

Weekly Aviation Headline News

WORLD NEWS

WFS opens new Cargo Terminal 3 in Copenhagen

Worldwide Flight Services (WFS) has opened its latest and third cargo handling facility at Copenhagen Airport. The new Terminal 3 cargo building adds a further 3,700m² warehouse facility to WFS' handling infrastructure in Copenhagen, where it handles over 100,000 tonnes of cargo a year, carried onboard passenger and freighter services. Since opening its first Scandinavian handling operation in Copenhagen in 2008, WFS has become the largest cargo handler at the airport, serving over 30 airline clients with flights to the Danish capital.

Frontier Airlines to open a crew base at Dallas

Frontier Airlines has announced it will open a new crew base at Dallas Fort Worth International Airport (DFW) in May 2023. The base is expected to employ up to 120 pilots and 220 flight attendants within its first year of operation. Combined with airport positions, the airline is expected to generate more than \$78 million annually in local wages with further growth anticipated in the coming years. Frontier plans to launch five new routes from DFW that will go on sale this week, including nonstop service to Montego Bay, Jamaica (MBJ).

IAG Cargo restarts services to Caracas and Rio de Janeiro

IAG Cargo has announced the revival of two services from its hub at Madrid Barajas Airport to Caracas (Venezuela) and Rio de Janeiro (Brazil). These routes join IAG Cargo's increased capacity to Latin American destinations this winter, including Chile, Mexico and Ecuador. The flights to Caracas and Rio de Janeiro will operate three times a week, commencing in November; the services to Caracas will utilise the bellyhold of an Iberia A350 aircraft and an A330-200 to Rio de Janeiro.



The 737-800 conversions are rapidly encroaching on the 737-400 fleet size.

Photo: Bluebird

B737-800 dominates P2F market

But experts flag the risk of oversupply

The aircraft passenger-to-freighter (P2F) conversions market is showing continued demand for freighter capacity fronted by the B737-800 but industry experts have warned that a potential oversupply in the market could lead to cost pressures in the cargo sector.

In its latest freighter values webinar recently, aviation consultancy firm IBA flagged the risk of oversupply of this converted aircraft type, and also highlighted the growing number of commitments for the Airbus A321 P2F and how this could become the successor to the long popular Boeing 757 freighter. It also highlighted the continuing reduction in feedstock aircraft age of the popular conversion types.

In the 2022 year to date, there have been 52 737-800 conversions, with 63 in 2021 as a whole, whereas the total of five A321 conversions in 2021 has already been surpassed by nine conversions in

the year to date.

Key cargo operators like ASL Airlines are slowly phasing out their 737-400 classics but at the moment, it seems the -800s will be supplementary operating them side by side with the classics. The major stakeholders will of course

it's growing all the time. There are probably more 737-800 converted aircraft out there than there are -300s."

The 737-800 conversions are rapidly encroaching on the 737-400 fleet size and will no doubt overtake this programme in the near

future. "We need to watch out for potential oversupply though, on the -800 because everybody seems to be getting on them so you have potential for value pressure and

"The 737-800 P2F has turned out to be a successful programme but can be a victim of its own success. I think we have to watch out for that."

Jonathan McDonald, Manager - Classic and Cargo Aircraft, IBA

be Boeing – which has recently set up its own 737 conversion facility at London Gatwick which is seeing several -800s going through the process there.

Jonathan McDonald, Manager - Classic and Cargo Aircraft at IBA indicated during the webinar that the converted fleets of the 737-800 has more than doubled in recent years. "In Just a couple of years we have gone from a fleet size of about 40 to over 120 and

indeed lease rate pressure. The 737-800 P2F has turned out to be a successful programme but can be a victim of its own success. I think we have to watch out for that," added McDonald.

The Boeing 737-800 P2F has a substantial fleet of 121 active aircraft, with 47 aircraft pending conversions, and 33 in storage. Lease rates remain stable at around US\$180,000 per month, according to the latest data from IBA.

AIRCRAFT & ENGINE NEWS

SAS secures lease agreements for further seven aircraft under Chapter 11

On July 5, 2022, SAS AB (Scandinavian Airlines or SAS) the flag-carrying airline of Norway, Denmark and Sweden filed for bankruptcy in the U.S. courts under Chapter 11 as part of a business restructuring plan called SAS FORWARD. Three of the key elements of this plan were to immediately reduce annual operating costs by between SEK850 million and SEK1 billion, to raise SEK9.5 billion in new equity and to reduce or convert SEK20 billion of debt into common equity. One of the areas targeted to help reduce annual running costs was aircraft lease agreements and the Scandinavian carrier has announced that it has now successfully renegotiated the lease terms for seven aircraft with lessors Carlyle and SMBC. The terms of the new leases will have to be approved by the U.S. Bankruptcy Court for the Southern District of New York.

On October 5 this year SAS confirmed that it had reached agreement with ten lessors for a total of 36 leased aircraft to amend the terms of existing aircraft leases and these agreements were approved by the court on October 14. In addition to making a significant contribution to the reduction of current annual running costs, these new lease agreements also constitute a major step forward in terms of SAS achieving its mid-term targeted annual cost savings of SEK7.5 billion by 2026 under the SAS FORWARD plan. SAS also intends to continue negotiations with additional lessors to achieve further amendments in existing lease agreements (1£ = 12,62 SEK at time of publication).

BOC Aviation completes delivery of six B787-9 aircraft to Norse Atlantic Airways



Norse Atlantic Airways Boeing 787-9 Dreamliner
Photo: AirTeamImages

BOC Aviation has completed delivery of six Boeing 787-9 Dreamliners to Norwegian carrier Norse Atlantic Airways (Norse). All six aircraft are powered by Rolls-Royce Trent 1000 TEN engines. "The delivery of these six aircraft reflects the strong level of teamwork and cooperation between Norse Atlantic and ourselves," said Robert Martin, Managing Director and Chief Executive Officer, BOC Aviation. "We look forward to working with Norse on its future fleet requirements and remain committed to providing all our customers with fuel-efficient and technologically advanced aircraft."

Norse Atlantic Airways is a new, innovative airline planning to serve the international, low-cost market between popular European and U.S. destinations with a fleet of modern, fuel-efficient and more environmentally friendly Boeing 787 Dreamliners. Norse Atlantic Airways was established in February 2021 with its shares admitted to trading on Euronext Growth Oslo in April 2021.

STARLUX takes delivery of first of 18 A350-900 aircraft

Taiwanese carrier STARLUX Airlines (STARLUX) has taken delivery of its first A350, becoming the latest operator of the world's newest wide-body aircraft. The aircraft, powered by Rolls-Royce Trent XWB-84 engines, is the first of 18 A350-900s set to join the carrier and will fly alongside A330neo and A321neo jets at the airline in an all-Airbus fleet. STARLUX has specified a luxurious four-class layout for its A350s, featuring four suites in First Class, 26 seats in Business Class, 36 in Premium Economy and 240 in Economy. The airspace cabin on-board the A350 features the latest developments in cabin configuration resulting in extra space to offer more comfort and personal room in every class. In addition, the aircraft features the latest in-flight entertainment systems and full connectivity. STARLUX will benefit from the highest levels of operational efficiency offered by the A350, with a reduction of fuel consumption and carbon emissions of 25% compared with older-generation aircraft in the same size category.

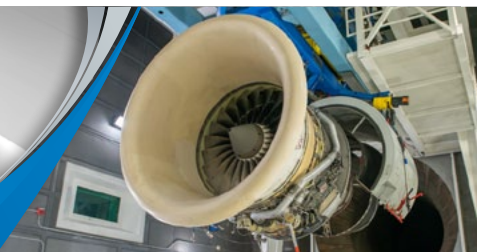


STARLUX has taken delivery of its first A350-900 aircraft
Photo: Airbus

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Air Lease Corporation places three new Boeing 737-8 aircraft on lease with Aeroitalia

Air Lease Corporation has arranged long-term lease placements for three new Boeing 737-8 aircraft with Aeroitalia. These three new Boeing aircraft are scheduled to deliver to the Italian airline from ALC's order book with Boeing beginning in 2023 through 2024.

Aeroitalia is a new Italian airline with entirely private capital, born from the foresight of professionals in the air transport sector. Headquartered in Rome and starting-up hub in Forlì, Aeroitalia currently operates charter and regional scheduled routes across Europe with a fleet of three Boeing 737-800 aircraft.



Aeroitalia Boeing 737-800

Photo: AirTeamImages

Old Airbus A320 given new lease of life as Hydrogen Aviation Lab for Lufthansa Technik



Technik Hydrogen Aviation Lab

Photo: Lufthansa Technik

Lufthansa Technik, a leading global provider of aircraft maintenance, repair, overhaul and modification services, has created a Hydrogen Aviation Lab out of an old, decommissioned Airbus A320 aircraft. The Hydrogen Aviation Lab will be used to trial maintenance and ground processes for hydrogen-powered aircraft of the future. Hydrogen is anticipated to play a major role in the decarbonizing of the aviation industry as it strives to become carbon neutral. As a result, Lufthansa Technik, Hamburg Airport, DLR and ZAL have combined forces to design and test maintenance and

ground-based processes for hydrogen technology. The project is funded by Hamburg's Ministry of Economic Affairs and Innovation as well as the city's investment and development bank (IFB Hamburg). Over the coming months, the Hydrogen Aviation Lab will be fitted out with a complete suite of test systems as well as an internal tank for liquid hydrogen and an onboard fuel cell, paired with supporting ground-based hydrogen infrastructure. With the Hydrogen Aviation Lab, the project partners intend to prepare for handling and maintenance of hydrogen-powered aircraft, whose entry into service is estimated for the middle of the next decade. Parallel to research carried out using the physical hardware of the Hydrogen Aviation Lab, the project also involves the creation of a so-called digital twin of the Airbus A320. Therein, simulations will enable researchers to develop and test predictive maintenance methods for the systems and components of future aircraft generations.

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MRO & PRODUCTION NEWS

Atitech extends certification to include Alitalia capabilities for line maintenance, base maintenance and shops

Atitech has announced that its EASA.IT 145.0026 certification has been extended to include Alitalia capabilities for line maintenance, base maintenance and shops. Also the EASA CAMO PART M (IT.CAMO.1005) has been extended to include Alitalia CAMO PART M capabilities, in addition to the Airbus A320F, the A330F, the Boeing B777 and the Embraer ERJ family. Other certifications such as POA Part 21 Sub Part G, DOA Part 21 Sub Part J and EASA Part 147 will be extended in the coming weeks. With this incorporation Atitech will be adding to its five hangars with 20 lines in Naples with an additional four hangars in FCO with six lines for NB and five for WB plus one hangar for painting WB. Shops for airframe related components (ARC), availability of an autoclave for component composite repair, batteries, galley equipment, W&B, pneumatic, certain avionics, etc., are part of the new perimeter.

First Emirates A380 rolls in for full cabin refresh and refit



Emirates' retrofit team

Photo: Emirates

On November 1, Emirates began its two-year retrofit programme with work starting on the first of 120 aircraft earmarked for a full cabin interior upgrade and the installation of the airline's latest Premium-Economy seats. After completing flight EK928 from Cairo to Dubai on Monday, November 1, A6-EVM was steered to Hanger-E at the Emirates Engineering

Centre where a team of specialised engineers began prepping the aircraft for its makeover. In addition to recruiting 190 additional staff for the project, Emirates is also engaged with 62 key partners and suppliers who have hired hundreds more skilled hands for the retrofit programme. After months of meticulous planning and detailed test runs on an actual A380 aircraft, engineers took stock and requested 2,200 part numbers. In turn, Emirates' procurement team went into overdrive and raised 12,600 purchase orders for the initial phase of the programme. At the Emirates Engineering Centre, purpose-built workshops have been set up and stocked with parts and equipment for the project. For the next 16 days teams of engineers and technicians will take apart the entire cabin interior of the A380 and put it back together again in a carefully planned and tested sequence.



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MRO & PRODUCTION NEWS

Referring to the line maintenance the first step will be to take-over the Italian stations for EASA customers in FCO, TRS, FLR, OLB, AHO, SUF, REG. The second step will be to take over all Italian stations as soon as the certifications from non-EU countries to support the relevant customers has been granted. The last step will be to take over the outstation outside Italy as soon as the relevant certifications has been granted, and branches settled. The strategy of Atitech's President and CEO Lettieri is to extend the capabilities to components and engines in order to support customers with full services in a one-stop solution.

IBC Advanced Alloys selected as supplier for L3Harris

IBC Advanced Alloys, a leading beryllium and copper advanced alloys company, is now supplying beryllium-aluminium (BeAl) alloy components under contract to L3Harris Technologies, for use in an undisclosed aerospace application. IBC's work in supplying BeAl components to L3Harris is in the early stages and the Company expects that it could lead to significant material amounts of sales of IBC products in the future. IBC's Engineered Materials Division produces custom-designed, investment cast beryllium-aluminium alloy components at its facility in Wilmington, Mass., for a variety of customers in the defence, aerospace and commercial sectors. IBC's ability to manufacture near-net-shape BeAl products from its proprietary investment casting technology allows it to make these products faster, more efficiently, less expensively and with less produced waste. In national defence applications, this has helped to save U.S. tax dollars in the procurement of defence systems that require BeAl components.

Seven Wencor MRO facilities achieve AS9110 certification

Wencor has released that seven of its MRO facilities have received ANSI-ASQ National Accreditation Board (ANAB) AS9110 certificates of registration. This represents a significant milestone in Wencor's company-wide commitment to quality. This certification places Absolute Aviation, Accessory Technologies, Aerospace Coatings International, Fortner Engineering, PHS Aviation, Silver Wings Aerospace and Soundair Aviation Services in a select group of MRO facilities that have been independently certified to a quality management system

AJW Group extends power-by-the-hour support to Brazilian operator, Modern Logistics



Photo: AJW has signed a PBH contract extension with Modern Logistics

AJW Group, an independent aircraft component parts, repair and supply chain solutions provider, has extended a power-by-the-hour (PBH) support contract with Brazilian cargo operator Modern Logistics. The support contract providing full power-the-hour services for B737CL freighters, has been in operation since 2017 and was the

first PBH contract for AJW in Brazil. Since 2017, AJW has become the supplier of choice for airlines across the South American region, reinforced by the recent signing of an agreement of Chilean ultra-low-cost carrier, JetSMART Airlines SpA, with its rapidly expanding fleet of A320ceo and -neo aircraft and the Caribbean's first ultra-low-cost airline, Aracet S.A., and its growing fleet of LEAP-powered B737 MAX aircraft. Erik Fernando de Souza, Purchasing Manager, Modern Logistics, commented: "We are delighted to extend our support contract with AJW. We originally chose AJW because of its breadth and technical expertise as well as high response levels via 24/7 AOG service. Also important is the fair market value for the parts that we lease. Modern Logistics is the pre-eminent cargo operator in Brazil, serving a key market where dangerous and special goods need to be transported by air due to infrastructure gaps."

Vallair acquires two Airbus A320 aircraft from lessor Aviation Capital Group for teardown



Photo: Vallair has acquired two Airbus A320 aircraft for teardown

Vallair, the mature asset specialist, has purchased two A320 aircraft from Aviation Capital Group (ACG) for teardown. The aircraft (MSN 2372 and MSN 2393) are both 2005 vintage and the airframes will be dismantled at Vallair's facility in Montpellier, France. According to Armando Filho, Material Management Director, "Both A320s are currently stored in Montpellier and will be processed at the end of the year with parts available in Q1 of 2023. The multiplicity of components will significantly enhance our stock of freshly tagged, modern narrow-body parts. Our inventory has already been boosted by the recent teardown of an A321, MSN 1008, and these two airframes will further sustain our strategy to build a high-quality spares hub in France. We are fully committed to supporting this aircraft type for airlines, lessors and asset managers" says Filho. To support Vallair's asset procurement process, intelligent repair management is combined with an integrated supply chain and global network of audited MRO facilities. This provides a streamlined service for Vallair's material management team which is closely aligned to the teardown function and processes high volumes of aircraft parts every month, working with the in-house aero-structures repair shop based in Châteauroux.

MRO & PRODUCTION NEWS

going beyond FAA and EASA certification requirements. Wencor's most recent MRO acquisition, Aviatron, Inc. (U.S.), will soon start the AS9110 certification process to join the high standards of Wencor's other MROs. AS9110 is the international standard for aviation quality management, developed by aerospace professionals to meet the specific requirements of aerospace maintenance organisations. AS9110 incorporates ISO9001, the international standard for quality management, specifying additional aviation and defence maintenance repair and overhaul industry requirements. ISO9001/AS9110-certified businesses demonstrate an unparalleled dedication to quality and customer satisfaction above and beyond the normal practice of uncertified organisations.

Farsound opens new facility in Madrid to support Spanish flag-carrier airline Iberia

Farsound is expanding its operations in Spain with the opening of a new facility close to Madrid-Barajas Airport to serve its airline customer Iberia. Farsound's new warehouse and operational facilities will be located in San Fernando de Henares, a town in the province of Madrid and will be fully operational at the end of this year. The new building has been adapted specifically for the purpose. The team based there will supply and maintain key components for aero engines for Iberia's fleet of aircraft. Close proximity to Iberia's operational airport base is just one of the many benefits that the new facilities will bring to Farsound, along with additional space, staff and resources to service new customers across Europe in the future.

FINANCIAL NEWS

Lufthansa Group generates operating profit of €1.1 billion in third quarter 2022

Lufthansa Group has reported that revenue almost doubled compared to last year (+93%), reaching €10.1 billion in the third quarter (previous year: €5.2 billion). The company generated an Adjusted EBIT of €1.1 billion in the third quarter of 2022, including an impact from strikes of around €70 million. In the same period last year, operating profit was €251 million. The operating margin amounted to 11.2% (prior year: 4.8%). Net income increased significantly in the third quarter to

MRO & PRODUCTION NEWS

AAR facilitates donation of aircraft to Rock Valley College Aviation Maintenance Programme

AAR CORP., a provider of aviation services to commercial and government operators, MROs, and OEMs, celebrated the fruition of collaborative efforts to donate a functional aircraft to Rock Valley College's Aviation Maintenance Programme on October 18, 2022. AAR partnered with the State of Illinois Department of Commerce and Economic Opportunity to provide funding, SkyWest Airlines to sell the aircraft and The Workforce Connection to manage the workforce development grant. AAR is grateful to all parties involved who helped deliver a functional CRJ-200 aircraft that will further aviation-focused education in Illinois. Leaders from education, industry and government gathered at Rock Valley College to mark the first donation of a CRJ-200 to a community college. AAR will work alongside Rock Valley College to ensure the CRJ-200 is fully implemented into the college's aviation maintenance curriculum through a process that has been streamlined thanks to the new FAA part 147 regulation that went into effect on September 21.



Leaders from education, industry and government gathered at Rock Valley College to mark the first donation of a CRJ-200 to a community college
Photo: AAR

FINANCIAL NEWS

VoltAero secures first funding in Series B round from strategic industrial investor TESI



Cassio 330 aircraft

Photo: VoltAero

VoltAero has completed the first tranche in its Series B financing, with Italy's TESI becoming a strategic investor and industrial partner. The new funding round, which includes a €32 million (£27.83 million) capital raise, will cover certification and production launch of the first member in its electric-hybrid aircraft family, the Cassio 330.

"TESI's decision to become both a strategic investor and an industrial partner is a clear sign of VoltAero's technology and business model credibility as we take this important step closer to reality for the Cassio-airplane family with the Series B funding round," said Jean Botti, VoltAero's CEO and Chief Technology Officer. The Series B round marks the third funding phase for VoltAero, positioning it for industrialisation of the Cassio 330, which entered the certification process with Europe's EASA airworthiness authority in October 2021 – the first member of its Cassio aircraft family powered by the company's proprietary electric-hybrid propulsion system. TESI (Tecnologie E Servizi Innovativi S.r.l.) will produce the airframe for VoltAero's no. 1 Cassio 330 prototype, which is targeted to make its maiden flight in 2023. Cassio 330 is the five-seat version, with a combined electric-hybrid propulsive power of 330 kilowatts.

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FINANCIAL NEWS

€809 million (previous year: €-72 million). The number of passengers travelling on board of the passenger airlines increased significantly in the third quarter compared with the previous year. Between July and September, more than 33 million passengers flew with the airlines of the Lufthansa Group (previous year: 20 million). Lufthansa Cargo again achieved a record result. Although airfreight capacities on passenger aircraft are increasing again due to the continuation of air traffic recovery especially on the North Atlantic, average yields remain well above pre-crisis levels, especially on routes to Asia. Adjusted EBIT in the third quarter rose to €331 million (previous year: €302 million), an increase of 10% compared to last year's already very strong performance. In the first nine months of the year, Lufthansa Cargo has thus already achieved an operating profit of €1.3 billion (previous year: €943 million) and is on course for a full-year result even above last year's record €1.5 billion. In the third quarter, Lufthansa Technik benefited from the high demand for air travel and the associated demand from airlines worldwide for maintenance and repair services. The volume of business was already back at around 90% of the pre-crisis level. Lufthansa Technik generated an Adjusted EBIT of €177 million in the third quarter (previous year: €149 million), the best quarter ever for the company. The forecast for the annual result was raised again. Lufthansa Technik is thus also heading for a new record for the full year. (€1.00 = €1.16 at time of publication).

Air Canada reports third-quarter 2022 financial results

Air Canada has generated CA\$644 million in operating income with a strong operating margin of 12.1% in the third quarter of 2022. This was the first quarter since the pandemic began in which the company delivered positive operating income. Operating revenues more than doubled to CA\$5.3 billion, on a capacity growth of 130% and EBITDA increased to over a billion, with a margin of 19.9%. Air Canada posted a net loss of CA\$508 million, compared to a net loss of CA\$640 million in the third quarter of 2021, which included a foreign exchange loss of CA\$951 million. Yields also improved, helping offset higher fuel prices. Air Canada Cargo is consistently contributing to Air Canada's results and Aeroplan is continuing to perform extremely well with travel's return. The transformed loyalty programmes' gross billings from points sold, purchase volume on co-brand cards and new members are all at record highs. Michael Rousseau, President and Chief Executive Officer of Air Canada stated: "Despite

Safran and MBDA take majority stake in CILAS



Laser beam

Photo: ArianeGroup

Safran Electronics & Defense and MBDA have completed the acquisition of ArianeGroup's 63% majority stake in CILAS, a French company specialized in lasers for military applications. The acquisition was carried out through a joint company created for the purpose called HMS Laser, equally owned by Safran Electronics & Defense and MBDA. Founded in 1966, CILAS designs, develops, produces and sells laser products and optical solutions for military and civil applications. Safran Electronics & Defense and MBDA will support the growth of CILAS, as well as the development and production of solutions designed to support France's sovereignty and strategic independence, while also facilitating the company's European positioning and export opportunities. CILAS is a specialized equipment supplier offering cross-functional technologies. It will continue to apply a business model based on its position as a supplier of products and technologies to all domestic and international customers.

Bombardier reports strong third quarter 2022 results plus US\$100 million debt paydown



Global 5500 jet

Photo: Bombardier

Bombardier has announced its financial results for the third quarter of 2022, marked by solid revenues, a significant improvement in adjusted EBITDA, continued positive free cash flow generation and a growing backlog that reflects strong order activity. In summary, the results show solid third quarter revenues of US\$1.5 billion include a 20% year-over-year aftermarket increase to US\$372 million; full-year deliveries on track for more than 120 aircraft. Adjusted EBITDA for the third quarter rose to US\$210 million, a 48% year-over-year improvement. Adjusted EBITDA margin rose 460 bps year-over-year to 14.4%. Reported EBIT from continuing operations for the third quarter was US\$145 million. Positive free cash flow generation of US\$52 million from continuing operations for the third quarter of 2022, in line with raised cash flow guidance announced in August 2022. Reported cash flow from operating activities for the quarter was US\$122 million and net additions to PP&E and intangible assets for the quarter were US\$70 million. Backlog has grown by US\$300 million to US\$15 billion since the end of second quarter; the third quarter unit book-to-bill of 1.3 reflects strong order activity. Further successful debt reduction of US\$100 million through cash on balance sheet brings year-to-date debt repayment to US\$873 million; adjusted liquidity stands strong at approximately US\$1.7 billion with cash and cash equivalents of US\$1.3 billion as of September 30, 2022. Further strengthened the liquidity position through a five-year committed secured revolving credit facility of US\$300 million subsequent to the quarter end.

FINANCIAL NEWS

the global disruption of air travel, through teamwork and focused efforts, we safely transported nearly 11.5 million customers to their destinations this quarter. We are further encouraged by continuing strong demand, now further stimulated by the easing of COVID-related restrictions. Advance ticket sales in the quarter were at 95% of third quarter 2019 levels. In the third quarter, our adjusted unit cost or adjusted CASM improved by 38% to 11.6 cents compared to the same period last year, and we will continue to carefully control costs. We ended the quarter with just over CA\$10.2 billion in total liquidity. (£1.00 = CAD1.56 at time of publication).

AirAsia sells remaining equity shares in AirAsia India to Air India

AirAsia Aviation Group Limited (AAAGL), the holding company of Capital A's airline group, has entered into a share purchase agreement to sell the remaining equity shares held in AirAsia (India) Private Limited (AAI) to Air India, an affiliate of Tata Sons Private Limited (TSL).

The latest agreement comes as AirAsia returns to the skies since the pandemic which allowed the airline to re-examine its strategic objectives to focus on Asean given its strong network and significant presence in the region. To date, AirAsia has flown more than 171,000 flights since January 2022, carrying over 23 million passengers across the Group.

Spirit AeroSystems reports third-quarter revenue of US\$1.3 billion, up 30%

Spirit AeroSystems' (Spirit) revenue in the third quarter of 2022 was US\$1.3 billion, up 30% from the same period of 2021. This increase was primarily due to higher production deliveries on the Boeing 737 programme as well as increased aftermarket revenue, partially offset by lower production deliveries on the Boeing 747 programme. Overall deliveries increased to 316 shipsets during the third quarter of 2022 compared to 248 shipsets in the same period of 2021. This includes Boeing 737 deliveries of 69 shipsets compared to 47 shipsets in the same period of the prior year. Spirit's backlog at the end of the third quarter of 2022 was approximately US\$36 billion, with work packages on all commercial platforms in the Airbus and Boeing backlog.

Operating income for the third quarter of 2022 was US\$4.5 million, compared to an operating loss of US\$156.6 million in the same period of 2021. This increase in operating income was primarily driven by higher production on the Boeing 737 programme and lower forward

MILITARY AND DEFENCE

Spanish Ministry of Interior takes delivery of first two H135 helicopters



Photo: Airbus H135 helicopter

Airbus has delivered the first two H135s to the Spanish Guardia Civil and National Police under the 36-unit contract signed with the General Directorate for Armaments and Materiel (DGAM) at the end of 2021 to supply the Ministry of Defence and the Ministry of Interior with the aircraft. The Minister of the Interior, Fernando Grande-Marlaska, and Bruno Even, CEO of Airbus Helicopters, along with

Fernando Lombo, Managing Director of Airbus Helicopters in Spain, were present at the hand-over ceremony that took place at the Airbus plant in Albacete. The new helicopters will enable the National Police and Guardia Civil to replace BO105 helicopters in a wide range of missions including police, surveillance and rescue activities. In total, the Ministry of Interior will receive 18 units. As for the Spanish Air Force and Navy, which will receive eleven and seven H135s respectively, deliveries will begin next year and will be added to the 16 helicopters already operated by the Spanish Army for training and support missions for the Military Emergency Unit (UME). From 2023 onwards, the three armed forces will be able to benefit from synergies in terms of training, operation, and maintenance.

Autonomous Black Hawk® flies logistics and rescue missions without pilots on board

Sikorsky, a Lockheed Martin company and the Defense Advanced Research Projects Agency (DARPA) have, for the first time, successfully demonstrated to the U.S. Army how an uninhabited Black Hawk helicopter flying autonomously can safely and reliably perform internal and external cargo resupply missions and a rescue operation. Performed on October 12, 14 and 18, as part of the U.S. Army's Project Convergence 2022 (PC22) experiment, the flights show how existing and future piloted utility helicopters could one day fly complex missions in reduced-crew or autonomous mode. This would give Army commanders and aviators greater flexibility in how and when aircraft and pilots are used, especially in limited-visibility or contested environments. Sikorsky is partnered with DARPA to develop autonomy technology that will exponentially improve the flight safety and efficiency of rotary and fixed-wing aircraft. Sikorsky's autonomy system, known as MATRIX™ technology, forms the core of DARPA's ALIAS (Aircrew Labor In-cockpit Automation System) project. "We believe MATRIX technology is ready now for transition to the Army as they look to modernise the enduring helicopter fleet and acquire Future Vertical Lift aircraft," said Igor Cherepinsky, Director of Sikorsky Innovations. "In addition to increasing flight safety and reliability, MATRIX technology enables survivability in high-tempo, high-threat 21st century security environments where Black Hawk helicopters operate today, and DEFiant X® and RAIDER X® helicopters could operate in the future. Un-crewed or reduced-crewed helicopters could safely perform critical and lifesaving missions day or night in complex terrain and in contested battlespace."



Uninhabited Black Hawk® helicopter lifts external cargo
Photo: Sikorsky

FINANCIAL NEWS

loss charges, compared to the same period of the prior year. Third-quarter 2022 earnings included net forward loss charges of US\$49.1 million and unfavourable cumulative catch-up adjustments of US\$4.9 million. The forward losses relate primarily to the Airbus A350, Boeing 787 and RB3070 programmes. The Airbus A350 programme forward loss reflects additional costs related to labour, freight and rework and the impact of part shortages. The forward loss on the Boeing 787 programme was driven by increased supply chain and other costs. The RB3070 nacelle programme forward loss was driven by increased engineering cost estimates. Excess capacity costs recorded during the third quarter of 2022 were US\$31.4 million. In comparison, during the third quarter of 2021, Spirit recorded US\$70.4 million of net forward loss charges, unfavourable cumulative catch-up adjustments of US\$2.8 million and excess capacity costs of US\$57.1 million. The cash balance at the end of the third quarter of 2022 was US\$671 million. (£1.00 = US\$1.12 at time of publication).

Atlas Air Worldwide Holdings posts third-quarter results

Atlas Air Worldwide Holdings has posted its third-quarter 2022 results with net income of US\$60.1 million compared with net income of US\$119.5 million in the third quarter of 2021. On an adjusted basis, EBITDA totalled US\$194.0 million in the third quarter this year compared with US\$280.5 million in the third quarter of 2021. Adjusted net income in the third quarter of 2022 totalled US\$78.8 million compared with US\$145.4 million in the third quarter of 2021. Revenue grew to US\$1.1 billion in the third quarter of 2022 compared with US\$1.0 billion in the prior-year quarter. Volumes in the third quarter of 2022 totalled 79,274 block hours compared with 90,363 in the third quarter of 2021. On August 4, 2022, Atlas Air Worldwide entered into a definitive agreement to be acquired by an investor group led by funds managed by affiliates of Apollo Global Management, together with investment affiliates of J.F. Lehman & Company and Hill City Capital. The Company continues to expect to complete this transaction in the fourth quarter of 2022 or the first quarter of 2023. (£1.00 = US\$1.12 at time of publication).

Jazeera Airways post impressive nine-month US\$67.05 million net profit

Kuwaiti carrier Jazeera Airways has posted a net profit of US\$67.05 million for the first nine months of 2022, primarily as a consequence

INFORMATION TECHNOLOGY

Aircraft painting specialist **Aviation Exteriors Louisiana** (AvEx) has selected **Rusada's** ENVISION software to manage its new line of heavy maintenance activities. With over 30 years of painting experience under its belt, AvEx, located in New Iberia, Louisiana, recently made the decision to expand its service offering by adding heavy maintenance and aircraft passenger-to-freighter conversion to its service portfolio. To accommodate for this, AvEx is immediately repurposing one of its three existing hangars to maintenance and will look to add further hangar facilities in the near future. This increase in operational activity has highlighted the company's need for a state-of-the-art system to manage the new business lines. As such AvEx conducted an extensive research project and after demonstrations and meetings with multiple providers, Rusada's ENVISION was selected as the solution of choice. AvEx will use ENVISION to manage the planning, assigning and execution of maintenance tasks, as well their commercial activities, inventory and employees.



AvEx facility

Photo: Rusada

OTHER NEWS



Kansai International Airport Terminal 1

Photo: VINCI Airports

Kansai International Airport, operated since 2016 by **VINCI Airports** with its partner **ORIX**, has inaugurated a new domestic area in Terminal 1. The first stage of the airport's remodelling works, this new area improves passengers' experience thanks to more functional commercial spaces, redesigned around new shops and restaurants celebrating the flavours of Kansai and a new lounge. The second phase of work has already begun and will be completed in December 2023, with the opening of the new international area. It will improve passengers' experience along their entire journey (check-in, emigration, shopping areas, boarding) while deploying new technologies to serve passengers. Supported by the Japanese government, these works are the most important ones carried out at Kansai International Airport since it opened in 1994. They enable VINCI Airports to support Japan's tourism recovery and prepare the airport to become the "First Pavilion" of the Osaka Kansai World Expo in 2025.

FINANCIAL NEWS

of a 410% increase in passenger numbers compared to the same period in 2021. Total revenue for the period was US\$454.65 million, up 197.9% year-on-year, while operating profit stood at US\$8.06 million. The airline carrying a record number of 1.1 million passengers in the third quarter, bringing the total number in the nine months period to 2.6 million. Load factors reached an average of 80.1% in the third quarter and 76.4% for the nine months period – a 15.7% year-on-year increase. Flight movements at Kuwait International Airport reached a total of 20,161 during the period which made Jazeera Airways the largest carrier operating at the airport. During the first nine months of 2019, which was the last full comparable period before the start of the COVID-19 pandemic, Jazeera Airways carried 0.703 million passengers and reported a net profit of US\$3.07 million. A summary of the third-quarter results is as follows: revenue: US\$19.63 million, up 99.25% from 3Q 2021, operating profit: US\$5.01 million, up 25.7% from 3Q 2021, net profit: US\$4.16 million, up 14% from 3Q 2021, passengers: 1.1 million, up 256.8% from 3Q 2021 and load factor: 80.1%, up 14.4% from 3Q 2021. Additionally, Jazeera continues to move forward with its expansion plans with the delivery of two A320neo aircraft in Q3 as part of its order for 20 A320neos and eight A321neos. (£1.00 = US\$1.15 at time of publication).

OTHER NEWS

American Airlines and Spartan College of Aeronautics and Technology (Spartan) have announced a new partnership to expand the American Airlines Cadet Academy for aspiring pilots. Spartan, based in Tulsa, Oklahoma, is the Cadet Academy's first collegiate partner offering an Associate of Applied Science degree in Aviation Flight and increases its training network to five locations.



Photo: Spartan College of Aeronautics and Technology

"The American Airlines Cadet Academy is designed to address all of the obstacles associated with a traditional flight training path," said Christina Flores, Managing Director of Aviation Recruiting and Programmes at American Airlines. "We are thrilled to offer a new pathway which includes building flight time while working towards a college degree with the support of mentorship and financial aid." Through this new partnership with Spartan College, American Airlines cadets have an opportunity to earn their FAA certificates and ratings, as well as their Associate of Applied Science degree. The Aviation Flight programme at Spartan College can be completed in as few as 17 months with reduced ATP hours, housing options and financial aid for those who qualify. Certified flight instructors may also continue their education to earn a Bachelor of Science in Technology Management degree from Spartan. Since its launch in 2018, nearly 700 cadets have entered the Cadet Academy, and more than 100 have already graduated with the programme. The American Airlines Cadet Academy has a unique financial partnership dedicated to supporting cadets entering the programme. The goal is to eliminate the financial barriers prospective pilots face and support the growth of the pilot population while creating greater diversity among future and current pilot ranks.

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OTHER NEWS

Sabre Corporation (Sabre) and **BCD Travel** have announced a long-term, multi-faceted strategic partnership that is expected to drive meaningful growth and advancement for both companies and across the travel ecosystem. Under the newly expanded and long-term technology agreement, BCD Travel expects to increase its booking levels with Sabre. Additionally, the two companies will jointly invest and collaborate on new and advanced solutions that will help accelerate the technology-driven evolution underway across the corporate travel ecosystem. "BCD Travel is a long-time, valued Sabre partner. Over the years, we've tackled industry challenges, innovated and grown together. Today, we take another important step in our partnership as we mutually commit to advancing the future of the travel," said Kurt Ekert, president of Sabre. "This agreement demonstrates our continuing commitment to helping BCD achieve its objectives to differentiate its offerings, improve operational efficiency and grow. Whether that takes the form of providing solutions, or enabling solutions, we will continue to build and sustain the value-added relationship we've enjoyed with BCD for so many years." The partnership will see the two industry leaders focus on creative solutions for managing growing complexities and evolving customer expectations as well as transforming the impacts of technology and marketplace dynamics into opportunities. Sabre will continue to utilize its technical expertise, innovative energies and corporate stability to help enable BCD's success globally.

Canada Jetlines Operations (Canada Jetlines) the new, all-Canadian leisure airline, has released that the United States Department of Transportation has granted economic authority to serve the U.S. This exemption is effective immediately and will be replaced by a permanent foreign air carrier permit. Canada Jetlines requires Federal Aviation Administration (FAA) approvals before it can start operating to the United States and expects this process to be completed before the end of the year. The announcement follows Canada Jetlines' confirmation of a new route out of its travel hub at Toronto Pearson International Airport (YYZ) with direct service to Vancouver International Airport (YVR), starting December 2022. The new route aims at providing more accessible travel within Canada, connecting the lower mainland and southern Ontario, operating twice weekly with frequency increasing before the new year. "We are looking forward to expand our international network, as the U.S. is a top market for Canadian travellers" stated Eddy



Groundbreaking at Textron Aviation's distribution facility expansion

Photo: Textron Aviation

Textron Aviation has broken ground on its 180,000 ft² expansion to its parts distribution facility. As announced during NBAA-BACE, the project will allow the company to better support customers who own and operate Cessna, Beechcraft and Hawker products. This expansion will provide additional space for warehouse storage, customer support analysts and offices. The expansion will also enable Textron Aviation to make it easier for customers to conduct business with the company, including a dedicated lane for customers to drop-off or pick-up parts in person and opportunities for consolidated shipments. The expanded operations will also provide expedited support to the company's own Wichita Service Centre. "As we continue to invest in our product line-up, it is important that we also invest in our aftermarket business," said Ron Draper, President and CEO. "We remain dedicated to our customers beyond their delivery, we support them throughout the life of their aircraft."



Photo: WestJet Cargo B737-800BCF

WestJet Cargo and **SmartKargo** have announced the successful launch of their state-of-the-art air cargo management platform. The partnership will provide a comprehensive digital solution that will transform and strengthen WestJet Cargo's business and user experience for customers, in advance of the upcoming arrival of its dedicated freighters. SmartKargo is a leading Cloud provider of air cargo solutions that extend markets for global airlines, with innovative technology and superior capabilities that include business intelligence, real-time information and machine learning. The solution interfaces seamlessly with the airline's other systems, as well as third-party providers via Application Programming Interfaces – for fast integration and deployment. While the arrival of WestJet Cargo freighters will be announced very soon, the launch of SmartKargo marks a new milestone in the cargo development of the Canadian carrier.

OTHER NEWS

Doyle, President & CEO Canada Jetlines. "With the winter months fast approaching, we know sun destinations will be a priority for leisure travel and we intend to announce our first international destination later this month."

German flag-carrying airline **Lufthansa** and **Unabhängige Flugbegleiter Organisation e.V.** (UFO) the trade union representing 19,000 cabin personnel have reached an agreement over a new pay structure for existing staff and terms for newly recruited cabin personnel. As of January 1, 2023, basic monthly pay will be increased by €250.00 and annual pay will be subject to a 2.5% increase as of July 1, 2023. In addition, pay for all new cabin personnel will be increased by more than 17% and cabin personnel on the highest current grade will also receive a 9% increase in their monthly salary. This collective agreement comes on top of the five one-off payments totalling €1,200.00 for all cabin personnel which was agreed back in August in relation to recent developments in cost-of-living terms. The social partners have also agreed on a new collective terms-of-employment agreement that offers new and more flexible part-time employment models for more productivity, particularly in the summer months when there is an increased demand for air travel. The conclusion of the new collective pay and terms-of-employment agreement also formally ends the crisis agreement concluded in June 2020 in response to the coronavirus pandemic. This new agreement is still subject to the approval of the relevant bodies and UFO members. (£1.00 = €1.15 at time of publication)

INDUSTRY PEOPLE



Doug Keatinge

over 20 years' experience in public relations and journalism, most recently as a Partner at Murray Group, a leading PR consultancy. Keatinge has also worked as a journalist for Irish broadcaster RTÉ and Bloomberg and in investor relations and strategy roles for Digicel and L.E.K Consulting.

- AirAsia X (AAX) today announced key changes in the senior management team as it prepares for the next phase of growth as a mid-range airline. **Tony Fernandes**, who was recently appointed as the Acting Group CEO in addition to his position as a Non-Independent Non-Executive Director of AAX in July this year, will be stepping down from his senior leadership positions with AAX, ensuring a smooth transition in leadership. **Tunku Dato' Mahmood Fawzy** will be appointed as the Independent Non-Executive Director of Thai AirAsia X (TAAX), both effective as of October 31. Following the announcement, Tunku Dato' Mahmood Fawzy will focus on overseeing the strategic direction and driving sustainable growth for the medium-haul airline group – AAX and TAAX.



David Tasker

- Chapman Freeborn, a global air charter specialist and part of Avia Solutions Group, has appointed **David Tasker** as Director – Government & Humanitarian. Tasker brings over 30 years of logistics experience to the role, including six years as Vice President Global Defence at DB Schenker and 13 years as Head of DSCOM, where he was responsible for all transport movements across Europe, as well as procurement and tender analysis for the MOD (Ministry of Defence). In his role of Global Director – Government & Humanitarian, Tasker will be developing governmental and humanitarian air opportunities on a global scale, ensuring this happens in a coordinated, centralised and transparent manner across the Chapman Freeborn Group.



Photo: BGS has signed a new agreement with SkyUp Airlines from Ukraine

Baltic Ground Services (BGS), an international provider of ground handling, aircraft fuelling and logistics services and a family member of **Avia Solutions Group**, has signed a new contract with Ukrainian carrier **SkyUp Airlines**. Under the new contract, BGS will be providing SkyUp Airlines with ground handling services at Vilnius International Airport in Lithuania as well as plane fuelling services at Riga International Airport in Latvia and Tallinn International Airport in Estonia. The contract for services in Vilnius is signed for a period of three years, while at this moment, services in Riga and Tallinn will be provided for six months. This is the first time the companies will be working together.

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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
A319-112	Deucalion Aviation Limited	CFM56-5B63	3586	2008	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A319-133	Deucalion Aviation Limited	V2533M-A5	2965	2007	Q4/2022	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A319-131	Deucalion Aviation Limited	V2522-A5	2375	2005	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-200	BBAM	CFM56-5B4/3	6467	2015	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A320-200	ORIX Aviation	CFM56-5B4/3	4714	2011	Q3/2023	Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	ORIX Aviation	CFM56-5B4/P	2620	2005	Q2/2023	Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	Deucalion Aviation Limited	V2527-A5	4552	2010	Now	Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
A320-233ceo	FPG Amentum	V2527E-A5	4457	2010	Now	Sale / Lease	Lei Ma	ma.lei@fpg-amentum.aero	+852 9199 1875
A330-200	Doric	Trent 772B-60/16	1407	2013	Q4/2022	Sale / Lease	Maurick Groeneveld	maurick.groeneveld@doric.com	+49 (0)69 247559931
A330-200	GA Telesis	PW4168A	322	2000	Jul 2022	Sale / Lease	David Byrne	aircraft@gatelesis.com	+353 86 780 8974
A330-300	BBAM	Trent 772B-60	1633	2015	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	Trent 772B-60	1609	2015	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A330-300	BBAM	Trent 772B-60	1482	2014	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
A350-900	ORIX Aviation	TRENTXWB-84	391	2020	Now	Sale / Lease	Cian Coakley	cian.coakley@orix.ie	+353 86 335 0004
B737-300	Deucalion Aviation Limited	CFM56-3C1	4552	1998	Q2/2023	Sale	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
B737-800	BBAM	CFM56-7B26/3	29637	2009	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B737-800	ORIX Aviation	CFM56-7B26/3	35216	2007	Now	Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B24E	40318	2012	Now	Lease	Oisín Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-900	BBAM	CFM56-7B26/3	34953	2007	Now	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B757-200 Cargo	Airwork Ireland Limited	RB211-535E4	27051	1995	Now	Lease	Robbie Brazel	robbie.brazel@airworkgroup.com	+353 87 372 8262
B757-200 Cargo	Airwork Ireland Limited	RB211-535E4	25297	1992	Q4/2022	Lease	Robbie Brazel	robbie.brazel@airworkgroup.com	+353 87 372 8262
B737-900ER	Deucalion Aviation Limited	CFM56-7B26	35717	2007	Now	Sale / Lease	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
B777-300ER	BBAM	GE90-115BL	38407	2011	Mar 2023	Sale / Lease	Steve Zissis	info@bbam.com	+1 787 665 7039
B777-300ER	ALTAVAIR	GE90-115B	34600	2006	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
B777-300ER	ALTAVAIR	GE90-115B	39700	2009	Now	Sale / Lease	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493



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

AE3007 Engines		Sale / Lease	Company	Contact	Email	Phone
(2) AE3007A1E		Now - Lease	Aircraft and Engine Lease Corp.		fleetmanager@aalc.aero	
CF34 Engines		Sale / Lease	Company	Contact	Email	Phone
CF34-8E5		Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E		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				
(4) CF34-10E6		Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) 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



THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Engines (cont.)

CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CF6-80E1	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CFM56-5B3/3	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiaaviation.com	+1 786-785-0777
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-5B3/P	Now - Lease				
(1) CFM56-5B1/P	Now - Lease				
(1)CFM56-7B24	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(3) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CFM56-7B24/E	Now - Lease				
(1) CFM56-7B26	Now - Lease				
(2) CFM56-5C4/P	Now - Lease				
(2) CFM56-5C4	Now - Lease				
(2) CFM56-7B26E	Now - Lease				
(2) CFM56-5B5/P	Now - Sale / Lease	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7040
(1) CFM56-5B4/P	Now - Sale / Lease				
(2) CFM56-5B6	Now - Sale / Lease				
(1) CFM56-5A3	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)1357 521144
(1) CFM56-5B2/P	Now - Sale/Lease/Exch.	Contrail Aviation Support	Mark Shaw	mark@contrail.com	+33 6 5834 1965
(2) CFM56-7B22	Now - Lease	Deucalion Aviation Limited	Jonathan Louch	aircraft@deucalion.com	+44 207 256 4449
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B24/E	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(1) CFM56-5C4/P (u/s)	Now - Sale	Castlake	Stuart MacGregor	Stuart.macgregor@castlake.com	+44 207 190 6138
(1) CFM56-7B22/3	Now - Lease				
(1) CFM56-5B3/P	Now - Sale	FL Technics	Modestas Valiusevicius	m.valiusevicius@fltechnics.com	+370 5 252 5015
(1) CFM56-5B6/3	Now - Sale / Lease	GA Telesis		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
(1) LEAP-1A35	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) LEAP-1B28	Now - Lease				
PW1100G Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW1100G-JM	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
PW 4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW4168	Now - Sale / Lease	Castlake	Graeme Dodd	Graeme.dodd@castlake.com	+44 207 190 6138
(2) PW4168A	Now - Sale / Lease	GA Telesis		engines@gatelesis.com	
(1) PW4168A	Q4/2022 - Sale	ALTAVAIR	Clive Bowen	clive.bowen@altavair.com	+44 7899 892493
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
(1) PW123	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(1) PW127M	Nov 15 - 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	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) Trent XWB-84	Now - Sale/Lease/Exch.				
(1) Trent 556-61	Now - Sale/Lease/Exch.				
(1) Trent 772B-60	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) V2527-A5	Q3/2022 - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	RRPF Marketing	RRPFMarketing@rolls-royce.com	+44 7528975877
(1) V2533-A5	Now - Sale/Lease/Exch.				
(3) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2524-A5	Now - Lease				
(3) V2527-A5	Now - Lease				
(2) V2527-A5	Now - Sale / Lease	Castlelake	Graeme Dodd	Graeme.dodd@castlelake.com	+44 207 190 6138
(1) V2533-A5	Now - Lease	FTAI Aviation LLC	Mark Napoles	mnapoles@ftaiairline.com	+1 786-785-0777
(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				
(4) 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,	Now - Sale	Setna IO	David Chaimovitz	david@setnaio.com	+1-312-549-4459
(1) GTC331-9B					
(1) A321 Enhanced Landing Gear 2020 OH					
(2) A320, (2) A330, (1) A340 Landing Gear Shipsets		GA Telesis		landinggearsales@gatelesis.com	
(1) A320 ENH NLG					
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) GTC331-500B	Now - Sale/Lease/Exch.	BBAM	Steve Zissis	info@bbam.com	+1 787 665 7039
(2) APS2300, (1) APS3200	Now - Sale / Lease	DASI	Chris Glascock	chris.glascock@dasi.com	+1 954-801-3592
((1) GTC331-200ER, (2) RE220RJ	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 954-683-1893
(2) GTC331-150RJ					
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Now - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(3) GTC331-9B		GA Telesis	Jay Meshay	apu@gatelesis.com	+1-954-849-3509
(1) GTC331-350, (1) GTC331-500, (1) APS3200B, (1) 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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