

Weekly Aviation Headline News

WORLD NEWS

JetBlue rolls out face recognition boarding passes

JetBlue in partnership with U.S. Customs and Border Protection (CBP), announced the roll-out of its first fully-integrated biometric self-boarding gate at New York's John F. Kennedy International Airport (JFK). Passengers flying to select international destinations from Terminal 5 at New York-JFK can now board even faster with a dual lane biometric self-boarding gate, which uses facial recognition technology to verify travellers with a quick photo capture.

London Stansted gets go ahead for growth

London Stansted's planning application to increase the number of passengers it is permitted to serve to 43 million a year has been approved by Uttlesford District Council. Welcoming the decision, London Stansted's CEO, Ken O'Toole, said: "We are delighted that Uttlesford District Council has approved our planning application to enable the airport to grow over the next decade. This will boost our region's economic growth and deliver 5,000 additional jobs at London Stansted Airport."

Qatar Airways to add Montreal services

Qatar Airways announced that it will introduce an additional weekly flight to its popular Doha - Montreal route from 17 December 2018. The additional service will be operated by the airline's flagship Boeing 777 aircraft, taking the route to four-times-weekly. Qatar Airways Group Chief Executive, His Excellency Mr. Akbar Al Baker, said: "We are very pleased to introduce this extra weekly service on one of our most popular routes for our long-haul Canadian passengers."



Flybe is seeking a sale or a merger.

Photo: Flybe

Flybe's bumpy ride

UK carrier hits financial turbulence

European regional carrier Flybe is said to be putting itself up for sale. Just weeks after issuing a profit warning, the Exeter (UK) based carrier confirmed that it is in talks about a possible sale. Its reported that the group is already in discussions with several "strategic operators" about a potential sale and has hired advisers Evercore to help steer the review and sale process.

The airline was in talks earlier this year about a proposed deal that would have seen the parent firm of Aer Lingus Regional operator, Stobart, buy Flybe.

Those talks did not result in an offer for Flybe and the airline has been operating in an increasingly competitive environment characterised by fare wars, high fuel prices and consolidation. Financial analysts have now hinted that Stobart may

renew its efforts to buy the airline.

Uncertainties over Brexit has also shaken the operator.

Christine Ormières-Widener, the airline's CEO, blamed several fac-

or a merger with a rival, although the airline is yet to confirm this. Its shares rocketed nearly 30% on the news. Ryanair has been named as a possible significant beneficiary but unlikely an outright buyer.

The Exeter-based airline is now valued at about £25m, far below the £215m it was valued at when it floated on the stock exchange in 2010.

"We remain confident in the vital role that Flybe plays in UK connectivity."

Christine Ormières-Widener, Flybe CEO

tors for the downturn. "There has been a recent softening in growth in the short-haul market, as well as continued headwinds from higher fuel and currency costs," she said. "We are responding to this by reviewing every aspect of our business. We remain confident in the vital role that Flybe plays in UK connectivity."

Reports in the British media have suggested Flybe is seeking a sale

Analysts believe the airline's problems are just the icing on the cake. The sale is in reality the culmination of a series of management missteps over the last decade as the company struggled to find a profitable niche. It was squeezed from below by smaller, more nimble rivals, and from above by the likes of EasyJet and Ryanair.



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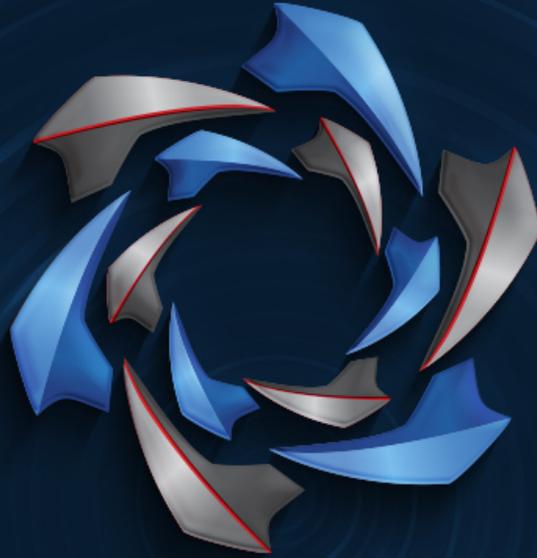
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AIRCRAFT & ENGINE NEWS

CDB Aviation takes delivery of 100th A320 Family aircraft from Airbus

CDB Aviation, a wholly owned Irish subsidiary of China Development Bank Financial Leasing Co., has taken delivery of its 100th Airbus A320 Family aircraft. The A320neo aircraft, which will be operated by India's low-cost carrier Go Airlines, is part of a purchase-and-leaseback agreement signed with the carrier earlier in 2018. The delivery marks the 125th overall Airbus aircraft to join the lessor's fleet. The aircraft will join GoAir's all-A320 fleet and will be operated on the carrier's network that connects prominent business metros and leisure destinations across the Indian subcontinent. Coinciding with the delivery, CDB Aviation and GoAir announced the signing of a purchase and leaseback agreement for the 14th A320neo, which will be delivered toward the end of the year.

Avolon places 15 Airbus A320neo aircraft with Vistara

Avolon, the international aircraft leasing company, has announced the placement of fifteen Airbus A320neo aircraft with Vistara, one of India's leading full-service carriers and a joint venture of Tata Sons and Singapore Airlines. Delivery of the aircraft will commence in June 2019 and continue up to August 2021. These are the first aircraft Avolon will have on lease to Vistara.

Go2Sky phases out last Boeing 737-400 Classic aircraft

Go2Sky of Slovakia has sold its last remaining Boeing 737-400 aircraft, MSN 28882, to Air Vega Bulgaria. The aircraft was manufactured in 1997 and was previously operated by CSA Czech Airlines and Sky Airlines of Turkey. The sale was arranged by ISIS Aviation Services of Norwich, England acting as sole agent on behalf of Go2Sky. This brings an end to Go2Sky's Boeing 737-400 operations af-

Orders and deliveries – Boeing and Airbus

Airbus v Boeing: Orders and Deliveries					
October 2018 YTD					
	Airbus		Boeing		
Type	Orders	Deliveries	Type	Orders	Deliveries
A320 Family	0	10	737	453	450
A330	264	462	747	14	5
A340	26	34	767	38	14
A350	36	70	777	28	38
A380	14	8	787	109	118
Total	340	584	Total	642	625

Source: Airbus

Source: Boeing

Airbus logged a combined total of 85 orders in October for NEO versions of its single-aisle A320 and widebody A330 jetliner families while delivering 81 aircraft from the A220, A320 and A330 and A350 XWB product lines during the month.

Boeing generated orders for 18 aircraft in October and deliveries totalled 57 including 737s, 767, 777s and 787s.

SaudiGulf Airlines to add ten Airbus A320neo-family aircraft

Al-Qahtani Aviation, owner of SaudiGulf Airlines, has signed an agreement to purchase ten A320neo-family aircraft. The commitment was announced today at the Bahrain International Airshow, which runs until the November 16, 2018. SaudiGulf Airlines currently operates a fleet of six A320 aircraft from its hub in Dammam. The carrier commenced operations in 2016 serving domestic destinations across the Kingdom prior to expanding to international routes. In October 2018, the airline launched its second international destination with flights to four locations in Pakistan.



Al-Qahtani Aviation, owner of SaudiGulf Airlines, signs agreement to purchase ten A320neo-family aircraft
Photo: Airbus

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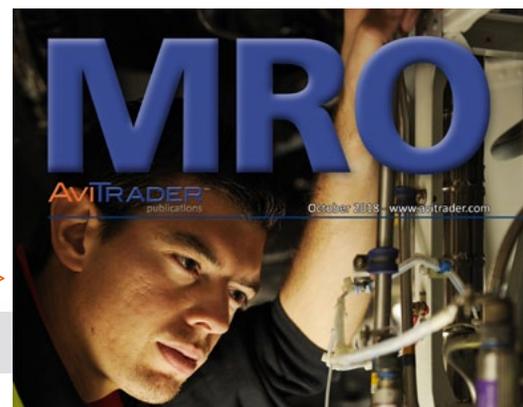
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ter more than five successful years since its inception with this aircraft type back in 2013. Go2Sky's focus will now be on an all Boeing 737-800NG fleet and the airline is in advanced discussions to source its fourth aircraft of the type. The aircraft was delivered to the buyer in Belgrade on November 9, 2018, for onward lease to Cargo Air of Bulgaria. Cargo Air will initially utilize the aircraft on passenger ACMI contracts with a view to future freighter conversion.

ATR 42-600 proves its capabilities in serving high-altitude airports with successful Demo Tour

Franco-Italian turboprop manufacturer ATR has finished the successful demonstration of its 42-600 series aircraft's high-altitude performance in challenging mountainous environments. The Demo Tour saw the aircraft visit several airports in Yunnan Province, South-Western China, such as Diqing, Lijiang and Kunming. With a specially designed Chinese livery prominently displaying the words 'Highland Eagle' in Mandarin script, the aircraft lived up to its name by taking-off from and landing at Diqing – situated 3,287m, or 10,787 feet above sea level – the highest altitude airport that an ATR 42-600 has ever served and for which is it fully certified. Officials and pilots from local airlines were on board throughout the tour to witness first-hand the operational capabilities and the innovation that drives its market-leading performance. ATR Chief Executive Officer Stefano Bortoli was present to celebrate the achievement and commented that "The ATR 42-600, after arriving in Diqing, has achieved another record, going up to its highest taking-off and landing levels. The fact that it operates perfectly from challenging airfields offering the lowest operational costs, shows that it is the perfect modern solution to enhance China's regional connectivity. No other regional aircraft in production could regularly serve Diqing in a general aviation configuration and this highlights its remarkable versatility and performance, even in 'hot and high' conditions, surrounded by challenging terrain. I thank all those that have made this demo tour in Yunnan a success."

Arkia Israeli Airlines takes delivery of world's first Airbus A321LR



Arkia Israeli Airlines becomes launch operator of the A321LR

Photo: Airbus

Tel Aviv-based Arkia Israeli Airlines, which is majority owned by Jordache Enterprises, has taken delivery of its first Airbus A321LR, becoming the launch operator of this large single-aisle aircraft. The A321LR is the latest version of the best-selling A321 Family and allows operators the flexibility to fly long-range (LR) operations of up to 4,000nm (7,400km) and to tap into new long-haul markets which were not previously accessible with single-aisle aircraft. The new LR cabin configuration allows airlines to offer each passenger more space and premium products for wide-body comfort. Powered by LEAP CFM motors, Arkia's A321LR fleet will be configured with 220 seats in a single-class layout. Arkia Israeli Airlines received its first A321LR from Hamburg, Germany.

Spain's Binter, will receive first E195-E2 in 2019



Spanish carrier Binter will receive its first E195-E2 in 2019

Photo: Embraer

Binter Canarias of Spain will receive its first E195-E2 jet in the second half of 2019, becoming the first European customer of the E-Jets E2's largest model. The airline has signed a firm order with Embraer for three E195-E2s. The contract also includes purchase rights for two additional aircraft of the same model. This agreement was previously announced as a Letter of Intent (LoI) with an "undisclosed customer" at the Farnborough Air Show in July 2018. With all options being exercised, the contract has a list price of US\$342 million. The order was included in Embraer's third-quarter backlog of 2018. The airline will configure the aircraft with 132 seats in a very comfortable single-class layout.

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BelugaXL arrives at Airbus' Bremen site



The Beluga XL landing in Bremen, Germany

Photo: Airbus

Touching down in Bremen, Germany for the first time on November 14, the BelugaXL will remain at this major Airbus site while performing loading and unloading tests as part of the airlifter's validation and certification process. As the first of five upsized transporters to carry complete sections of Airbus aircraft from different production sites around Europe to the company's final assembly lines in Toulouse,

France and Hamburg, Germany, the BelugaXL is a highly modified version of the Airbus A330 freighter variant. The BelugaXL's flight test campaign was initiated with the No.1 aircraft's maiden flight on July 19, 2018 from Airbus' Toulouse, France headquartered operation. Once all tests are completed and certification is granted, BelugaXLs will begin regular operations starting late next year. The five airlifters

will gradually replace a similar number of Beluga STs, which are derived from the smaller A330-600 jetliner version and have been in service since 1995. Bremen is well-prepared to welcome the BelugaXL. The unloading facility for Belugas at this Airbus industrial site was adapted to the new aircraft's size, while the loading hangar has been equipped with a new rolling shutter door that completely encloses the front fuselage during the loading process. On its way to Bremen, the BelugaXL performed a fly-past of the Airbus facility in Hamburg, which also will become a regular stopover in the airlifter's transportation rotations. Additionally, it overflew Airbus' plant in the German city of Stade. The No. 1 BelugaXL is easily recognizable with its smiling "face," which reinforces the aircraft's resemblance to a Beluga whale. With a length of 63 meters, the BelugaXL is approximately seven meters longer than its Beluga ST predecessor and incorporates a highly enlarged cargo bay structure and modified rear and tail section. The BelugaXL fleet will increase Airbus' air transport capacity for the company's industrial network by about 30%.

Aurora Flight Sciences Unveils Odysseus – a Solar-powered Autonomous Aircraft

Headquartered in Manassas, Virginia, Aurora Flight Sciences (Aurora) has unveiled Odysseus, the company's solar-powered autonomous aircraft, now the world's most capable aircraft of its type. Combining advanced solar cells with lightweight materials, Odysseus is an ultra-long endurance, high-altitude platform which can effectively fly indefinitely, powered solely by clean, renewable energy. "Aurora was founded by the idea that technology and innovation can provide powerful solutions to tough problems that affect all of humankind. Odysseus was an idea born out of Daedalus [a 1988 human-powered 72-mile flight] that is now a real solution to advancing the important research around climate change and other atmospheric chemistry problems," said Aurora President and CEO John Langford." According to Aurora, an independent subsidiary of Boeing, a number of key enabling factors inspired by the Daedalus project have propelled the Odysseus project forward:

- Odysseus can persistently and autonomously remain on station. This enables communication and data gathering over a specific location. No other solar aircraft offers this capability.
- Odysseus has a greater year-round global operating zone than any other vehicle in its class.



Odysseus

Photo: Aurora Flight Sciences

- Odysseus can carry a larger payload than any other aircraft in development or production in its class. This enables more missions and better resulting data quality from each mission.
- Odysseus can be deployed at a fraction of the cost of a satellite and can spend dramatically more time aloft than a conventional UAV. It can receive payload and hardware options and can be quickly customized, re-tasked, and re-located as missions evolve. Odysseus is a first-class solution for climate and weather researchers. Its payload capacity provides

researchers with long-term, high-resolution observation capabilities, while also being capable of measuring vegetation, ice coverage and flow rates, and even ground moisture. Weather and storm monitoring during peak seasons are now more affordable and accurate through Odysseus' ability to track and measure the movement of severe weather events, all while powered by clean energy. Odysseus' first flight is scheduled for the Spring of 2019.

MRO & PRODUCTION NEWS

Kellstrom Aerospace acquires ex-Avion Express A319-100

Kellstrom Aerospace has acquired ex-Avion Express A319-100, MSN1778, powered by CFM56-5B engines. The aircraft is being disassembled in the UK to support Kellstrom Aerospace airline customers with rotatable airframe inventory. Kellstrom Commercial Aerospace is one of the largest supply chain partners to leading OEMs, airlines, leasing companies, financial institutions, air transport operators and MRO's worldwide.

STG Aerospace awarded FAA certification for its Airbus liTeMood® cabin lighting solution

STG Aerospace, the pioneering aircraft cabin lighting specialist, is delighted to announce that its Airbus liTeMood® solution is now FAA certified for the Airbus A318, A319, A320 and A321. This complements the EASA certification that it was awarded in August of this year. Airbus liTeMood® is a dynamic and configurable full color, plug-and-play, programmable retrofit lighting system that provides a choice of over 16 million colors and can be used to create bespoke scenes – from the northern lights to sunrises and sunsets, to settings specifically designed to celebrate national holidays – in just minutes using a patented infrared wand. Designed to work with both classic and enhanced CIDS, the system can be installed in under six hours with no changes required to the aircraft's wiring or control panels. Airbus liTeMood® also delivers a range of operational benefits, including an MTBF in excess of 55,000 operating hours, a weight saving of up to 20kg on an A320, and a reduction in power usage of 55% compared to incumbent systems.

Cebu Pacific Air adds A321s to AFI KLM E&M components contract

Cebu Pacific Air has expanded its component support contract with Air France Industries KLM Engineering & Maintenance (AFI KLM E&M) to include seven A321ceo and 32 A321neo aircraft. This is on top of the component support agreement signed last year between Cebu Pacific and AFI KLM E&M covering its fleet of Airbus A320 aircraft. The array of services provided under the long-term contract includes component repairs from Europe and Singapore, as well as access to a local spares pool. The contract extension bolsters AFI KLM E&M's leadership position across the region, embodied in particular through its local joint venture with Sabena technics, Singapore Component Solutions (SCS), a component repair shop launched in September 2016. Operating out of Seletar international airport, with

Leonardo awarded contract for 22 new AW169M helicopter variant by Italy's Guardia di Finanza



Original AW169 s

Photo: Leonardo

Leonardo has announced the signing of a contract with Italy's Guardia di Finanza for 22 new generation AW169M twin engine helicopters. The contract, valued at €280 million, includes a comprehensive support and training package which could be further extended with optional services valued at an additional €100 million. Deliveries are expected to start in summer 2019 and to be completed by 2024. The aircraft will be used to perform a range of roles including patrol and reconnaissance, law enforcement, rescue and homeland security, complementing a fleet of 14 AW139 intermediate twins, six of which are already in service and the following eight due to be delivered in 2019.

Flynas becomes first Saudi carrier to receive the A320neo



Flynas receives first A320neo aircraft

Photo: Airbus

Flynas, Saudi Arabia's first low-cost airline, has begun taking delivery of its first of 80 A320neo Family aircraft. This follows an agreement signed in January 2017, with deliveries scheduled to take place from 2018 to 2026. Flynas is the first operator in Saudi Arabia to acquire the A320neo and currently operates a fleet of 30 A320neos. The A320neo, powered by CFM LEAP-1A engines, will support Flynas' expansion plans while providing greater operational efficiency and passenger comfort. Saudi Arabia is the largest domestic aviation market in the Middle East. Since its inception in 2007, Flynas has set ambitious growth plans that continuously develop its fleet in order to carry more passengers. In 2017, the airline carried more than 6.4m passengers and over 3m passengers during the first half of 2018.

MRO & PRODUCTION NEWS

some 6,500 m² of repair facilities, SCS is one of the region's leading multi-product and multi-fleet players. SCS specializes in repairs for A320, A330, ATR and Fokker 100 fleets with a comprehensive offering for avionics, mechanical and pneumatic components, along with aerostructure, cabin and safety components.

Singapore Component Solutions and Liebherr-Aerospace sign MRO cooperation agreement

Singapore Component Solutions (SCS), a joint venture between AFI KLM E&M and Sabena technics, dedicated to component support for ATR and Airbus A320 aircraft fleets, and Liebherr-Aerospace, a leading supplier of systems for the aviation industry, finalized the signature of a cooperation agreement at the MRO Asia-Pacific event. Under the terms of the agreement, Liebherr-Aerospace will assist and support SCS in developing industrial capabilities dedicated to the A320 heat exchangers manufactured by Liebherr. SCS will thus join the Liebherr worldwide network for heat exchanger maintenance. Through this partnership agreement, SCS will be qualified to carry out maintenance work on Liebherr-designed heat exchangers – more precisely from cleaning up to repairs, excluding renovation and reconstruction. In exchange, the Air France-KLM Group will make use of Liebherr services for work requiring the “recoring” (renovation, reconstruction) of defective heat exchangers. In combining the know-how and expertise of a world leader in aircraft maintenance and those of a major OEM, AFI KLM E&M, via SCS, its joint venture with Sabena technics, and Liebherr are now able to offer high-level dedicated heat exchanger support solutions in terms of TAT and cost, for the benefit of their client airlines.

GA Telesis signs repair management agreements with three Eurasian customers

GA Telesis, (GAT) has announced that the Company's Component Solutions Group (CSG) Istanbul customer support office has signed repair management agreements in the third quarter with three leading Eurasian-based airlines and MROs for repair management services utilizing GAT's iGEAR program. The aforementioned contracts will support a total of 80 Airbus and Boeing single-aisle and twin-aisle aircraft as well as Bombardier and Embraer regional jets. The multi-year agreements span an average of five years and will support up to 150,000 annual flight hours of operation.

ATR estimates market of 100 regional turboprop aircraft for Japan up to 2025

ATR has presented a product and market update in Tokyo at the occasion of the visit of its new CEO, Stefano Bortoli. Considering market and socio-economic trends and developments, ATR estimates a need for around 100 turboprop aircraft up until 2025 to upgrade the existing fleet and in particular to open up new routes to respond to the need of the continuous tourism development within Japan as well as the further expansion of regional connections. Stefano Bortoli, CEO of ATR said: “Japan values the principles of state-of-the-art technology, efficiency and environmental protection. With its low operating costs, a low environmental footprint and a modern and passenger-friendly cabin, the ATR -600 series perfectly fit with the needs and expectations of the sophisticated Japanese market. The ATR is now well established in the Japanese regional aviation and we see an important growth potential for [the] next decade. Connecting smaller, isolated communities, increased local tourism and flights to world heritage sites as well as the celebration of two major worldwide sports events will boost regional travel in Japan and ATR is the ideal tool for offering country-wide connectivity.” ATR delivered its 1500th aircraft, an ATR 72-600 to Japan Air Commuter (JAC) in October. The first ATR delivered to Japan was an ATR 42-600 to Amakusa Airlines in 2015.



Rolls-Royce introduces new engine change service



HAECO Hong Kong's mechanics performing an inspection on a Trent XWB engine Photo: HAECO Group

Rolls-Royce has introduced a new Trent XWB Engine Change Service, with Hong Kong Aircraft Engineering Company Limited (HAECO Hong Kong) as its launch partner. The service enables Rolls-Royce customers to access its OEM expertise and supplier network, with Rolls-Royce acting as a one-stop shop to organise labour, parts and/or tooling for any Trent XWB engine change event. Offered on a time and material basis, Rolls-Royce customers are able to request a quote for their engine change event requirements from its 24/7 Aircraft Availability Centre, be that a home base or remote site location. HAECO Hong Kong has been selected as the first service provider to support Rolls-Royce in delivering the Engine Change Service, providing established capabilities and a long-standing relationship with Rolls-Royce. Rolls-Royce plans to continue to develop the service over time by creating a global network of service support providers, full integration with the CareStore services, including Foundation Services, and expansion of the service coverage to initially the Trent 7000 engine family, and potentially across the full Trent engine family.

MRO & PRODUCTION NEWS

Sky Aerospace Engineering completes test flight of first Ka-band Wi-Fi installation for Spirit Airlines' Airbus fleet

Orlando, Florida-based MRO Sky Aerospace Engineering (SAE) has completed a successful aircraft test flight after the modification of the first Spirit Airlines' A320 family-series aircraft. SAE has also completed the installation of the first Ka-band High Throughput Satellite (HTS) system fitted on A320 family aircraft; the system provides high-speed web browsing and streaming. Sky Aerospace Engineering entered into an agreement with Spirit Airlines, headquartered in Miramar, Florida, in August 2018. The agreement provides maintenance checks, repair and modifications of Spirit's fleet of Airbus 319, 320 and 321 aircraft at SAE's state-of-the-art hangar facility located in Orlando International Airport Florida. Additionally, SAE has accomplished the modification and installation of the Automatic Dependent Surveillance – Broadcast (ADS-B) system – the first of its kind within the A320 aircraft family – for Spirit Airlines, which will become mandatory by the Federal Aviation Administration (FAA) on January 1, 2020.

GKN Aerospace steps into wide-body MRO market

GKN Aerospace's Fokker Techniek business has successfully completed its first major Airbus A330 maintenance project. The aircraft was delivered to Air Europa at the beginning of November, marking another milestone in the company's long history as an aircraft MRO. Air Europa (Spain) has previously awarded heavy maintenance projects for its 737 narrow-body fleet

Magnetic MRO paints airBaltic's A220-300 in special livery



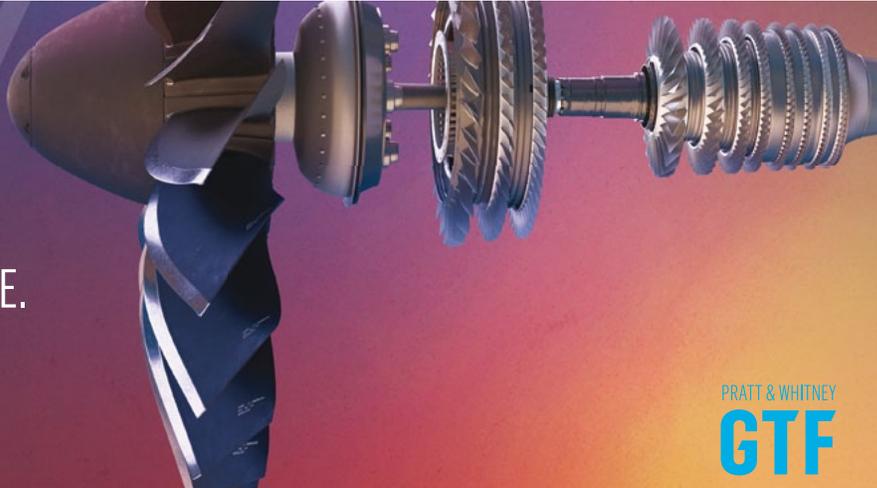
Magnetic MRO Painting team with airBaltic's A220-300 in special livery

Photo: Magnetic MRO

Magnetic MRO has painted Latvian airline airBaltic's A220-300 aircraft in a unique one-off livery, celebrating Latvia's 100th birthday. One of the first A220 aircraft painted outside of OEM, the special project was completed under secrecy in Magnetic MRO's Tallinn Paint Hangar in cooperation with airBaltic and coatings partner AkzoNobel. The special livery was unveiled at an official ceremony at Riga Airport on Friday, November 9, in the presence of the President of Latvia, Raimonds Vējonis, and the CEO of Air Baltic, Martin Gaus. The unique livery, depicting Latvia's flag colors on the fuselage was applied onto airBaltic's newest-generation aircraft, the A220-300. The one-month-old aircraft registered as YL-CSL will now fly across Europe and Asia, spreading the message of Latvia's 100th birthday.



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to GKN Aerospace’s Fokker Techniek business. Last year the company successfully performed a cabin modification package on another A330. The required training, tooling and equipment for wide-body maintenance have now all been obtained. Approvals and further commitments are secured to add this first wide-body aircraft type to the portfolio.

FINANCIAL NEWS

ATSG completes Omni Air acquisition

Air Transport Services Group has completed the previously announced acquisition of Omni Air International (Omni Air), a passenger ACMI and charter services provider, along with related entities, for US\$845 million, subject to customary adjustments. In contemplation of the Omni purchase, ATSG has agreed to amend its senior credit facility with a consortium of banks led by SunTrust Bank, previously dated May 31, 2016. The new amended agreement has an aggregate principal amount of US\$1.28 billion, consisting of the continuing secured revolving credit facility of US\$545 million, a continuing secured term loan with a current balance of US\$60 million, and a new US\$675 million secured term loan. The maturity date of these loans is May 30, 2023. The amended facility includes an accordion feature that would allow the total amount of borrowings under the facility to increase by up to US\$400 million, assuming certain conditions and with bank consent. The total amount of additional debt ATSG and its subsidiaries may incur outside of the amended facility increases from US\$300 million to US\$500 million. Credit terms are consistent with the existing facility, including with respect to provisions limiting ATSG’s ability to declare or pay dividends or repurchase shares, and requires ATSG to maintain specified financial ratios and minimum collateral values, and meet other financial condition tests. The facility is secured by substantially all of ATSG’s Boeing 777, 767 and 757 aircraft

40% jump in fuel price overshadows SIA’s progress in revenue

The SIA Group has reported an operating profit of S\$426 million in the first half of the 2018/19 financial year, a decline of S\$336 million (-44.1%) from last year’s restated profit of S\$762 million. Excluding one-off items of S\$175 million, however, the drop in operating profit would have been S\$161 million (-27.4%). The decline was a consequence of a S\$379 million (+20.4%) increase in fuel costs. Flown revenue for the Group rose by S\$422 million, contributed by passenger flown

Japan Airlines awards OEMServices component support of its A350 fleet



JAL and OEM Services sign component support agreement

Photo: OEMServices

OEMServices and Japan Airlines have signed a ten-year component support agreement for the airline’s planned fleet of thirty-one A350 aircraft. With the support of major Original Equipment Manufacturers (OEM), OEMServices’ Original Integrated Services will cover the component repair, global component availability and 24/7 component support for Japan Airlines’ fleet of Airbus A350-900 and A350-1000 aircraft. Within the scope of this contract, OEMServices will be supporting Japan Airlines’ 31 Airbus A350s currently on-order, backed by its unique long-term source of know-how of the aviation industry’s supply chain. This agreement confirms OEMServices leading position on the A350 component aftersales support.

Boeing-Safran JV Auxiliary Power Units get regulatory go-ahead



In a joint announcement from Chicago and Paris, Boeing and Safran have confirmed that the 50:50 joint venture to produce Auxiliary Power Units (APUs) has received regulatory approval. This will enable the two companies to commence with designing, building and servicing aircraft APUs -onboard engines that are primarily used to start the main engines and power aircraft systems while on the ground and, if necessary, in flight. The initial team will perform design work in San Diego, California.

Commenting on the news, Philippe Petitcolin, CEO of Safran, confirmed that “Safran is proud to launch this joint venture with Boeing in order to offer state-of-the-art APUs and enhance customer value. Together, we are committed to delivering innovative, highly technological and cost-competitive solutions to global customers. We are confident this joint team will provide first-class products and services within the best integrated industrial organization,” Safran currently supplies a wide range of components to Boeing commercial and defense programs, including as a partner to produce CFM’s LEAP-1B engine for the 737 MAX (through CFM International, a 50/50 JV between Safran Aircraft Engines and GE). Boeing and Safran also are partners in MATIS, a joint venture in Morocco producing wiring products for several airframe and engine companies. It has also been announced that Etienne Boisseau will become the Chief Executive Officer of the joint venture.

FINANCIAL NEWS

revenue +S\$346 million (+5.8%) and cargo flown revenue S\$76 million (+7.4%). Passenger flown revenue was lifted by an 8.8% increase in traffic, outpacing growth in capacity of 5.4%, driving passenger load factor for the Group's airlines in aggregate to rise 2.6% points to 83.6%. Passenger unit revenue (measured in revenue per available seat-kilometers) grew 1.3% as transformation efforts yielded positive results. Cargo flown revenue was S\$76 million (+7.4%) higher on stronger yields (+9.7%), partially offset by lower loads carried (-2.3%). Revenue contribution from engineering services fell S\$19 million (-7.9%) on lower airframe and fleet management activities. Together with other miscellaneous changes in revenue, and in the absence of non-recurring revenue, Group revenue improved by S\$195 million (+2.5%) to S\$7,907 million. Group net profit fell to S\$196 million, S\$435 million (-68.9%) lower than a year ago.

Sabre enters agreement to acquire Farelogix

Sabre Corporation has entered into an agreement to acquire Farelogix, a recognized innovator in the travel industry with advanced offer management and NDC order delivery technology used by many of the world's leading airlines. Sabre expects that upon close, the acquisition will allow the company to accelerate delivery of its end-to-end NDC-enabled retailing, distribution and fulfillment solutions. Based in Miami, FL, Farelogix provides a suite of SaaS solutions that enables carriers to dynamically create, control, optimize and deliver personalized and differentiated offers across sales channels. These airline-controlled retailing, merchandising and distribution capabilities complement Sabre's existing retailing and merchandising solutions and future product roadmap. At closing, Sabre will purchase Farelogix for approximately US\$360 million,

RECARO Aircraft Seating turnover rises to over €500 million



RECARO Aircraft Seating's turnover rises to over €500 million

Photo: RECARO

For the first time in the aircraft seat manufacturer's history, turnover is exceeding the 500 million euro mark. This strong growth confirms RECARO Aircraft Seating's five-year strategy. When it was introduced in 2013, sales turnover was just over €330 million, and the number of seats sold was just under 80,000. Current figures reflect continuous growth since that time. Chief Executive Officer and Shareholder Dr. Mark Hiller sees significant investment in several areas, including research and development, as a key reason behind the brand's success. "There are several strategic reasons why we are already exceeding the €500 million sales milestone with more than 110,000 seats during this current financial year," highlights Peter Müller, Executive Vice President Finance & Administration, adding that: "It was the right decision not to focus exclusively on market leadership in the area of economy class seats, but rather to invest in strengthening our position in the business class as well." Moreover, the fact that RECARO is now more customer- and service-oriented than ever before, is a result of positive changes within the company. This is not just at company headquarters in Schwaebisch Hall, Germany, but worldwide. While the establishment of a company presence in China (Hong Kong/Qingdao), which began five years ago, has already achieved great success for the Asian market, business in Latin America is currently being successfully developed as well. (€1.00 = US\$1.13 at time of publication.)

funded by cash on hand and revolver borrowing. Farelogix expects full-year 2018 revenue of approximately US\$40 million. The acquisition is expected to be neutral to Sabre's 2019 Adjusted

EPS. The acquisition is subject to customary closing conditions and regulatory approvals and is expected to close in late 2018 or early 2019.



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FINANCIAL NEWS

DAE reports financial results for the nine months ended September 30, 2018

Dubai Aerospace Enterprise (DAE) has reported financial results for the nine months ended September 30, 2018. Total Revenue was US\$1,069.2 million (AED 3,926.2 million), an increase of 124% from US\$477.5 million (AED 1,753.3 million) for the nine months ended September 30, 2017. Pre-Tax Profit was US\$333.5 million (AED 1,224.7 million) an increase of 333% from US\$77.1 million (AED 283.0 million) for the nine months ended September 30, 2017. Results included the results of the AWAS acquisition which was completed in August 2017.

DAE signs new US\$720 million revolving credit facility

Dubai Aerospace Enterprise (DAE) has signed a new unsecured US\$720 million revolving credit facility with a group of nine international banks based in the U.S., Europe and Asia. The credit facility has a maturity of five years.

MILITARY AND DEFENCE

Rockwell Collins awarded five-year U.S. Army contract to support operational readiness of CH-47F avionics

Rockwell Collins has secured a five-year contract with the U.S. Army Aviation and Missile Command (AMCOM) Logistics Center (ALC) to provide current component upgrades and additional component repair capabilities for the Common Avionics Architecture Systems (CAAS) on the Army's CH-47F Chinook helicopter fleet. Adopted by the U.S. Army as the standard for CH-47F cockpit avionics, CAAS provides flight crews with battle-proven situational awareness during missions. The system integrates multiple communications, navigation and mission subsystems through its flexible Flight2™ open systems architecture design and is currently fielded on over 500 aircraft worldwide.

Pratt & Whitney Canada delivers first PW127G engines destined for Canadian Fixed-Wing Search & Rescue operations

Pratt & Whitney Canada, has started delivering PW127G engines to Airbus Defence and Space in support of Canada's Fixed-Wing Search and Rescue Aircraft Replacement project. The en-

gines will be installed on specially configured Airbus C295 aircraft, which will be designated the CC-295 in Canada. The Canadian Department of National Defence (DND) is scheduled to receive the first of 16 CC-295 aircraft by the end of 2019. The DND intends to replace its existing search and rescue (SAR) fixed-wing aircraft with the CC-295. Pratt & Whitney Canada and Airbus Defence and Space have collaborated to offer the best possible aircraft to meet the Canadian Air Force's fixed-wing SAR requirements. Canada has a search area of 18 million square kilometers, making SAR operations challenging. With low fuel burn during cruising, the PW127G engine will provide the CC-295 aircraft with exceptional range and endurance for time-critical missions. Pratt & Whitney Canada has delivered more than 400 PW127G engines to Airbus Defence and Space for numerous C295 customers and variants. The PW100 engine family powers several aircraft families around the world, performing a variety of missions in diverse climates and flying conditions. The engine family consists of 38 engine models. With more than 9,500 engines delivered to date, the family has accumulated 190 million engine flight hours.

GKN Aerospace signs US\$66 million contract with Pratt & Whitney for F135 engine components

GKN Aerospace Norway has signed an eight-year agreement with Pratt & Whitney for the production of diffuser cases, low-pressure turbine cases and shafts for the F135 engine, which power the fifth-generation F-35 Lightning II fighter aircraft. The agreement also includes an extension for the supply of several shafts for Pratt & Whitney's F100, JT8D and FT8 engines. This contract expands GKN Aerospace's involvement in the F135 program and reinforces the company's role as a long-term supplier of engine components for Pratt & Whitney.

OTHER NEWS

In October 2018, **Frankfurt Airport (FRA)** welcomed almost 6.4 million passengers – an increase of 5.2% year-on-year. Thus, traffic grew at a slightly more moderate rate compared to the previous months of the year. From January to October 2018, FRA experienced accumulated growth of 8.0%. Aircraft movements increased at a slightly disproportionately higher rate, climbing by 6.3% year-on-year to 46,551 takeoffs and landings. Cargo throughput (airfreight + airmail) contracted marginally by 1.0% to about 193,374 metric tons, reflecting lower demand in global trade. Accumulated maximum takeoff weights (MTOWs) rose by 4.1% to around 2.8 million metric tons. Across the Group, airports in Fraport's international portfolio reported contin-

ued passenger growth. **Ljubljana Airport (LJU)** in Slovenia's capital city posted a 5.1% increase to 161,446 passengers. Fraport's Brazilian airports in **Fortaleza (FOR)** and **Porto Alegre (POA)** achieved combined growth of 5.2% to nearly 1.3 million passengers. The 14 Greek regional airports advanced by 6.1% overall, to almost 2.5 million passengers. The busiest airports in Fraport's Greek portfolio included **Thessaloniki (SKG)** with 586,683 passengers (up 6.1%), **Rhodes (RHO)** with 540,117 passengers (down 2.7%), and **Kos (KGS)** with 279,198 passengers (up 12.4%). Peru's **Lima Airport (LIM)** grew moderately by 3.3% to 1.9 million passengers in the reporting month. At the Fraport Twin Star airport's in **Varna (VAR)** and **Burgas (BOJ)** on the Bulgarian Black Sea coast, combined traffic soared by 26.2% to 154,661 passengers. **Antalya Airport (AYT)** in Turkey recorded the strongest growth in Fraport's international portfolio, with traffic rising by 29.2% to 3.7 million passengers. In October 2018, AYT reached 30 million passengers for the first time. As a result, the airport on the Turkish Riviera will hit a new all-time high for the full year. **Pulkovo Airport (LED)** in St. Petersburg, Russia, posted a 15.2% traffic gain to just over 1.5 million passengers. **Xi'an Airport (XIY)** in China welcomed nearly 4 million passengers, up 6.8%.

Honeywell has completed initial testing of its new safety technology that helps airlines and business jets avoid runway accidents and collisions. Developed under the Single European Sky Air Traffic Management Research program with program partners **Airbus**, **Dassault** and **Eurocontrol**, the software-based Surface Indications and Alert System (SURF IA) gives pilots visual and audio warnings about approaching hazards on the runway. In Europe, runway incursions, which can be costly and dangerous, occur at least twice daily. The technology is the latest among the safety-focused product breakthroughs and inventions that Honeywell has delivered to the aerospace industry, including SmartRunway and SmartLanding, the Enhanced Ground Proximity Warning System, and the SmartTraffic Collision Avoidance System. Traditionally, pilots have relied entirely on their line of sight and instructions from air traffic control to avoid collisions. The new Honeywell technology, through software-based data analysis and algorithms, provides early warning to aircrews, empowering pilots to make quicker decisions and avoid runway incursions. The system analyzes aircraft position data and calculates factors, such as time to collision, through specialized algorithms to alert pilots of surrounding aircraft. Honeywell's system is designed to require minimal changes to existing avionics and uses Automatic Dependent Surveillance-Broadcast Out data, a globally mandated technology upgrade due by 2020, to make installation of the solution quick and simple. After successful prototype testing aboard

OTHER NEWS

Honeywell’s test aircraft, Honeywell plans to begin full-scale production development.

Magnetic MRO, a global provider of Total Technical Care for aircraft operators and lessors, made a significant step towards becoming a fully paperless MRO. The company has decided to digitalize paper-based aircraft maintenance work orders, as well as introduce biometric e-signatures for aviation mechanics and other certifying staff. “Paper documents made their job back in those days when there was no other reliable alternative for keeping track of aircraft maintenance works. Today, highly secure digital storage systems provide an unprecedented level of reliability and security against manipulations or unauthorized edits,” comments Jan Kotka, the COO of Magnetic MRO. “With this in mind, we’ve made yet another important step towards a paperless environment by digitalizing aircraft maintenance work orders and securing them with fingerprint signatures. The new system has already received an approval from Estonian CAA.”

“Biometric e-signature and digital storage bring document management to a new level of transparency and security. Further on, the new system eliminates an unnecessary and time-consuming process of delivering work orders from the engineering department to maintenance shops and vice versa. What is particularly delighting, our clients will also benefit from the system, since all aircraft-related documents will now be available even faster,” shared Sergei Shkolnik, Magnetic MRO’s Base Maintenance Director.

Israel’s ministry of economy and industry, Israel Aerospace Industries (IAI), CyberArk, Check Point, Cockpit Innovation, Karamba Security and ClearSky have announced a new cyber consortium for the aviation industry. The announcement was made as part of the 5th International Conference of Homeland Security and Cyber, which is organized by Israel’s Export Institute. The new consortium includes long-standing Israeli companies, which are offering a broad range of aviation, security, intelligence and cyber solutions for the global market, alongside young startups with cutting edge cyber products and technologies. The consortium was established in order to offer comprehensive, end-to-end cyber security solutions for the commercial aviation industry: airports, airlines and aircraft. Additional Israeli companies have already expressed their interest in joining the consortium.

PANSA (the Polish Air Navigation Service Provider) and the **International Air Transport Association (IATA)** have announced the publication of the first edition of an **Airspace Strategy for Poland (ASP)**. It is anticipated that the demand



Falko establishes leasing business in China

Photo: Falko

Triangle Holdings has released that through **Falko Regional Aircraft Limited (Falco)**, it has established an aviation leasing company – **Falko (Tianjin) Leasing Co. (Falko Tianjin)** – in the Dongjiang Free Trade Port (DFTP) in Tianjin, China. This makes Falko the first foreign regional aircraft lessor to set up a leasing business in the DFTP. With this new entity in the DFTP, Falko Tianjin will be in the position to offer Chinese airlines a greater choice of regional aircraft leasing solutions. Jeremy Barnes, Chief Executive Officer of Falko Regional Aircraft Limited said: “We are extremely pleased to be the first foreign regional aircraft lessor to establish a leasing business in the DFTP zone in Tianjin. With Falko Tianjin we will be able to offer our specialist regional aircraft leasing capabilities to help the regional aircraft market to grow, which is in line with the Chinese government’s goal to improve regional air connectivity throughout China.”

for aviation in Poland will double over the next 20 years to an estimated 1.5 million flights per year. In that time, passenger volumes at Polish airports may increase to 68 million passengers a year. Poland will have to modernize its airspace and air traffic management (ATM) network to service this demand, while ensuring safety and improving environmental performance, plus reducing costs and delays. Successful airspace and ATM modernization could generate an extra €6.0 billion (US\$6.8 billion) in annual GDP and create 65,000 new Polish jobs by 2035. The ASP was jointly developed by IATA and PANSA and covers an agreed scope of initiatives on airspace modernization. Commenting on the announcement, Janusz Janiszewski, PANSA’s Acting President said: “I believe PANSA will provide an important contribution to the airspace modernization over Europe. Current evolving aviation market needs, especially the capacity demand, is a major factor which encouraged IATA and PANSA for this bottom-up initiative.”

“Current levels of airspace-related delays across Europe are a serious inconvenience for passengers and a drag on economic activity. The projected growth in passengers—which is particularly strong in Poland—will make these challenges more acute. So PANSA’s leadership in working with airlines on an Airspace Strategy for Poland is hugely significant. Working closely with PANSA, we can ensure that Polish airspace is optimized, bringing huge economic benefits

to the country”, said Rafael Schwartzman, IATA’s Regional Vice President for Europe. As part of a wider aim to provide for future demand for air transport, Poland is planning a new Central Transport Hub (CTH) project, including a large new airport.

INDUSTRY PEOPLE



Brian Rynott

Alton Aviation Consultancy has released that **Brian Rynott** has joined the company as Managing Director. Based in New York, he will contribute across all of the firm’s advisory practices, with an emphasis on aircraft financing and leasing, airline advisory and restructuring, and strategy and management consulting engagements. Rynott is an accomplished aviation industry executive and leader, bringing Alton Aviation Consultancy and its clients nearly 20 years of experience. Prior to joining Alton, he held the position of Chief Investment Officer with Intrepid Aviation, a commercial aircraft lessor, where his prima-

INDUSTRY PEOPLE

ry responsibilities included implementing, managing and directing the company's risk and portfolio management groups.



Stuart Itkin

• Exostar, a leader in trusted, secure business collaboration in aerospace and defense (A&D), life sciences, and healthcare, has reported that **Stuart Itkin** has joined the company as Vice President of Product Management. He will oversee all of Exostar's strategic and tactical product management and product marketing activities. Itkin has led product strategy, development, and execution for cybersecurity, supply chain technology and software businesses for more than twenty years, helping those companies deliver products and services that customers value. Most recently, Itkin oversaw cybersecurity company SAIFE, bringing its software-defined perimeter solutions for the intelligence community and Department of Defense into commercial markets and played a key role in its sale to a strategic buyer. He also led product marketing at cybersecurity companies ThreatTrack Security and PivotPoint Risk Analytics.



Eric Dollman

• GA Telesis (GAT) has appointed **Eric Dollman** as Vice President of its Leveraged Finance Group. Eric Dollman brings nearly 20 years of experience in the transportation finance and leasing sector to GAT. Dollman joins GA Telesis from Amur Capital Management, where he led the fixed- and rotary-wing aircraft business for over four years. His previous positions include American Express Co., where he led the global risk and strategy team responsible for American Express' portfolio of airline partners for over three years and HSH Nordbank AG, where he served as Senior Vice President – Aviation Finance Americas, originating aircraft secured loans for over six years. Joining the GA Telesis Leveraged Finance Group, Dollman will be responsible for transaction origination, loan execution and risk management.

Recommended Events



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Aircraft Economic Life Summit 2018

November 20, 2018 – Gibson Hotel, Dublin, Ireland

Inventory Optimization & Supply Chain Management 2019

February 19-20, 2019 – Palma de Majorca, Spain

Click here for more aviation events

• Hawaiian Airlines has appointed **Andrew Stanbury** to the role of regional director for Australia and New Zealand, effective Jan. 2. Stanbury will be responsible for leading Hawaiian's growing commercial activities in both countries. Stanbury brings diverse international knowledge and experience to Hawaiian. As executive general manager for global sales at Fiji Airways for the past three years, he has been responsible for all passenger revenue-related functions, including distribution, channel management and alliance sales. He replaces **Gai Tyrrell**, who served as Hawaiian's regional director for Australia and New Zealand from November 2014 until July 2018.

• West Star Aviation has named **Steve Goede** as the General Manager of the company's Chattanooga (CHA) facility. In his new position he will provide leadership for all aspects of the site including operations, planning and project management, quality control and building maintenance. Previously, Goede was instrumental in developing West Star's Landing Gear Overhaul and Accessory programs at the ALN, GJT and CHA locations. **Tom Hilboldt**, who was previously managing the location, will now shift his focus to maintenance operations located there, providing more technical oversight and support to ongoing expansion initiatives. His new title will be Director of Maintenance - CHA.



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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	ORIX Aviation	V2522-A5	1604	2001	Q1/2019	Sale	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A319-100	ORIX Aviation	V2522-A5	1445	2001	Q4/2019	Sale	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	ORIX Aviation	V2527-A5	4603	2011	Q1/2020	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A321-200	Castlelake	V2533-A5	3274	2007	Q4/2019	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
A321-231	Aircraft Recycling Intern.	V2533-A5	3241	2007	Q4/2019	Lease	Gabrielle Du	gabrielle.du@ariaero.com	+852 37537347
A321-231	Aircraft Recycling Intern.	V2533-A5	3251	2007	Q4/2019	Lease	Gabrielle Du	gabrielle.du@ariaero.com	+852 37537347
A330-200	Castlelake	CF6-80E1A4	473	2002	Q4/2019	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
A330-200	Castlelake	CF6-80E1A4	489	2003	Q4/2020	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
B737-5H6	Bristol Associates	CFM56-3C1	26445	1992	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B737-800	ORIX Aviation	CFM56-7B24E	40317	2012	Q4/2019	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B26/3	29660	2007	Q1/2020	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	Willis Lease				soon	Sale / Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
B747-400	Bristol Associates		28812	1999	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B747-400	Bristol Associates		30023	2000	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B757-223 (7x)	Jetran	RB211-535E4B	various	91/92	Now	Lease	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
(2) B787-800					soon	Sale / Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
ATR 72-202	ACI Aviation Consulting	PW124B	455	1995	Now	Sale / Lease	Quentin Brasie	Qbrasie@aciaviation.com	+1 540-428-4388
CRJ-200LR	Regional One	CF34-3B1	7369	2000	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10205	2005	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
CRJ-900LR	Regional One	CF34-8C5	15111	2007	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
DASH8-311	Regional One	PW123B	325	1992	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
Do328-100	Jetran	PW119B	3049	1996	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
Do328-110	Jetran	PW119B	3024	1994	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
Do328-110	Jetran	PW119B	3034	1995	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
ERJ-170LR	AerFin	CF34-8E	1700123		Now	Sale / Lease	Auvinash Narayen	Auvinash.Narayen@aerfin.com	+44 (0) 7766384581
ERJ-145LR	Regional One	AE3007A1	145304	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
ERJ-145LR	Regional One	AE3007A1	145331	2000	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
SF340B	C&L Aviation Group	CT7-9B	194	1990	Now	Sale / Lease	Fred Dibble	fred.d@cla.aero	+1 207-217-6128
SF340B+	C&L Aviation Group	CT7-9B	425	1997	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-217-6259
Saab 340B+	C&L Aviation Group	CT7-9B	368	1994	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-217-6259
SF340A Cargo	C&L Aviation Group	CT7-5A	046	1986	Now	Sale	Fred Dibble	fred.d@cla.aero	+1 207-217-6128

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THE AIRCRAFT AND ENGINE MARKETPLACE

Commerical Engines

Multiple Types	Sale / Lease	Company	Contact	Email	Phone
Multiple Engines GE / CFM / RB211	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
AE3007 Engines	Sale / Lease	Company	Contact	Email	Phone
(3) AE3007A1P	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
(1) AE3007A1	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
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				
CF34-3B1	Now - Lease				
CF34-3A	Now - Sale / Lease				
(2) CF34-8C5B1	Now - Sale / Lease	Regional One	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
(1) CF34-3B1	Now - Sale / Lease				
(2) CF34-10E7	Now - Sale/Lease/Exch.	Werner Aero	Cliff Topham	ctopham@werner aero.com	+1-703-402-7430
(1) CF34-8E5	Now - Sale / Lease	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 7930463293
(1) CF34-8E5A1	Oct 18 - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26	Now - Lease				
(1) CFM56-7B27/E	Now - Lease				
(1) CFM56-7B27	Now - Lease				
(1) CFM56-7B24	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) CFM56-7B26	Soon - Lease		Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) CFM56-3C1	Soon - Lease		Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) CFM56-3B1	Soon - Sale/Lease/Exch.		David Desaulniers	leasing@willislease.com	+1 415 516 4837
(1) CFM56-7B24/3	Soon - Sale/Lease/Exch.		Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775



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THE AIRCRAFT AND ENGINE MARKETPLACE

Commerical Engines (cont.)

(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-5B	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werner aero.com	+1-703-402-7430
(1) CFM56-7B	Now - Sale/Lease/Exch.				
(1) CFM56-5B3/P	Dec 18 - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CFM56-7B26	Jan 19 - Sale / Lease				
CT7 Engines	Sale / Lease	Company	Contact	Email	Phone
CT7-9B	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
JT8D and JT9D Engines	Sale / Lease	Company	Contact	Email	Phone
(1) JT8D-217C	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
(2) JT8D-219	Now - Sale	LCH Trading	Carlos Miranda	cmiranda@lchaerospace.com	+1 954-644-9617
(1) JT8D-217C	Now - Sale				
GENx Engines	Sale / Lease	Company	Contact	Email	Phone
(1) GENx	Soon - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
LEAP Engines	Sale / Lease	Company	Contact	Email	Phone
(1) LEAP-1A33	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(2) LEAP-1B28	Soon - Lease				
PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(1) PW121	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(2) PW123	Now - Sale / Lease				
(1) PW124B	Now - Sale / Lease				
(1) PW127E/F/M	Now - Sale / Lease				
(1) PW150A	Now - Sale / Lease				
(1) PW121	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 415 516 4837
(1) PW124B	Now - Sale/Lease/Exch.				
(2) PW123	Now - Sale/Lease/Exch.				
(1) PW127	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW120A	Now - Sale / Lease	Regional One	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
(1) PW120	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) PW123E	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(4) PW126	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) PW121	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
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				
PW127	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
(1) PW124B	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(2) PW127E/F			Remi Kryns	rkryns@logix.aero	+33.6.2079.1039
(4) PW127M					
(1) PW120 / PW121	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610

THE AIRCRAFT AND ENGINE MARKETPLACE

Commerical Engines (cont.)

(1) PW4056-3	Now - Sale/Lease	Jet Midwest	Kevin Lee	engines@jetmidwest.com	+1-310-652-0296
(1) PW4168	Soon - Sale	Willis Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
RB211 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) RB211-535	Now - Sale / Lease	Jet Midwest	Dave Williams	dave.williams@jetmidwest.com	+1-817-791-4930
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(2) Trent 892	Now - Sale / Lease	TrueAero, LLC.	Matt Parker	mparker@trueaero.com	+1 469-607-6110
(4) Trent 556	Now - Sale / Lease				
(1) Trent 772B	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) V2533-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
(1) V2533-A5	Now - Sale / Exchange	Willis Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
(1) V2533-A5	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werneraero.com	+1-703-402-7430

Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) A320-200 Landing Gear	Now - Sale/Lease/Exch.	TrueAero, LLC	Matt Parker	mparker@trueaero.com	+1 469-607-6110
A340-300/A330 Landing Gear	Now - Sale/Lease/Exch.				
A340-600 Landing Gear	Now - Sale/Lease/Exch.				
B777-200 Landing Gear	Now - Sale/Lease/Exch.				
Trent5562 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
Trent892 Inlet Cowls and Fan Cowls	Now - Sale/Lease/Exch.				
V2500-A5 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
CF6-80E Trust Reversers, Inlets & Fan Cowls	Now - Sale/Lease/Exch.				
(1) GTCP331-500B	Now - Sale/Lease/Exch.				
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azures.com	1-954-249-7935
GTCP36-300A, GTCP85-98DHF APU	Now - Sale/Lease/Exch.				
A320 Nose Landing Gear	Now - Sale/Lease/Exch.				
CFM56-3 LPT MODULE, REPAIRED	Now - Sale/Lease/Exch.				
CFM56-3 ENGINE STAND	Now - Lease				
(1) GTCP36-150RJ, (2) GTCP36-100M,	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) RE220RJ, (1) PW126 RGB, (1) PW901A					
(1) APS1000-C12, (1) APS1000-C3					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(1) PW901A APU	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)141 389 3014
(multiple) APS2300, (1) GTCP331-350C	Now - Sale / Lease	AirFin	Nick Filce	Nick.Filce@aerfin.com	+44 7770 618 791
(1) GTCP36-300A, (1) GTCP131-9A					
GTCP131-9A, GTCP131-9B, GTCP331-350C	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
GTCP331-500B, GTCP331-200/250,			Rich Lewsley	rlsley@logix.aero	+44.79.0021.8657
APS3200, APS2300, GTCP85-129H					
APU GTCP 331-500	Soon - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
Engine stands now available	Now - Lease				
ENGINE STANDS: Trent 800, PW4000 112"/V2500		National Aero Stands		support@stands.aero	+ 1 305-558-8973
/ CFM56/ PW2000 & Bootstrap kits					
GTCP131-9A, GTCP 131-9B	Now - Sale / Lease	Werner Aero Services	Julien Levy	jlevy@Werneraero.com	+1 201-674-9999
737-800 Winglets	Now - Sale / Lease				
737-700 & 737-800 Landing Gear	Now - Sale / Lease				
(3) APS 2300	Now - Sale/Lease/Exch.		Mike Cazaz	mike@werneraero.com	+1 201-661-6804
767-300 Winglets, LH-RH P/N 767-0010-5, -6, -7 & -8, SV- Now Sale		Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368