAero anticipates that the StableLight Supplemental Type Certification (STC) will receive FAA certification this summer and shortly thereafter, the STC will also be approved by EASA and Transport Canada.

INDUSTRY PEOPLE



Andy Jones

Acro Aircraft Seating has appointed **Andy Jones** as Technical Director, with immediate effect. Latterly Head of New Product Development at Acro, Jones has been with the organisation since 2016 when he took up the post of Engineering Manager, bringing extensive design and development experience gained within aircraft seating as well as the automotive and industrial equipment sectors. Within Acro, Jones has brought his expertise to bear on projects across Economy, Premium Economy and Business Class, successfully delivering complex customer programmes, including high levels of customisation and collaboration with airline product and operational teams. In particular he redefined and further streamlined the company's new product introduction process, shortening time to market and supporting Acro's well known agility within the increasingly fast-moving global market.



Bert Selis

Bert Selis has joined Worldwide Flight Services (WFS) in the new role of VP Business Development, E-commerce, Express & Freight Forwarders EMEA, based in Liege, Belgium. Selis has close to 20 years' experience in business development and sales in the air cargo and aviation industry. He has spent the last nine years working for Liège Airport, one of Europe's biggest air cargo hubs, most recently as Vice President Cargo & Logistics, where he was responsible for the growth of the airport and attracting key global cargo players to Liege. He started his career in the cargo handling department of the former Belgian flag carrier Sabena and later moved to Swissport. He also served as a business development manager with the road transport and logistics company, H. Essers and as Global Sales Leader with international flight academy, CAE. In his new role, reporting to **Marc Claesen**, WFS Senior Vice President Commercial EMEA, Selis will support the company's EMEA commercial team in expanding WFS' strategic focus on e-commerce, express and freight forwarder activities in the region.



David Lavorel

The SITA Board has announced the appointment of **David Lavorel** as the company's new CEO. Under his leadership and vision, SITA will continue to lead a strategic change for the industry, helping its customers implement digitalised and smart solutions. Over the past 20 years at SITA, Lavorel has served in a range of senior roles, most recently as CEO of SITA at Airports and Borders. He also served as CEO of SITA for Aircraft, where he pursued a strategy to extract the full potential of the connected aircraft for SITA's airline customers. As Senior VP Corporate Development and Head of the CEO office, Lavorel's responsibilities included executing the company's growth and development plans. He replaces former CEO **Barbara Dalibard** who has left SITA after five years at the helm.

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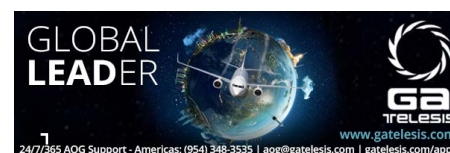
THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	FPG Amentum	V2527M-A5	3705	2008	Now	Sale / Lease	Eoin Kirby	eoin.kirby@fpg-amentum.aero	+353 86 027 3163
A319-100	BBAM	CFM56-5B5/P	2119	2004	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-100	BBAM	CFM56-5B5/P	2283	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A319-100	ORIX Aviation	CFM56-5B5/3	5018	2012	Now	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A319-112	Deucalion Aviation Limited	CFM56-5B63	3586	2008	Q2/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A319-131	Deucalion Aviation Limited	V2522-A5	2375	2005	Q2/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320	Deucalion Aviation Limited	CFM56-5B4/P	1571	2001	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-200	BBAM	V2527-A5	2587	2005	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A320-232	Deucalion Aviation Limited	V2527	4323	2010	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-232	ALTAVAIR	V2527-A5	4621	2011	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
A320-232	Willis Lease	V2527-A5	6865	2016	Now	Sale / Lease	Chris Giles	cgiles@willislease.com	+44 1656 754 788
A320-232	Willis Lease	V2527-A5	7163	2016	Now	Sale / Lease	Chris Giles	cgiles@willislease.com	+44 1656 754 788
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Now	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
A321-200	GA Telesis	V2533-A5	2255	2004	Q2/2022		David Byrne	aircraft@gatelesis.com	+353 86 780 8974
A321-200	GA Telesis	V2533-A5	2261	2004	Q2/2022		David Byrne	aircraft@gatelesis.com	+353 86 780 8974
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	ORIX Aviation	Trent 772B-60	1306	2012	Now	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A330-200	ORIX Aviation	Trent 772B-60/16	1289	2012	Now	Sale / Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A330-200	Deucalion Aviation Limited	CF6-80E	814	2007	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-200 (5x)	ALTAVAIR	Trent 772B-60/16	various	06-14	Q1/2022	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
A330-300	ALTAVAIR	CF6-80E1A3	1580	2014	Q1/2023	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
A330-200	Doric	Trent 772B-60/16	1407	2013	Now	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-300	BBAM	Trent 772B-60	1562	2014	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	CF6-80E1A3	1300	2012	Apr 2022	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	Deucalion Aviation Limited	Trent 772B-60	1559	2014	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A330-300	Deucalion Aviation Limited	Trent 772B-6	1146	2010	Q3/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-700	BBAM	airframe only	32414	2003	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-8	Orix Aviation	CFM LEAP-1B	42825	2017	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42826	2017	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42827	2017	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42828	2017	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42829	2017	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42830	2017	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42831	2018	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42832	2018	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42833	2018	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	42835	2018	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	63971	2018	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-8	Orix Aviation	CFM LEAP-1B	64992	2018	Q1/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-800	BBAM	CFM56-7B24/3	34905	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800	Deucalion Aviation Limited	CFM56-7B27/3	37254	2011	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B737-800	ORIX Aviation	CFM56-7B24E	40318	2012	Q2/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-800SF	GA Telesis	CFM56-7B24	33003	2002	Q2/2022	Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451



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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft (cont.)

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-200ER	BBAM	GE90-90B	29004	1998	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-200ER	BBAM	GE90-94B	32721	2007	Q2/2023	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-200ER	BBAM	GE90-94B	35295	2007	Q2/2023	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	BBAM	GE90-115BL2	37898	2012	Apr 2022	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER (8x)	ALTAVAIR	GE90-115B		06-13	Q1/2022	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200	Regional One	CF34-3B1	7925	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7926	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7937	2004	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200	Regional One	CF34-3B1	7941	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ER	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200ER	Regional One	CF34-3B1	8059	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ-200LR	Regional One	CF34-3B1	7625	2002	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15215	2009	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900	Regional One	CF34-8C5	15207	2008	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900ER	Regional One	CF34-8C5	15111	2007	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
CRJ900ER	Regional One	CF34-8C5	15115	2007	Now	Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4042	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
DHC8-Q400	Regional One	PW150A	4100	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007	145508	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ-145LR	Regional One	AE3007	145515	2001	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
ERJ170-100LR	Regional One	CF34-8E5	17000093	2005	Now	Sale / Lease	Kurt Brulisauer	kbrulisauer@regionalone.com	+1 (404) 542-5320
SAAB 2000	Jetstream Aviation Capital	AE2100A	031	1996	Now	Sale / Lease	Donald Kamenz	dkamenz@jetstreamavcap.com	+1 (305) 447-1920 x 115
SAAB 340B CRG	Jetstream Aviation Capital	CT7-9B	224	1990	Nbow	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
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3A	Now - Sale / Lease				
(2) CF34-10E6 Full QEC	Now - Sale / Lease	DASI	Joe Hutchings	joe.hutchings@dasi.com	+1 954-478-7195
(1) CF34-10E5A1 Full QEC	Now - Sale / Lease				
(5) CF34-10E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF34-8C5A1	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) CF34-8C5B1	Now - Sale/Lease/Exch.				
(3) CF34-8E5A1	Now - Sale/Lease/Exch.				
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717

Engine Lease Finance

RegionalOne



THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CF6-80E1A4B	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
(1) CF6-80E1A3	Now - Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(2) CF6-80E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF6-80C2B1F	Now - Sale/Exchange	Chromalloy Asset Management	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) CF6-80C2B1F	Q3/2021 - Sale/Exchange				
(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) CFM56-5B4/P (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0787
(1) CFM56-5B5/P	Now - Lease				
(1) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B2/P	Now - Lease				
(2) CFM56-7B26 (full QEC)	Now - Lease				
(1) CFM56-7B24	Now - Lease				
(5) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(6) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P	Now - Lease				
(4) CFM56-7B24/E	Now - Lease				
(2) CFM56-7B24	Now - Lease				
(2) CFM56-7B26	Now - Lease				
(1) CFM56-7B26E	Now - Lease				
(1) CFM56-5C4	Now - Lease				
(6) CFM56-5B4/P	Now - Lease				
(2) CFM56-7B26/3	Now - Lease				
(3) CFM56-7B26	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(4) CFM56-5B5/P	Now - Sale / Lease				
(2) CFM56-5B6	Now - Sale / Lease				
CFM56-5 (all thrust levels)	Now - Sale / Lease	Contrail Aviation Support	Steve Williamson	steve@contrail.com	+1 720-276-5966
CFM56-7 (all thrust levels)	Now - Sale / Lease				
(2) CFM56-7B22	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(multiple) CFM56-5B	Now - Sale / Lease	CFM Materials	Josef Noebauer	josef.noebauer@cfmmaterials.com	+1 469-628-3756
(multiple) CFM56-7B	Now - Sale / Lease				
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B24/E	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P (u/s)	Now - Sale	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-7B22/3	Now - Lease				
(1) CFM56-5B4/P	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
(1) CFM56-5B3/P	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) CFM56-5B6/P	Now - Sale/Lease/Exch.				
(1) CFM56-7B27	Now - Sale/Lease/Exch.				
GE90 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) GE90-94B	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) GE90-115BL (Propulsor)	Now - Lease				
(2) GE90-90B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(2) LEAP-1A33	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(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) PW4062-3	Now - Sale / Exchange	Chromalloy Asset Management	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) PW4060-3	Q3/2021 - Sale/Exchange				
PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease				
PW124B	Now - Lease				
PW123B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW150A	Now - Lease				
PW127M	Now - Lease				
PW150A RGB	Now - Lease				

THE AIRCRAFT AND ENGINE MARKETPLACE

PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(2) PW150A	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(7) PW127M	Now - Sale/Lease/Exch.				
(1) PW121	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(1) PW123	Now - Sale/Lease/Exch.				
(1) PW127F	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.	Regional One	Duane Butler	dbutler@regionalone.com	+1 561-809-0001
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(2) Trent 772B-60	Q1/2022 - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(2) Trent 772C-60	Q1/2022 - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) Trent 556-60	Now - Sale/Lease/Exch.				
(1) Trent 772B-60	Now - Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(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
(3) V2522-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(3) V2524-A5	Now - Sale/Lease/Exch.				
(3) V2527-A5	Now - Sale/Lease/Exch.				
(3) V2527E-A5	Now - Sale/Lease/Exch.				
(3) V2527M-A5	Now - Sale/Lease/Exch.				
(3) V2530-A5	Now - Sale/Lease/Exch.				
(2) V2533-A5	Now - Sale/Lease/Exch.				
V2500 (all thrust levels)	Now - Sale / Lease	Contrail Aviation Support	Steve Williamson	steve@contrail.com	+1 720-276-5966
(2) V2533-A5	Now - Sale/Lease/Exch.	Chromalloy Material Solutions	Hema Krishan	Hkrishan@chromalloy.com	+1 845-587-7102
(1) V2527-A5	Now - Sale/Lease/Exch.				
(2) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) V2527-A5	Now - Lease				
(2) V2527-A5	Now - Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(1) V2527-A5	Now - Sale / Lease	Castlelake	Stuart MacGregor	Stuart.macgregor@castlelake.com	+44 207 190 6138
(1) V2533-A5	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaiair.com	+1 786 785 0788
(2) V2522-A5	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(2) V2527-A5	Now - Lease				
(2) V2527-A5	Now - Sale/Lease/Exch.	Magellan Aviation Group	Bradley Hogan	bradley.hogan@magellangroup.net	+1 980.256.7120
(2) V2533-A5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) V2527E-A5	Now - Lease				
(1) V2527-A5	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) GTC331-500B Trent 892B-17 Modules	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
(2) GTC331-200ER, (2) GTC331-9A, (1) GTC331-9B (1) A321 Enhanced Landing Gear 2020 OH	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
GE90-115B – Fan Stator Module – P/N 2115M15G04		Altavair	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
(1) A320 ENH NLG, (2) A340 Landing Gear Shipsets		GA Telesis		landinggearsales@gatelesis.com	
Neutral CFM56-7B QEC Kit	Now - Sale	CFM Materials	Josef Noebauer	josef.noebauer@cfmmaterials.com	+1-214-988-6676
GTC331-9A (2), GTC331-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTC331-200, GTC331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(1) RE220, (1) APS3200, (1) GTC331-9A	Now - Sale / Lease	Magellan Aviation Group	Drew Megorden	drew.megorden@magellangroup.net	+1 704-340-0273
(1) GTC331-9B, (1) GTC331-500B	Now - Sale / Lease				
(1) GTC331-9B, (1) GTC331-9A	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(1) GTC331-500B	Now - Sale/Lease/Exch.				
(2) GTC331-350, (2) APS2300	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
(1) APS3200, (1) GTC331-9B					
((1) GTC331-200ER, (2) RE220RJ (2) GTC331-150RJ	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 954-683-1893
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(4) GTC331-9A, (1) GTC331-200, (2) GTC331-9B, (1) GTC331-200		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(2) GTC331-350, (1) GTC331-500, (1) APS3200B, (2) APS3200C					
Engine stands: CF6-80C2, CFM56-3, CFM56-5A/B/C, PW4000			Ricky Torres	stands@gatelesis.com	+1-954-676-3111
(2) APU GTC331-9B	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@lh aero.com	+49-6731-497-368