

Weekly Aviation Headline News

WORLD NEWS

Airbus delivers first SLS capable A320 to easyJet

Airbus has delivered the first Airbus A320neo equipped with the latest Satellite Based Landing System (SLS) technology to long standing customer easyJet. SLS enables pilots to perform 'straight-in' approaches using satellite precision when coming into land at airports, without the need for additional ground-based systems such as ILS, even in low-visibility conditions, while saving fuel and reducing emissions.

TDA secures two A319s for part out

TDA has secured two additional A319s for part-out, MSN2184 and 2245 are currently due for disassembly by eCube in St. Athan, Wales. With this project, TDA counts 24 A319 teardown projects since MSN1145 in 2016, all to ensure continuous supply to the end-users and MRO shops. The disassembly process of MSN2245 has started. MSN2184 will directly follow afterwards. The majority of the high-demand components will be removed. A part of these items will be evaluated for possible repairs or modifications.

Ukraine-owned Antonov Airlines is continuing operations

Antonov Airlines working with Chapman Freeborn Germany has successfully completed three AN-124-100 flights to transport a new mobile gas power plant generator and associated equipment from Ljubljana, Slovenia, to Kano, Nigeria. The delivered cargo, including generator, turbine and additional equipment, weighed about 200 tonnes. The project has been a year in the making.



North America business travel was back at 85% of 2019 levels.

Photo: DFW

Airline performance improves

While observing major regional variations

During its latest webinar, aviation consultancy firm **IBA** has outlined how the overall performance of the airline industry is improving but highlighted a significant variance between different global regions.

Despite the additional pressures on airlines from the crisis in Russia and Ukraine, IBA forecasts that the industry will fully recover from the effects of the Covid pandemic by early 2024.

Using data from IBA insight, IBA's intelligence platform, it has identified a positive momentum in the capacity outlook for summer 2022 and beyond. While airline capacity in Q1 2022 was roughly 24% lower than 2019, IBA predicts that Q3 will be roughly

7-10% lower.

Looking at airline performance across different regions, Western Europe to Asia flights continue to remain behind 2019 levels, at just 50% of Q3 2019 traffic. The cautious reopening in the APAC region has held back the region's recovery, while Russian airspace limitations from April into May have added to this disruption as airlines trimmed their schedules. Hong Kong is the standout airport most impacted, with their Q2/Q3 scheduled seats 80% lower than 2019. IBA notes that Cathay Pacific remains well supported, while Hong Kong Airlines has asked A330 pilots to take unpaid leave.

By contrast, in North America,

as Covid restrictions have eased further, business travel was back at 85% of 2019 levels in March 2022. IBA analysed the top 100 largest airports by seat capacity in 2019. The recovery hotspots were primarily found on the U.S East Coast and key Indian cities. Miami in particular has benefitted from strong domestic flight activity and Latin America recovery, with Q2/Q3 traffic 20.3% ahead of 2019 levels.

Looking at valuation trends and trading activity, IBA identified that the number of aircraft in storage with their airline owners has decreased substantially from over 3,000 in 2020 to under 2,000 in 2022 but there has been

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...continued from page 1

an increase in the age of stored aircraft as younger types are returned to service.

In terms of valuations, Boeing 737 MAX and Airbus A320neo aircraft values have recovered while A330s and 777s currently

remain suppressed. Conversions to freighter aircraft will help A330 and 777 values, but high storage levels and oversupply remain an issue and make impairments more likely. This was recently evidenced by the US\$34.4

impairment charge Finnair took on four A330-300s due to the impact of the Russian crisis.

AIRCRAFT & ENGINE NEWS

ALC places three new Airbus A321neo aircraft on lease to LATAM Airlines

Air Lease Corporation (ALC) has announced long-term lease placements for three new Airbus A321neo aircraft with LATAM Airlines. The aircraft are scheduled to deliver to LATAM in summer and fall of 2023 from ALC's orderbook with Airbus. "We are pleased to announce the long-term leases of three new Airbus A321neo aircraft to the largest airline in South America: LATAM Airlines," said Steven Udvar-Házy, Executive Chairman of Air Lease Corporation. "This is another important step in LATAM's fleet modernisation and network strategy optimisation." LATAM is Latin America's leading airline group, with presence in five domestic markets in South America: Brazil, Chile, Colombia, Ecuador and Peru, along with international operations within Latin America and to Europe, U.S. and the Caribbean. The group operates a fleet including Boeing 787, Airbus A350, A321, A320neo and A319 aircraft, the most modern models of their kind.

Norwegian places order for 50 Boeing 737 MAX 8 aircraft



Photo: Norwegian has placed an order with Boeing for 50 737 MAX 8 aircraft with options for an additional 30 aircraft

Norwegian Air Shuttle ASA has reached an agreement in principle with Boeing for a recommitment to purchase 50 Boeing 737 MAX 8 aircraft. The agreement also includes options for an additional 30 aircraft. The 50 aircraft are due to be delivered between 2025 and 2028, at a schedule closely corresponding to current

aircraft lease expirations. This entails a limited net increase of the company's current fleet. The parties' agreement in principle is subject to various closing conditions, which are targeted to be concluded by the end of June 2022. The company intends to finance the outstanding balance of pre-delivery payments through positive cash flow from operating activities. A significant share of the aircraft will be owned by the company, ensuring an optimised and balanced aircraft financing structure. Subsequent to the conclusion of these agreements, Norwegian estimates to record a net gain of approximately NOK 2 billion (£167 million).

Elix Aviation delivers one Dash 8-300 aircraft to Kenia-based ALS Ltd



Photo: Elix Aviation has delivered one Dash 8-300 aircraft to ALS Ltd

Regional aircraft leasing platform Elix Aviation has delivered one Dash 8-300, MSN 375, on lease to ALS Ltd in Kenya. With this new delivery, Elix Aviation continues to expand its sales/leasing and asset management services in the African market. ALS Ltd is an aviation company based at Wilson Airport Nairobi. With a fleet of 31 aircraft (ten Embraer jets, 13 Dash 8 100/200/300s, five Beech-1900Ds and three C208Bs), ALS Ltd is offering a range of customised and comprehensive aviation solutions for the benefit of humanitarian operations, airlines, oil/ resource exploration and VIP clientele.

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AIRCRAFT & ENGINE NEWS

Emirates SkyCargo expands capacity with delivery of new freighter



Photo: Unloading of Emirates SkyCargo's new Boeing 777 freighter

Emirates SkyCargo has received delivery of a new Boeing 777F aircraft. This latest addition takes its dedicated 777 freighter fleet to 11 aircraft. From Boeing's Paine Field in Seattle, A6-EFT headed to Hong Kong to pick up its first load before touching down on May 28, at its new home, Dubai World Central, with a full load of freight consisting of electronics, consumer goods and general cargo. Nabil Sultan, Divisional Senior Vice President, Emirates SkyCargo said: "Our newest freighter adds welcome capacity to our operations, which have been running at full steam throughout the pandemic to serve our customers and keep global supply chains moving. We are scheduled to receive delivery of a second 777F in June. And in 2023 we will begin a programme to convert four passenger 777 aircraft into freighters and all of the converted aircraft will be re-delivered by end 2024.

Sky High takes delivery of first of two Embraer E190s

Sky High Aviation (Sky High), an airline based in the Dominican Republic, has taken delivery of its first Embraer E190 passenger jet – becoming the only E-Jet operator based in the Caribbean. The first of two E190s being provided by regional aircraft lessor, TrueNoord, arrived last week at Las Americas José Francisco Peña Gómez airport after transition works were completed at Embraer's MRO facility in Macon, Georgia, U.S.A. The second E190 is to be delivered to Sky High this month. The addition of the E190s will bring a new level of comfort for passengers and open new international routes from the region. Sky High currently operates a fleet of two 50-seater Embraer ERJ 145s flying to ten island destinations in the Caribbean. The E190s have been configured in a comfortable dual-class layout with 98 seats and will serve Sky High's existing destinations as well as new international routes to the United States, Central and South America.



Sky High has taken delivery of its first E190 jet

Photo: Embraer

AIRCRAFT & ENGINE NEWS

Nakanihon Air's H215 helicopter performs first-ever flight with SAF in Japan



NNK H215 helicopter performs first flight with sustainable aviation fuel

Photo: Airbus

Airbus Helicopters in Japan and Japan's helicopter operator Nakanihon Air (NNK) have jointly performed the country's first-ever helicopter flight powered with sustainable aviation fuel (SAF). NNK's H215 helicopter conducted a 30-minute flight at Nagoya Airport in Aichi Prefecture on June 1. The aircraft was fuelled with 600 litres of "SUSTEO 10", a renewable jet fuel produced by Japan's first biofuel manufacturer Euglena, which has met the specifications of both international and Japanese standards of diesel fuels ASTM D1655 and JIS K 2204 respectively. SUSTEO contains 10% of SAF mixed with Jet A-1. The twin-engine, heavy-lift H215 is a member of the Super Puma helicopter family, known for its high availability rate, performance and competitive operating cost. Today, all Airbus helicopters are certified to fly with up to a 50% blend of SAF mixed with kerosene, with the aim to reach 100% SAF in coordination with engine manufacturers.

An Airbus H225 performed the first ever helicopter flight with 100% SAF powering one of the Safran Makila 2 engines in 2021. Helicopter operations with 100% SAF would translate to a reduction of 80% in CO2 emissions.

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MRO & PRODUCTION NEWS

Eve partners with Porsche Consulting to define eVTOL global manufacturing, logistics and supply chain strategy

Eve Holding (Eve), a leader in the development of next-generation Urban Air Mobility (UAM) solutions has chosen Porsche Consulting to help define the eVTOL (electric vertical take-off and landing) supply chain, global manufacturing and logistics macro strategy. Considering advanced manufacturing research and innovation, the companies will combine their aeronautic and automotive expertise to support Eve's implementation plan. The master services agreement that has been entered into by and between the companies includes studies on industrial operation, logistics, supply chain and parts distribution in an unprecedented approach optimised for efficiency, productivity and safety. The study will address scalability and distributed production as the UAM market evolves to meet projected demand. While digital transformation generates new possibilities for the industry's use of more agile technologies focusing on business and sustainability goals, comprehensive network solutions are under consideration to meet unique industry needs.

Bii purchases significant Boeing 747/8, 767/777 modern spares inventory from Aircraft Finance Germany

Bii.aero, a leading provider of aircraft parts and services for the commercial aviation sector, has acquired a significant portion of Aircraft Finance Germany's (AFG) inventory of enhanced Boeing spares, many of which are interchangeable between Boeing 747-8, 767 and 777 aircraft types. The materials, including high-ticket rotatable components, will have been integrated into Bii's stock before the end of May following full inspection and fresh tags. Francis Cradock, Bii's CEO, says the stock purchase will sit favourably with the organisation's globally located consignment packages. "We're focused on providing customers with the right component support that helps to deliver their operational efficiency. Many airlines are re-evaluating how best to manage their MRO requirements, so we've been working with a number of partners to strategically locate consignment stock and supplement that with repair management expertise. Airlines can then concentrate on rebuilding their route networks and outsource the ongoing maintenance and repair of all spare parts to us. Alongside this we need to constantly enrich our stock with high-quality modern parts for both Boeing and Airbus platforms so that we can also meet the ad hoc customer needs of those looking to buy or exchange parts. The material from AFG fits our purchasing criteria perfectly."

AIRCRAFT & ENGINE NEWS

Jackson Square Aviation delivers two new Airbus aircraft to Cebu Pacific Air



Cebu Pacific Air Airbus aircraft

Photo: JSA

Jackson Square Aviation (JSA) has reported the recent delivery of one Airbus A321neo and one Airbus A320neo to Philippine low-cost airline Cebu Pacific Air (Cebu). With the integration of these two aircraft, JSA now has four aircraft under long-term leases with the airline, representing a strong growing partnership between the two companies.

Atlas Air takes delivery of first of four B747-8 freighters



Photo: Atlas Air has taken delivery of its first B747-8 freighter, which will operate on behalf of Cainiao

Atlas Air has taken delivery of a Boeing 747-8 freighter, which will operate on behalf of its customer Cainiao, the logistics arm of Alibaba Group, as part of a previously announced long-term agreement. The aircraft will increase capacity on routes between China and the Americas. This aircraft is the first of four new 747-8 freighters that Atlas expects to receive from Boeing this year. Atlas' investment in these new aircraft underscores its commitment to environmental stewardship through the reduction of aircraft emissions, resource consumption and noise. The iconic Boeing 747 programme has been in operation for over 50 years and will continue to play a critical role in keeping global supply chains moving for decades to come. The 747-8 is the only factory-built freighter with nose-loading capability in production, which will serve the long-term needs of the airfreight market.

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FINANCIAL NEWS

Kaman Corporation has entered into a definitive IBC Advanced Alloys reports continued profitability in the quarter ended March 31, 2022

IBC Advanced Alloys has reported its financial results for the quarter ended March 31, 2022. IBC booked another profitable quarter with comprehensive income of US\$287,000 in the quarter, a 107% increase over comprehensive income of US\$139,000 in the prior-year period. This quarter's success marks IBC's second consecutive quarter of profitable operations. Consolidated sales of US\$6.3 million in the quarter increased by 16.0% over the prior-year period and were higher by 38.8% in the nine months ended March 31, 2022, over the comparable prior-year period. Consolidated adjusted earnings before interest, taxes, depreciation, and amortisation (Adjusted EBITDA) for the quarter ended March 31, 2022, was US\$854,000, a 24.5% increase from US\$686,000 in the comparable prior-year period. In the nine months ended March 31, 2022, adjusted EBITDA of US\$2.2 million jumped 157.4% from US\$838,000 in the prior-year period. (£1.00 = US\$1.26 at time of publication).

SAS' second-quarter loss narrows, looks to raise new equity

During the second quarter, SAS has seen the highest number of passengers since the pandemic started. Meanwhile, work on the necessary transformation plan, SAS FORWARD, continues. Passengers flying with SAS increased 28% compared to the previous quarter and the flown load factor reached approximately 67%, up 11 percentage points compared with the earlier quarter while capacity increased by 3% compared to the first quarter. The transformation of SAS has to continue to adapt to the new market conditions in order to be able to remain flexible, competitive and financially strong for the long-term future. Earnings before tax ended at negative SEK 1.6 billion, an improvement of SEK 1.0 billion compared with the previous quarter, or a SEK 0.7 billion improvement year-on-year. Ticket sales continue to increase ahead of the summer period and SAS is targeting 80% capacity deployment compared to summer 2019. Total operating expenses during the quarter ended at SEK 7.8 billion and total operating revenue landed at SEK 7.0 billion for the quarter. Total revenue increased 27% compared to the first quarter, an improvement of approximately SEK 5.1 billion compared with last year, but still 31% below the second quarter in 2019, which was unaffected by COVID-19. The cash balance at the end of the quarter was SEK 8.5 billion. At end of the first quarter of FY2022 the cash balance was SEK 3.4 billion. Operational cash flow during the quarter

MRO & PRODUCTION NEWS

TCab Tech partners with Safran on electric motors for the E20 eVTOL



E20 full-electric eVTOL aircraft

Photo: TCab Tech/Safran

Safran Electrical & Power and TCab Tech, an eVTOL (electric vertical take-off and landing) aircraft company in China, have signed a cooperation agreement to equip the E20 full-electric eVTOL aircraft with ENGINEUSTM electric smart motors. TCab Tech is currently developing E20, a five-seater passenger-carrying eVTOL aircraft equipped with six rotors – four tilt and two lift rotors – and a high gull-wing with a conventional tailplane design. The eVTOL is targeting a maximum design range of 200 km and a cruising speed of 260 km/hour. Safran Electrical & Power will supply all six ENGINEUSTM electric smart motors. CAAC (Civil Aviation Administration of China) certification for the E20 is expected by 2025. The ENGINEUSTM product line includes a broad range of electric motors with power outputs from single digit to 500 kW. The ENGINEUSTM 100, that will equip the E20, delivers more than 100 kW at take-off and features a fully integrated motor controller within the machine. The thermal management is provided by an optimised air-cooling system. The certification of the electric motor is planned for mid-2023.

Gulfstream to add more than 200 new positions at Appleton, Wisconsin facility



Photo: Gulfstream paint hangar rendering

Gulfstream Aerospace is investing more than US\$55 million (£43.6 million) and hiring for more than 200 new positions at its Appleton, Wisconsin, facility to meet customer demand and growth in its fleet. The new investment is a continuation of expansion across the company, including new facilities in Fort Worth, Texas, and Mesa, Arizona and an expansion of its Customer Support call centre in Farnborough, England. Gulfstream is constructing a world-class aircraft paint facility in Appleton which is set to begin operations in the third quarter of 2023. The custom-designed, 73,000 ft²/6,782 m² facility uses a proprietary paint booth design developed by Gulfstream in conjunction with Wisconsin-based paint booth manufacturer Global Finishing Solutions. The new facility will have the ability to paint up to 48 aircraft per year and will allow Gulfstream to perform the entire aircraft completions process start-to-finish in Appleton. The company has recently made several enhancements to the facility to improve customer and employee experiences. Investments include a new office area for completions' customers and pilots, a new wood finishing area, an upgraded shipping and receiving area and a completions hangar featuring an employee entrance, breakroom, and lockers.

FINANCIAL NEWS

amounted to SEK 2.5 billion, compared with SEK -1.4 billion for the same period last year. In addition to debt conversions, SAS is looking for alternatives to raise new equity. SAS will seek to raise not less than SEK 9.5 billion in equity capital. The planned SEK 9.5 billion or more equity raise is expected to provide sufficient liquidity to fund operations through the full implementation of SAS FORWARD and the recovery in passenger demand post COVID-19. It is currently expected that a significant share of such new equity will likely be sought from new investors. The new equity capital and debt-to-equity conversions contemplated as part of SAS FORWARD will entail substantial dilution to existing shareholders. (£1.00 = SEK12.29 at time of publication).

Re-organised Nordic Aviation Capital poised for growth

Nordic Aviation Capital Designated Activity Company (NAC or the Company) has successfully exited from the Chapter 11 restructuring process, having received confirmation of its Plan of Reorganization from the Bankruptcy Court on April 19, 2022. The Company emerges well-positioned for the future having eliminated nearly US\$4.1 billion of debt, while significantly enhancing its liquidity, with access to approximately US\$537 million in additional capital to fund operations and growth opportunities. Since September 2021, NAC has focused on four key strategic initiatives, including right sizing the balance sheet, driving organisational change, stabilising the portfolio and pivoting towards growth. Progress has been made across all initiatives and the Company is on track for recovery and growth, supporting its aim to remain the global leader in regional aircraft leasing and expand into adjacent single-aisle areas by leveraging its world-class asset management platform. As outlined in NAC's Plan of Reorganization, NAC has appointed a new board of directors effective immediately. The board will be led by Chairman Klaus Heinemann and President & CEO Norman C.T. Liu with the support of non-executive directors Justin Bickle, Patrick Blaney, Martin Cooke, Paul O'Donnell, Catherine Duffy and Dermot Mannion. The exit follows recent rating announcements for the Company. S&P assigned Issuer Credit Ratings of 'B' to Nordic Aviation Capital DAC and Nordic Aviation Capital 29 and a 'B' issue-level rating to Nordic Aviation Capital 29 Senior Secured Notes and Senior Secured Term Loan B, with a stable outlook. Moody's assigned a Corporate-Family Rating of 'B2' to Nordic Aviation Capital DAC and a 'B2' issue-level rating to Nordic Aviation Capital 29 Senior Secured Notes and Senior Secured Term Loan B, with a stable outlook.

Altavair closes sale and leaseback of four Airbus A220-300 aircraft with airBaltic



airBaltic Airbus A220-300 aircraft

Photo: AirTeamImages

Altavair, a global leader in commercial aviation finance, has announced the closing of a sale and leaseback with airBaltic for four Airbus A220-300 aircraft. The acquisition was funded by funds and accounts managed by KKR, with Altavair acting as servicer on the assets. "We are pleased to support airBaltic with this transaction," said Matt Hoesley, Head of Acquisitions and Investments for Altavair. "We are very excited about our new relationship with Latvia's flagship airline and look forward to working with airBaltic as it continues to play an important role in European aviation." These aircraft are the first Airbus A220 models to be managed by Altavair, which has serviced and leased over thirty variants of primarily Boeing and Airbus aircraft since its inception.

Aergo Capital announces successful financing of five Dash 8-Q400 aircraft with volofin



Porter Airlines Dash 8-Q400

Photo: Aergo Capital

Aergo Capital (Aergo) has secured a US\$17.5 million loan facility from volofin to assist in the finance and acquisition of five De Havilland Dash 8-400 aircraft on lease to Porter Airlines. Fred Browne, Chief Executive Officer of Aergo, commented: "We are delighted to have successfully completed the financing of the five turboprop aircraft on lease to Porter Airlines. Aergo is very happy to complete this third financing transaction with volofin and we are looking forward to doing more business together in the future". Stewart Tanner, Senior Managing Director at volofin, said: "We are very pleased to have worked with Aergo and Porter with their respective legal teams, and to further grow our relationship with the team at Aergo". Smith, Gambrell & Russell, LLP acted as lead counsel to Aergo. Clyde & Co acted as lead counsel to volofin.

FINANCIAL NEWS

Frontier Airlines and Spirit Airlines announce amended merger agreement

Spirit Airlines and Frontier Group Holdings, parent company of Frontier Airlines, have announced an amendment to their previously announced merger agreement dated February 5, 2022. Under the terms of the amended merger agreement, which has been unanimously approved by the boards of directors of both companies, Frontier would pay a reverse termination fee of US\$250 million, or US\$2.23 per share, to Spirit in the unlikely event the combination is not consummated for antitrust reasons. William A. Franke, the Chair of Frontier's Board of Directors and the managing partner of Indigo Partners, Frontier's majority shareholder, said, "We continue to believe in the strategic rationale of a combined Spirit and Frontier, which brings together two complementary businesses to create America's most competitive ultra-low-fare airline. Given our conviction that regulators will find this combination to be pro-competitive, we have agreed to institute a reverse termination fee. We look forward to bringing these two companies together and delivering on the benefits for all stakeholders." Ted Christie, President and CEO of Spirit, said, "Since announcing our transaction with Frontier, we have had extensive constructive conversations with our stockholders, who have expressed support for the strategic rationale of our combination but a desire for additional stockholder protections. After discussing this feedback with the Frontier Board and management team, we have agreed to amend the merger agreement. We look forward to closing the transaction and bringing more ultra-low fares to more people in more places." (£1.00 = US\$1.26 at time of publication.)

MILITARY AND DEFENCE

Safran Landing Systems Canada to develop new landing gear for next-generation military aircraft

Safran Landing Systems Canada has been awarded a contract by Lockheed Martin to provide the design, development and qualification of a landing gear structure for future aircraft. This new structure will include a clean-sheet design of the nose and main landing gear. "We are honoured to work with Lockheed Martin on a high-technology value proposition for this future platform," says Deane Weatherby, President of Safran Landing Systems Canada. "Safran Landing Systems will apply its engineering expertise in structural and full landing gear systems to this project to meet demanding requirements in today's market." This

CMA demands CHC Group sell off newly acquired Babcock's UK helicopter services



Airbus H175 helicopter

Photo: Babcock

The UK Competitions and Market Authority (CMA) has concluded its investigation into the acquisition of Babcock's UK, Denmark and Australian operations by the U.S.-based operator CHC Group (CHC). As a consequence, the CMA has informed CHC it must divest itself of all UK-related oil and gas operations, citing the acquisition's adverse effect on rivalry. CHC purchased Babcock's oil and gas aviation business in September 2021 for £10 million and the demand by the CMA does not affect other elements of the business. In April this year CHC had approached the CMA with the suggestion of a partial sale of UK-based operations to help mitigate concerns the regulatory body had over a lack of competition, but this was rejected.

CHC had argued that while a perceived lack of competition may not be to the CMA's liking, the market sector is struggling with oversupply and loss-making contracts after two market downturns. Babcock posted a pre-tax loss of £383 million in 2021. CHC has stated that the merger "takes place in the context of an extremely challenging market which has gone through a prolonged downturn", in which demand has significantly declined, "leaving an over-supply of helicopters and in which the customers exercise substantial leverage over the operators". Chair of the inquiry, Kip Meek, said the sale [of Babcock's UK oil and gas operations] "will support competition in future tenders for these important services." In response to the CMA's demand, CHC said: "We are disappointed by the CMA's decision. The CMA has fundamentally failed to understand the vital need for consolidation in what is a highly challenging market environment. With that said, we are looking forward to integrating the Australia and Denmark business at the appropriate time. "We will be analysing the CMA's Final Report in more detail before deciding on next steps. In the meantime, our operation continues as usual with a continued focus on delivery of safe and efficient services to our customers."

INFORMATION TECHNOLOGY

Collins Aerospace is advancing digital aviation solutions that will make flights more efficient and sustainable with FlightHub, its new Electronic Flight Folder accessible from an aircraft's Electronic Flight Bag (EFB). FlightHub centralises data sources and workflows for pilots and airlines, coordinating the lifecycle of an entire flight from start to finish. Collating information into a



Photo: Collins Aerospace is advancing digital aviation solutions that will make flights more efficient and sustainable with FlightHub

single stream, FlightHub gives customers fast and easy access to all their flight information, from pre-flight documents, like flight plans and weather information, to post-flight summaries with actual timing and fuel burn reports. FlightHub customers will also get access to Collins' new Flight Profile Optimisation (FPO) solution that delivers real-time route recommendations throughout a flight to help reduce CO2 emissions by saving fuel and time. Set for release later this year, FPO provides flight path information taken from multiple aircraft and ground sources for more up-to-date information than what is generally obtained from the operational flight plan (OFP) and the flight management system (FMS), which can be several hours old. In aggregate, airlines using FPO could see up to 1% annual savings on fuel per year.

MILITARY AND DEFENCE

work, to include all landing gear qualification testing, will be completed by the team at Safran Landing Systems Toronto, Canada.

INFORMATION TECHNOLOGY

Aviation software specialist **Rusada** has launched its new company branding following a sustained period of success for the company. Since June 2020 the company has undergone significant internal transformation to better serve the needs of the industry. Despite the challenges presented by the COVID-19 pandemic Rusada hired over 60 new employees, delivered ten major releases of its ENVISION software along with three new apps and signed up over 15 new customers. Julian Stourton, CEO at Rusada commented: "The initial months of the pandemic were filled with uncertainty and caution as the world stopped flying. Fortunately, due to our diverse customer base of well-managed organisations we were able to regroup and begin to plan for a post-pandemic industry. We reorganised our development teams to better exploit the collective talents of our staff and used our increased capacity to further increase the performance and functionality of our software." To capitalise on this period of success and adapt for a new chapter in the aviation industry, Rusada has refreshed its brand to better reflect the company's identity and its offering. This includes a new logo, new imagery, new colour scheme and a new website. Stourton continued: "We felt that our previous branding didn't properly convey the dynamic company we have become, or the sophistication of our software. This new brand perfectly demonstrates our focus on modern technologies, streamlined solutions, and a user-friendly approach."

OTHER NEWS

IBA, the aviation industry consultant, has published its latest Aviation Industry Barometer for April 2022. IBA's data intelligence platform, IBA Insight, indicates that the recovery of global passenger flights grew by 2% in April 2022, with flight capacity at 74% relative to pre-pandemic levels. IBA's Aviation Industry Barometer for April 2022 also reveals that Europe showed strong capacity recovery in April, with flights at 79% of pre-pandemic levels. Latin/North America and Africa continue to lead the global recovery with capacity for all regions at more than 85% pre-pandemic levels. Asia Pacific flight capacity continues to show a year-on-year capacity decline – tight restrictions and lockdowns across major cities in China have hampered travel, with this trend likely to continue in the near-term. There were 82 commercial aircraft deliveries in April 2022, representing a month-on-month

OTHER NEWS



Photo: Singapore Airlines

Singapore Airlines (SIA) has unveiled its all-new flagship SilverKris and KrisFlyer Gold lounges at Singapore Changi Airport Terminal 3, following a S\$50 million (£28.9 million) re-design, upgrade and expansion project. This will further enhance the on-ground customer experience at the airline's main hub and comes as the demand for international air travel from and through Singapore takes off once again. The Private Room, the First-Class section of the SilverKris

Lounge, the Business Class section of the SilverKris Lounge and the KrisFlyer Gold Lounge can collectively accommodate around 1,150 customers within their 6,100 m², translating to 30% more seats and space. This also doubles the capacity that was available during the pandemic while the upgrading works were going on. The airline has created a sanctuary that has been thoughtfully designed to enhance the comfort and convenience of diverse groups of travellers and meet their evolving needs in the coming years. Customers will be able to enjoy world-class products and services, as well as enticing food and beverage options, around the clock at the lounges before their flight. Mr Goh Choon Phong, Chief Executive Officer, Singapore Airlines, said: "Extensive customer engagement and research have gone into the design of the new SilverKris and KrisFlyer Gold lounges. Customers will enjoy thoughtfully curated product offerings and experience the signature Singapore Airlines hospitality, all within a comfortable and restful environment, ensuring that they are refreshed and ready for their journey. Opening these lounges at this time signals our commitment to SIA's premium brand and growth strategy. It reinforces our position as Changi Airport's anchor airline and reflects our confidence in Singapore's future as a pre-eminent global air hub."

Cathay Pacific and Lufthansa Cargo have announced the addition of **Swiss WorldCargo** to their joint venture, which offers customers more direct connections, more flexibility and more time savings. Swiss WorldCargo's entry builds on the joint business agreement signed in 2016 between Cathay Pacific and Lufthansa Cargo, which allows them to collaborate on distribution, pricing, contracts and the handling of shipments between Hong Kong and Europe. Cathay Pacific and Lufthansa Cargo already work closely together on international routes through their hubs in Hong Kong and Germany, while cargo handling in Hong Kong is coordinated under one roof at the Cathay Pacific Cargo Terminal at Hong Kong International Airport. Under the expanded joint business agreement, Cathay Pacific, Lufthansa Cargo and Swiss WorldCargo will work closely together on network planning and in the areas of sales, IT and ground handling. Initially, the airlines will cooperate on routes from Hong Kong to Zurich and Frankfurt. Traffic to and from Hong Kong and the rest of Europe will be added later this year. Cargo customers will have access to the entire shared network via the booking systems of all three partners.



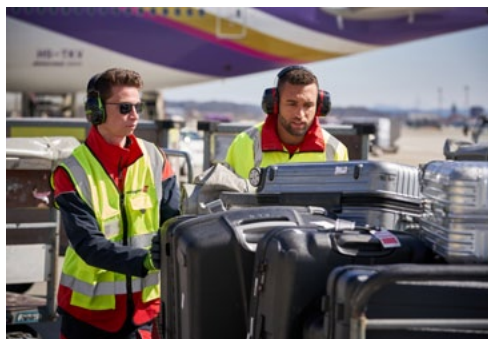
Photo: Lufthansa Cargo

OTHER NEWS

variance of -20% compared to March 2022 and a year-on-year increase of 19% compared to April 2021. Deliveries in the narrow-body category were led by the A320neo family, while wide-body deliveries were dominated by the A350 family.

Hawaiian Airlines will resume daily service between Honolulu's Daniel K. Inouye International Airport (HNL) and Tokyo Haneda Airport (HND) on August 1, 2022. Hawaiian, which today offers three weekly flights between HNL and Narita Airport (NRT) and one weekly flight between HNL and Osaka's Kansai Airport (KIX), will also bring daily service to each route in August. "Japan is the centrepiece international market for Hawai'i, and we're excited to bring back more flights and encouraged by the progressive easing of travel restrictions by the Japanese government," said Theo Panagiotoulas, Senior Vice President Global Sales and Alliances for Hawaiian Airlines. "Demand from Japan has been steady, but we anticipate strong interest for leisure travel in the coming months and look forward to welcoming more visitors safely and responsibly." Hawaiian has not yet announced dates for service resumption to Fukuoka, Sapporo and Kona-Haneda.

Ethiopian Airlines (Ethiopian) has begun nonstop flights from Dulles International Airport (IAD) to Lomé, Togo (LFW). With the inaugural flight lifting off on June 1, 2022, the route is now operating three-times a week providing



Ground handling staff

Photo: Swissport

The current shortage of ground handling staff which has been highlighted by the recovery of the commercial aviation industry has led **IATA** (International Air Transport Association) to recommend reforms to manage long-term requirements for a stable base of talent for the ground handling sector. While many left the ground handling sector of the industry as a consequence of the pandemic, now that there is a demand for their skills, a bottleneck of new staff has been created by delays resulting from the time-consuming security

clearance procedure. With the peak northern summer season rapidly approaching IATA feels that this sector should adopt a stronger acquisition strategy, streamline onboarding processes and develop a more compelling retention proposition. Consequently, the Association has put forward the following recommendations:

- An awareness campaign to highlight the attractiveness and importance of ground operations in global logistics and transport operations.
- Adoption of 25by25 campaign to help address the gender imbalance across the industry.
- Apprenticeships in partnership with trade schools to revitalize candidate pipelines.
- Career path mapping to demonstrate long-term prospects for people entering the sector.

IATA has also suggested that the current six-month time schedule for training and security clearance needs to be expedited with greater emphasis on online training and assessment, together with mutual recognition by authorities of security training and employee background records. The association has also recommended standardisation of ground operations via the IATA Ground Operations Manual which will promote flexibility in terms of relocation, reassignment and recruitment. Additionally, the adoption of new technologies and automated processes should create diverse job opportunities and career paths that will attract a new generation of talent. "An industry-wide approach to lay the foundations for more efficient talent recruitment, onboarding and retention will pay big benefits in terms of efficiency for all concerned. The cornerstone is the standardization that can be achieved with the adoption of the IGOM. Its global implementation will have a huge and positive impact in all aspects of ground handling, including talent management. The potential is to shift working in the sector from having a job to developing a career," said Nick Careen, IATA's Senior Vice President for the Operations, Safety and Security.

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OTHER NEWS

more flight options and convenient connections to the rest of Africa. The new service between IAD and LFW will help link Ethiopian's network of U.S. passengers throughout Africa. In addition to the new flights through IAD, Ethiopian has four passenger routes to the U.S., all operating outbound via Dublin or Lomé to Chicago O'Hare International Airport (ORD), Newark Liberty International Airport (EWR) and John F. Kennedy International Airport (JFK). In a typical month, Ethiopian services 21 weekly bookable departures to Africa from the U.S. A member of Star Alliance, Ethiopian currently operates more than 128 of the youngest and most modern fleet of aircraft with service to 62 cities in Africa and more than 127 international passenger and cargo destinations across five continents.

INDUSTRY PEOPLE



Lars Wagner

• MTU Aero Engines is reaffirming its commitment to social responsibility and has entrusted **Lars Wagner**, Chief Operating Officer of MTU Aero Engines AG, with the role of Chief Sustainability Officer (CSO) in

addition to his current responsibilities. Wagner is already responsible for important sustainability issues such as climate protection in development and production or supplier management. MTU has now bundled the responsibilities for other aspects of corporate responsibility management (CR management) and anchored them at the board level. In this way, MTU underscores the growing relevance of responsible action for the company. In addition to the focus on product responsibility, sustainability means much more to MTU than simply climate protection and safe flight operations. It includes resource- and environmentally friendly production and maintenance as well as fair and safe working conditions, equal opportunities for all employees, plus high-quality training and further education. Compliance is another essential part of the corporate culture and sustainability does not end at the factory gate. That's why MTU has also included the supply chain in its activities. The newly established CSO will work closely with the Supervisory Board and the other members of the Board of

OTHER NEWS

United Airlines is expanding its Flight Training Center as the airline seeks to hire an additional 10,000 pilots by 2030. The airline will add a new four-story building on the 23-acre campus in Denver's Central Park neighbourhood that will house 12 additional advanced flight simulators, training classrooms, conference rooms and offices. The expansion project is expected to be completed before the end of 2023.



Photo: United Airlines A320 flight simulator

United's campus – seven buildings, across 550,000 ft² of training space – is the sole training facility for the airline's 12,000 active pilots and all newly hired pilots. Every nine months pilots must visit the training centre to remain up to date on certifications. At any one time, there may be up to 600 pilots training at the facility. United's Flight Training Center campus currently has 39 full-motion flight simulators and 15 fixed training devices – the additional building means United will soon be capable of having a total of 52 full-motion simulators and 28 fixed training devices. United expects to add more than 2,000 new pilots this year alone and is on track to hire 10,000 pilots by 2030. The airline plans to train around 5,000 pilots by that date through United Aviate Academy, the airline's own pilot training school. United's goal is to have at least half of the pilots trained at the United Aviate Academy be women or people of colour.



Photo: Berlin Brandenburg Airport

Back in February, Irish low-cost carrier **Ryanair** made it clear it needed **Berlin Brandenburg Airport** (BER) to reduce its aircraft handling fees in order to help as it recovers from the disastrous effects of the COVID-19 pandemic. This week Ryanair has repeated the demand: "The government and Berlin Airport should act now," the carrier said, despite BER claiming that its fees were in line with other major German airports. Ryanair believes that if low-cost carriers are forced to pay such high fees, then the airport would end up handling the same amount of traffic at airports in smaller cities. Earlier this month easyJet announced that by the time it begins its winter schedule this year it will be reducing its fleet size at Brandenburg Airport from 18 to just 11 aircraft, consequently releasing up to 275 pilots and cabin crew. Previously Ryanair had reduced its fleet size at BER to just nine aircraft. Whether it will now expand its fleet to pick up easyJet business or further reduce its fleet size will likely depend on the airport's reaction to the demand for lower handling fees. Alternatively, Lufthansa offshoot Eurowings may well take on any easyJet staff which are laid off.

INDUSTRY PEOPLE

Management in order to drive MTU forward with a view to achieving its sustainable business goals.

HAECO Airframe Services has releases that **Jacqueline Jiang** has been appointed Group Director Airframe Services and will join the HAECO Group leadership team from July 1, 2022. Jiang is currently Chief Operating Officer of HAECO Xiamen and has extensive management experience in MRO services. HAECO Xiamen Director of Operations **Kevin Guan** will succeed Jiang in the re-titled role of Chief Executive Officer, HAECO Xiamen on the same day. Furthermore, **Kevin Kruger**, Director and General Manager of HAECO Hong Kong will retire in August 2022. He will be succeeded by **Benjamin Scheidel** in the re-titled role of Chief Executive Officer, HAECO Hong Kong from September 1, 2022. Scheidel will continue to oversee base maintenance operations in Hong Kong until a successor for his current role is appointed later in the year.



Caroline Pappas

• Etihad Cargo, the cargo and logistics arm of Etihad Aviation Group, has appointed **Caroline Pappas** as General Manager – Americas. Based in Chicago, Pappas will report directly to Etihad Cargo Director – Cargo Commercial West, **Mark Faulkner**. She will be responsible for establishing new and further developing existing relationships with Etihad Cargo's customers based in North and South America. Pappas joins Etihad Cargo with over 30 years' sales and commercial experience within the air cargo sector, reinforcing the carrier's commitment to the market. In her previous roles, Pappas has been instrumental in negotiating and securing long-term contracts with global freight forwarding customers and shippers, identifying and implementing marketing and sales strategies, and identifying strategic opportunities to increase market share and revenues.

• Bombardier has appointed **Jianwei Zhang** as Chairman, Bombardier China, effective immediately. The appointment of the seasoned professional reaffirms Bombardier's commitment to China where the company continues to offer market-leading business jets and provide

aftermarket services at its strategically located service centre in Tianjin. Zhang, who was previously part of Bombardier's management team, will report to **Eric Martel**, President and Chief Executive Officer. He brings more than 26 years of experience in the aerospace and transport industries, most of them spent in multiple roles with Bombardier. Bombardier maintains a strong presence in China where it offers its innovative, long-range Challenger and Global aircraft families, famous for their cutting-edge cabin design, performance and reliability. The company also provides a full range of maintenance and support services at its service centre in Tianjin.



Klaus Roewe

• Lilium N.V. (Lilium) has announced that **Klaus Roewe**, long-time Airbus executive, is to join the company on August 1, 2022, as its new CEO. Roewe is a highly respected industry veteran who led Airbus' most important business line, the A320 and A320neo programmes, to unprecedented success during his tenure: improving aircraft performance, doubling EBIT, cutting unit costs, while increasing market share and FCF, making it the most successful large commercial aircraft programme of all time. Daniel Wiegand who is the current CEO and co-founder of Lilium which developed the first all-electric vertical take-off and landing (eVTOL) jet, will continue as Lilium's Chief Engineer for Innovation and Future Programmes as well as a Board Director. "The Board ran an extensive global CEO search and are genuinely excited with the appointment of Klaus Roewe. We believe adding Klaus as CEO will give us unparalleled executional leadership to complement Lilium's innovative DNA as we continue the development of the Lilium Jet and advance towards Type Certification and scale production – Klaus has a breadth of operational experience that is very rare in our industry" said Lilium Chairman, **Tom Enders**.

• Pratt & Whitney has announced that with immediate effect, **Rick Deurloo**, the company's current Senior Vice President and Chief Commercial Officer, will take over from Carroll Lane, who has chosen to leave Pratt & Whitney for another leadership opportunity, as President of its Commercial



Rick Deurloo

Engines business. Deurloo will remain in his existing roles while taking on this new responsibility. He will be responsible to Pratt & Whitney President **Shane Eddy**. Deurloo joined the former United Technologies Corporation in 1998 and has over 20 years of experience in management and sales in the global aerospace industry. Prior to his role as Senior Vice President and CCO, where he was responsible for leading and directing all sales, marketing and customer support worldwide for Pratt & Whitney Commercial Engines and International Aero Engines (IAE), Deurloo held other senior leadership positions including Regional Vice President of Sales for the Americas.

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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
A319-133	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	Q2/2022	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	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	Aug 2022	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
A321-231	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 (3x)	ALTAVAIR	Trent 772B-60/16	various	06-14	Now	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
A330-200	GA Telesis	PW4168A	322	2000	Jul 2022	Sale / Lease	David Byrne	aircraft@gatelesis.com	+353 86 780 8974
A330-300	BBAM	Trent 772B-60	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	Trent 772B-60	1482	2014	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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	CFM56-7B24E	40318	2012	Q2/2022	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-800SF	GA Telesis	CFM56-7B24	33813	2004	Jul 2022	Lease	Cian Coakley	cian.coakley@orix.ie	+353 87 7760451
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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	BBAM	GE90-90B	29004	1998	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
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 (10x)	ALTAVAIR	GE90-115B	various	06-13	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493



THE AIRCRAFT AND ENGINE MARKETPLACE

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	Now	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102
SAAB 340B Plus	Jetstream Aviation Capital	CT7-9B	450	1998	Now	Lease	Bill Jones	bjones@jetstreamavcap.com	+1 (305) 447-1920 x 102

Commercial Engines

CF34 Engines	Sale / Lease	Company	Contact	Email	Phone
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E	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				
(3) CF34-10E6	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(3) CF34-10E7	Now - Lease				
(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



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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) CF6-80C2B7F	Now - Sale				
(1) CF6-80E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(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	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-5B2/P	Now - Lease				
(2) CFM56-7B26 (full QEC)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0787
(1) CFM56-7B24	Now - Lease				
(3) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(3) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0787
(1) CFM56-7B24/E	Now - Lease				
(3) CFM56-7B24	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CFM56-7B26	Now - Lease				
(2) CFM56-5C4	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0787
(2) CFM56-5B4/P	Now - Lease				
(1) CFM56-7B26E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CFM56-7B26/3	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	Contrail Aviation Support	Steve Williamson	steve@contrail.com	+1 720-276-5966
CFM56-5 (all thrust levels)	Now - Sale / Lease				
CFM56-7 (all thrust levels)	Now - Sale / Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(2) CFM56-7B22	Now - Lease				
(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	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
(1) CFM56-5C4/P (u/s)	Now - Sale				
(1) CFM56-7B22/3	Now - Lease	GA Telesis		engines@gatelesis.com	
(1) CFM56-5B6/3	Now - Sale / Lease				
(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.	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
GE90 Engines	Sale / Lease				
(1) GE90-94B	Now - Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(1) GE90-115BL (Propulsor)	Now - Lease				
(2) GE90-90B	Now - Sale/Lease/Exch.	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
LEAP Engines	Sale / Lease				
(1) LEAP-1A33	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) LEAP-1A32	Now - Lease				
PW 1000G Engines	Sale / Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) PW1133GA	Jun 2022 - Lease				
PW 4000 Engines	Sale / Lease	Castlake	Graeme Dodd	Graeme.dodd@castlake.com	+44 207 190 6138
(1) PW4168	Now - Sale / Lease				
PW Small Engines	Sale / Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW119B RGB	Now - Lease				
PW119B	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0787
PW124B	Now - Lease				
PW123B	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
PW125B	Now - Lease				
PW127F	Now - Lease	FTAI Aviation LLC	Tom McFarland	tmcfarland@ftaaviation.com	+1 786 785 0787
PW150A	Now - Lease				
PW127M	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
PW150A RGB	Now - Lease				

THE AIRCRAFT AND ENGINE MARKETPLACE

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) PW150A	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 - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2527-A5	Now - Lease				
(2) V2527-A5	Now - Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(2) V2527-A5	Now - Sale / Lease	Castlake	Graeme Dodd	Graeme.dodd@castlake.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	Now - Sale / Exchange	Centaurus Services/MASB	Paul Bithavas	paul.bithavas@centaurus.services	+61 408 389 241
Trent 892B-17 Modules					
(2) GTC331-200ER, (2) GTC331-9A, (1) GTC331-9B	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) A321 Enhanced Landing Gear 2020 OH					
GE90-115B – Fan Stator Module – P/N 2115M15G04		Altavair	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
(2) A320, (1) A330, (1) A340 Landing Gear Shipsets		GA Telesis		landinggearsales@gatelesis.com	
(1) A320 ENH NLG					
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) GTC36-150RJ	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
(3) GTC331-9A, (4) GTC331-9B		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(1) GTC331-350, (2) 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
(3) APU GTC131-9B, (1) GTC331-500B	Now - Sale / Lease	Willis Lease	Gavin Connolly	gconnolly@willislease.com	+44 1656 765 256
Engine stands now available	Now - Lease				
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368



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