

Weekly Aviation Headline News

WORLD NEWS

Qatar Airways to increase South African services

Qatar Airways announced it will be increasing the number of weekly flights on its popular routes to South Africa from July 2019. Weekly flight frequencies to Johannesburg, South Africa's largest metropolis, will increase from 14 to 18 from July, rising to 19 in August. A further two flights will be added to the airline's winter schedule, taking the total number of weekly frequencies to 21 by the end of October 2019.

TIGERS opens new Miami facility

Supply chain specialist Tigers USA has moved its Miami, USA team into a new, larger facility to strengthen its focus on the Latin American region as well as meet growing global e-commerce demands. The new purpose-built facility, which will be led by Branch Manager Elena Varona, measures 34,115 sq ft, and includes a new office as well as a warehouse with nearly double the storage capacity of the previous Miami location.

Air Tanzania relaunches Zambia and Zimbabwe routes

Air Tanzania has relaunched their first regional route, connecting Dar es Salaam with Lusaka and Harare, using an A220-300. The airline will soon launch flights to Johannesburg, essentially taking back routes once upon a time operated by Fastjet before that airline lost their operating license. The airline also intends to launch their first long haul flight; using B787 Dreamliner. The first intercontinental link is understood to be Dubai.



BA is purchasing up to 42 777X aircraft.

Photo: Boeing

British Airways looks to Boeing

With 777-9 capacity for future growth

International Airlines Group (IAG) is ordering 18 Boeing 777-9 aircraft, plus 24 options, for British Airways. They will be used to replace 14 Boeing 747-400 and four Boeing 777-200 between 2022 and 2025. Each aircraft will be fitted with 325 seats in four cabins.

British Airways' 777-9 will be powered by General Electric GE9X engines. The engine

order includes a comprehensive maintenance package with GE. Willie Walsh, IAG chief executive, said: "The new B777-9 is the world's most fuel-efficient long-haul aircraft and will bring many benefits to British Airways' fleet. It's the

ideal replacement for the Boeing 747 and its size and range will be an excellent fit for the airline's existing network.

"This aircraft will provide further cost efficiencies and environmen-

"It's the ideal replacement for the Boeing 747 and its size and range will be an excellent fit for the airline's existing network."

Willie Walsh, IAG Chief Executive

tal benefits with fuel cost per seat improvements of 30% compared to the Boeing 747. It also provides an enhanced passenger experience".

In ordering the 777-9, British Airways extends a long-running rela-

tionship with the 777 family. The airline is one of the largest 777 operators with a fleet of nearly 60 of the long-range jet. The airline last year committed to four more 777-300ER (Extended Range) jets via operating lease.

The selection by IAG and British Airways puts the 777X at 358 orders and commitments from eight customers. Production of the 777X began in 2017, with first flight planned for this year and first delivery expected in 2020.

"British Airways is one of the most

Continued on page 3



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...continued from page 1

iconic international carriers, now in its 100th year of connecting the world with its impressive route network. We are honoured that British Airways has selected the 777X as part of its fleet for its next century. Together with the 787 Dreamliner, we are excited for the 777X to help British Airways build on its incredible

legacy,” said Kevin McAllister, president & CEO of Boeing Commercial Airplanes. “The 777-9 simply has no competitor in its class when it comes to efficiency and performance. It is the right-sized airplane for British Airways to efficiently serve long-range routes with heavy passenger demand.”

British Airways has 135 wide-bodied long-haul aircraft in its fleet (12 A380s, 30 B787s, 12 B777-300ERs, 46 B777-200s and 35 B747s) with 12 more B787s, four B777-300ERs and 18 A350s on order.

AIRCRAFT & ENGINE NEWS

Elix Aviation Capital delivers one Bombardier Dash 8 to Safarilink

Elix Aviation Capital has delivered one Bombardier Dash 8 Q200, MSN 506, on lease to Safarilink of Kenya. This is the first delivery by Elix to Safarilink. With this new customer, Elix continues to expand its leasing services in the African Market.

Rolls-Royce Withdraws from Engine Competition for New Midsize Airplane Platform

Rolls-Royce has decided to withdraw from the current competition to power Boeing’s proposed middle-of-the-market – or New Midsize Airplane (NMA) – platform. The company said that it is unable to commit to the proposed timetable to ensure it has a sufficiently mature product which supports Boeing’s ambition for the aircraft and which satisfies its own internal requirements for technical maturity at entry into service. Chris Cholerton, Rolls-Royce, President – Civil Aerospace, said: “This is the right decision for Rolls-Royce and the best approach for Boeing. Delivering on our promises to customers is vital to us and we do not want to promise to support Boeing’s new platform if we do not have every confidence that we can deliver to their schedule.”

Rolls-Royce Engineers in Derby Successfully Test Key Component of UltraFan Engine Design

Engineers at Rolls-Royce in Derby, U.K., have successfully tested a key component of the UltraFan engine design. UltraFan will redefine the world of jet engines, delivering significant weight, noise and fuel burn reductions, and will be 25% more efficient than a first-generation Trent engine. For the first time, all composite elements of the Advanced Low Pressure system (ALPS), including fan blades, a fan case and annulus fillers, were tested together on a donor engine. The engine parts are manufactured using state-of-the-art, fully automated construction methods at Rolls-Royce’s Composites Technology



Engineers at Rolls-Royce in Derby, UK, have successfully tested a key component of the UltraFan engine design
Photo: Rolls-Royce

Facility, a Composites Centre of Excellence. Each fan blade is made robotically, building up around 500 layers of carbon fiber materials. Heat and pressure are then applied, and each blade is finished with a leading titanium edge, which offers extreme protection against foreign objects and bird strikes. When laid out, the layers of composite material that make up the fan blades and the fan case on this engine would stretch from London to Leeds (272 kilometers / 169 miles). The Advanced Low Pressure System demonstrates Rolls-Royce’s IntelligentEngine vision. Each blade has a digital twin – an identical virtual copy. During testing, vast amounts of data will be collected that will be fed into the digital twins, and allow engineers to predict how each blade will perform in service.

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Victoria Police of Australia orders three AW139 helicopters

Leonardo has reported the choice of three AW139 intermediate twin-engine helicopters as part of Victoria Police Air Wing’s fleet modernization effort to provide enhanced airborne capabilities. The helicopters will be supplied by StarFlight Victoria to carry out a range of law enforcement, patrol and surveillance, and maritime search and rescue missions from the Essendon Airport on behalf of the Victoria Police Air Wing. The AW139s will be delivered from Leonardo’s Vergiate final assembly line facility in Italy in late 2019 and will enter service in 2020 following dedicated mission customization. Configured for policing operations across the State of Victoria, the new aircraft will feature a wide range of tailored equipment including advanced mission console, camera, wire cutter and rescue hoist.



AW139 Victoria County Police

Photo: Leonardo

Vietjet Orders Additional 100 Boeing 737 MAX Airplanes



VietJet orders additional 100 Boeing 737 MAX airplanes

Photo: Boeing

Boeing and Vietnamese carrier Vietjet have confirmed that the carrier has purchased 100 additional 737 MAX airplanes, taking their MAX order book to 200 jets. The deal includes 20 MAX 8s and 80 of the new, larger MAX 10 variant. The order was previously unidentified on Boeing’s Orders & Deliveries website. In ordering 80 MAX 10s, Vietjet becomes the largest Asian customer of the airplane type. The carrier plans to use the added capacity to meet growing demand across Vietnam, as well as to serve popular destinations throughout Asia. Vietjet placed its first order for 100 737 MAX airplanes in 2016.

Comair Takes Delivery of First 737 MAX

Boeing has delivered the first 737 MAX 8 to Comair, which becomes the first airline in sub-Saharan Africa to operate the fuel-efficient jet. The airplane is the first of eight 737 MAX airplanes on order for Comair as the airline looks to refresh its fleet and offer a better service for its passengers. The new airplane enters a growing African aviation market, where the domiciled fleet has almost doubled in the past two decades; over the next two decades, Africa will require nearly 1,200 new jets, according to Boeing’s Commercial Market Outlook. Boeing airplanes represent nearly 70% of the continent’s in-service fleet. Comair flies an all-Boeing fleet that includes 18 Next-Generation and seven Classic 737s for its kulula.com and British Airways (operated by Comair) brands. The 737 MAX 8 will allow Comair to achieve 14% better fuel efficiency and lower emissions, while flying 600 nautical miles farther than its predecessor.



Boeing and Comair debut airline’s first 737 MAX (in BA livery)

Photo: Boeing

MRO & PRODUCTION NEWS

ATR Extends Type ‘A’ Maintenance Visit Intervals

Turboprop manufacturer ATR has received certification from EASA to extend the intervals between the Type A maintenance checks from 500 to 750 hours, for all its aircraft series. This 50% increase in intervals will provide ATR customers with a significant reduction in aircraft maintenance costs and an increased aircraft availability of one additional day every 1,500 flight hours, generating additional revenue opportunities. ATR’s global fleet represents over 1,200 aircraft. As part of its policy of placing the customer at the heart of its business, ATR is able to provide 24/7 support to its operators via its brand new Customer Care Center based in Blagnac, near Toulouse, France.

ST Engineering’s Aerospace Sector Secures 10-year Airframe MRO Contract

Singapore Technologies Engineering (ST Engineering) has released that its Aerospace sector has signed an agreement with a contract value of about US\$600 million (approximately S\$813 million) to provide aircraft heavy maintenance services to a major North American operator. ST Engineering will support the operator, an existing customer, on a fleet of over 160 wide-body and narrow-body aircraft starting in 2020 and for a period of 10 years. Under the long-term strategic alliance, ST Engineering is able to offer a fleet reliability program that monitors the health of each aircraft and recommend maintenance actions to address identified issues before they impact the airline’s operational reliability. Continuous improvement initiatives over the duration of the program will also help drive greater efficiency and shorter turnaround times during maintenance.

GKN Aerospace obtains EASA STCs for ADS-B Out modification for Boeing 747 and 757

EASA has issued Supplemental Type Certificates (STC) to GKN Fokker Services for ADS-B Out modification for the Boeing 747-400 and 757-200 and 757-300 aircraft, including freighter versions. Each STC can be used to install all compliant transponder types in combination with every compliant GPS source offering, a unique and valuable solution to operators with mixed configurations in their fleet. Multiple GKN Fokker Services’ customers have already ordered the Boeing 747 and 757 ADS-B Out modification enabling them to be prepared for both the FAA and EASA mandates in 2020. FAA validation of both EASA STCs will follow later this quarter.

BOC Aviation Delivers First Boeing 737 MAX 9 Aircraft



Icelandair 737 MAX 9

Photo: BOC Aviation

BOC Aviation has delivered its first Boeing 737 MAX 9 aircraft to its newest customer, Icelandair, based in Reykjavik. The aircraft will be powered by CFM LEAP-1B Engines. “We are very pleased to team up with BOC Aviation for the financing of our first 737 MAX 9 aircraft delivered from Boeing. We are confident that the outstanding economics of the aircraft will help us with the continued expansion of Icelandair’s route network,” said Bogi Nils Bogason, CEO of Icelandair Group.

Air Vanuatu signs firm order for four A220s



Vanuatu’s national flag carrier Air Vanuatu has signed a firm order for four A220s

Photo: Airbus

Air Vanuatu, the national flag carrier of the Pacific island nation of Vanuatu, has signed a firm order with Airbus for four A220s (two A220-100s and two A220-300s). Air Vanuatu’s first-ever order with Airbus makes it the launch customer of the A220 in the Pacific region. Based at Bauerfield International Airport in the capital Port Vila, Air Vanuatu operates to 26 domestic airports and internationally to Australia, New Zealand, Fiji and New Caledonia. It began services in 1987 and has played a vital role in establishing Vanuatu as a tourist and investment destination. Currently the airline operates a Boeing 737 and ATR 72 fleet.

MRO & PRODUCTION NEWS

Proponent and Joramco Sign Agreement at MRO Middle East

At MRO Middle East, independent aerospace parts distributor Proponent and commercial aircraft maintenance, repair, and overhaul company Joramco has made an agreement for Proponent to support the supply of consumables and expendables for Joramco. Proponent will also be exploring other value-added services such as kitting and consignment to further develop and expand support for Joramco. This agreement will be active through December 31, 2019.

ACTSI Eyes Subic as Business Aviation Hub

Aviation Concepts Technical Services Inc. (ACTSI) – a business aviation services provider based in the Philippines – has signed a lease agreement with Subic Bay Metropolitan Authority (SBMA) to transform the Subic Bay International Airport (SBIA), a former United States Navy Base, into a hub for business aviation in the Asia Pacific region. Under a 25-year partnership with the SBMA, ACTSI is committed to providing hangar parking, corporate jet Maintenance, Repair & Overhaul (MRO) services and aircraft corrosion preventive solutions at SBIA, to ease the congested hangar parking and maintenance burdens in the region. Close to 18,000 m² ACTSI hangar facility is targeted to complete its premiere upgrade in the third quarter of 2019. The newly refurbished MRO hangar facility is set to meet standards of aircraft Original Equipment Manufacturers (OEM) and clients' expectations. As the former US Navy base, SBIA allows ACTSI's large-sized aircraft users to enjoy the extensive runway length at 9,000 feet for easy take-offs and landings. The ACTSI Subic hangar facility has Part 145 approvals from the Civil Aviation Authority of Cayman Islands and Bermuda; it is currently working towards expanding its capabilities to include an FAA 145 approval.

SR Technics Malta continues to expand its footprint in 2019

SR Technics has announced its plans for continued growth at its Malta facility in 2019. Over the course of the year, projects include delivering a new six-bay hangar and transforming local operations into a Center of Excellence for SR Technics base maintenance. In order to support this transformation in the near future, a VP of Operations, Daniel Galea, will be joining the company on March 1, 2019, to lead the operations in Malta for SR Technics. Galea has worked in the aviation industry

Six SSJ100 to be Delivered to Thailand



Thai Kom Airlines orders six SSJ 100 aircraft

Photo: Sukhoi Civil Aircraft Company

The Sukhoi Civil Aircraft Company has signed a contract with Thai Kom Airlines for the delivery of six SSJ100 aircraft during the period of 2019-2020. Total value of the contract is about US\$300 million at book price. The first SSJ100 is to be delivered in Autumn 2019. Thai Kom Airlines plans to operate the SSJ100 both inside the country and abroad, while technical maintenance of the SSJ100 is to be carried out by WishV, the maintenance and repair organization registered in Thailand.

Virgin Galactic reaches higher altitude and faster speeds during latest test flight



SpaceShip two lands after second Spaceflight

Photo: Virgin Galactic

During the second test flight in a ten-week period, Virgin Galactic announced on February 22 that its commercial SpaceShipTwo, VSS Unity, reached space for the second time in its five test flights, achieving an apogee distance of 295,007ft and a speed of M3.04, beating both records from its previous flight into space. This was also the first time a test flight carried three crew members, while the spaceship carried research payloads from the NASA Flight Opportunities program. According to the Virgin Galactic press release: "The crew enjoyed extraordinary views of Earth from the black skies of space and, during several minutes of weightlessness while the pilots "feathered" the spaceship in preparation for a Mach 2.7 re-entry, Beth floated free to complete a number of cabin evaluation test points. The human validation of data previously collected via sensors, and the live testing of other physical elements of the cabin interior, are fundamental to the provision of a safe but enjoyable customer experience. Commenting on the successful event, Sir Richard Branson said: "Flying the same vehicle safely to space and back twice in a little over two months, while at the same time expanding the flight envelope, is testament to the unique capability we have built up within the Virgin Galactic and The Spaceship Company organizations. I am immensely proud of everyone involved. Having Beth fly in the cabin today, starting to ensure that our customer journey is as flawless as the spaceship itself, brings a huge sense of anticipation and excitement to all of us here who are looking forward to experiencing space for ourselves. The next few months promise to be the most thrilling yet."

MRO & PRODUCTION NEWS

try for nearly two decades. General Manager Arthur Magri will remain in charge for the overall Malta organization.

ENOVAL Achieves Its Objectives

For almost five years, 35 partners conducted extensive research work under the EU's ENOVAL (ENgine mODule VALidators) technology program. The result of the concerted efforts is now available: With the newly developed technologies for turbofan engines, it will be possible to significantly cut emissions of carbon dioxide and of noise. "We've fully achieved the objectives we had in mind when we started," says MTU Aero Engines' Dr Edgar Merkl, who coordinated the technology program, "and clearly demonstrated how much additional potential still exists in turbofans." The new technology is slated to fly starting in 2025. ENOVAL focused on the development of new technologies for low-pressure components for medium-sized, large and very large turbofans incorporating geared turbofan technology. The research looked into higher overall pressure ratios of between 50:1 and 70:1, as well as higher bypass ratios of between 12:1 and 20:1 combined with increased overall pressure ratios of up to 70:1. Says Merkl: "The bypass ratio achieved in the ENOVAL programme was in the range of 14:1 to 16:1." This results in improved propulsion efficiency, thus reducing fuel burn and pollutant emissions. "And, on top of that, this will bring the noise emitted by emerging engines down further, even below the noise level of the geared turbofan, which is already very quiet as it is now." Noise can be cut by up to 1.3 dB and CO2 emissions by up to five percent. For a typical medium-range aircraft, such as an Airbus A320, this would translate into savings of 1,200 tons of CO2 a year, the equivalent of the carbon dioxide emissions produced annually by electricity use in 325 average households.

FINANCIAL NEWS

Aviation Capital Group Arranges Financing of One B747-8F Aircraft for AirBridgeCargo

Aircraft operating lessor Aviation Capital Group, has structured, arranged, and provided the guarantee of a loan by MUFG Bank (MUFG) to finance a portion of the purchase price of one Boeing 747-8F aircraft delivered to AirBridgeCargo (ABC) Airlines. The ABC financing utilized ACG's Aircraft Financing Solutions (AFS) program. The AFS program complements ACG's operating lease business by providing customers with cost-effective aircraft financing solutions. Among operating lessors, ACG believes that it has created a unique aircraft financing program.

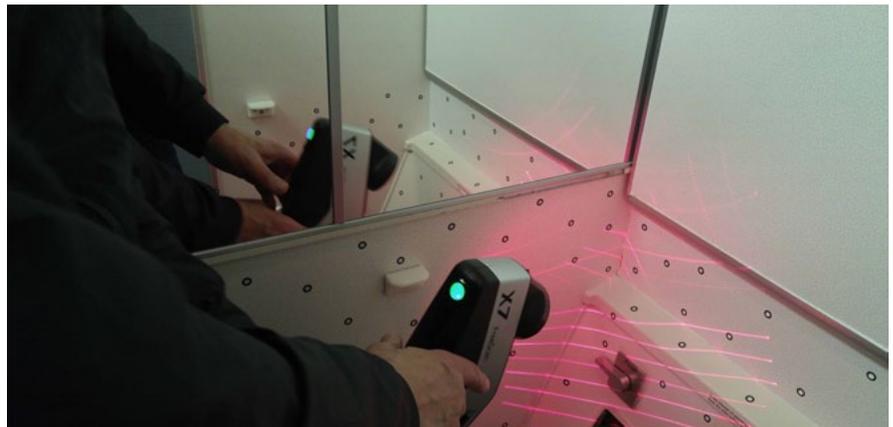
Liebherr-Aerospace and Max Aerospace Sign MRO Cooperation Agreement



Signing of a new cooperation agreement between Liebherr-Aerospace and Max Aerospace Photo: Liebherr-Aerospace

Liebherr-Aerospace and Mumbai-based Max Aerospace, have signed a cooperation agreement covering repair and maintenance of components as well as maintenance and overhaul of heat exchangers. Under the terms of the agreement, signed during Aero India 2019 in Bangalore, Liebherr-Aerospace renews an already existing repair license on Airbus components and supports Max Aerospace in developing industrial capabilities dedicated to heat exchangers manufactured by Liebherr for Airbus aircraft. Max Aerospace will thus join Liebherr-Aerospace's worldwide network for heat exchanger maintenance.

Magnetic MRO Completes First 3-D Scanning Project



3-D scanner

Photo: Magnetic MRO

Magnetic MRO continues to expand its wide range of services by adding Shining 3-D FreeScan X7, a handheld 3-D scanner to its selection of tools. The laser was first used as a part of MAC Aero Interiors' and TUI Group's latest cooperation on lavatory refurbishments. FreeScan X7 is an ultra-portable handheld 3-D laser scanner with a flexible and convenient scanning mode, providing high accuracy and stability, and covering all the depth and thickness measurements. The device is applicable to a wide range of operating environments and a variety of measured objects. It can dramatically improve time and cost efficiency by reducing the manpower needed for a project. The addition of the 3-D scanner is another step in the company's strategy of distinguishing itself as an industry leader in innovation. The scanner was first used in January 2019 on a Boeing 767 aircraft as part of the latest partnership between Magnetic MRO's subsidiary brand MAC Aero Interiors and travel company TUI. This new four-year contract between the two companies includes the production of 20 lavatory units for TUI's Boeing 767-300 fleet, and the scanner will play an integral role in achieving that.

FINANCIAL NEWS

Safran Reports Strong 2018 Performance

Safran has reported adjusted revenue of €21,050 million for FY 2018, an increase of 32.0% on a reported basis, including a ten-month contribution of €3,799 million from Zodiac Aerospace and €(338) million of currency impacts. On an organic basis, adjusted revenue grew 10.4%. Adjusted recurring operating income was €3,023 million (14.4% of revenue), an increase of 37.9% on a reported basis compared to €2,192 million (13.7% of revenue) in FY 2017. FY 2018 adjusted recurring operating income included a ten-month contribution from Zodiac Aerospace amounting to €290 million. Excluding Zodiac Aerospace, adjusted recurring operating income grew 24.7%. Adjusted net income – Group share was €1,981 million (basic adjusted EPS of €4.60 and diluted adjusted EPS of €4.54). In 2017, adjusted net income – Group share amounted to €2,393 million comprising €1,563 million of net income from continuing operations and €830 million of net income from disposal gains. FY 2018 civil aftermarket was up 12.2% in USD terms driven notably by spare parts sales for second generation CFM56 engines. (€1.00 = US\$1.14 at time of publication.)

ATSG Reports Strong Fourth-Quarter 2018 Results

Air Transport Services Group has reported consolidated financial results for the quarter and year ended December 31, 2018. Customer revenues were US\$280.8 million in 4Q 2018 vs. same-basis US\$221.2 million in 4Q 2017. GAAP Earnings from Continuing Operations were negative US\$5.2 million, vs. US\$94.1 million in 4Q 2017. Adjusted Earnings from Continuing Operations (non-GAAP) US\$24.1 million in 4Q 2018 vs US\$19.6 million in 4Q 2017. Adjusted EBITDA from Continuing Operations (non-GAAP) was up 19% in 4Q 2018 to US\$96.2 million. 2018 capital spending was US\$292.9 million, comparable to 2017, as ten cargo aircraft (nine Boeing 767s, one Boeing 737) were deployed in each year.

SAS Posts Net Loss of MSEK-469 for First Quarter 2019

SAS Scandinavian Airlines has reported its figures for the first quarter 2019. Revenue amounted to SEK 9,534m compared to SEK 8,978m in the first-quarter 2018. Earnings before tax and nonrecurring items was SEK -724m compared to SEK -385m the previous year. EBT was SEK -576m compared to SEK -285m in 2018. Net income for the period was SEK -469m, compared to SEK -249m the previous year. (US\$1.00 = SEK9.24 at time of publication.)

Germania subsidiary Germania Flug now 100% Swiss owned



Photo: Germania Flug

Germania Flug, the Zurich, Switzerland-based subsidiary of the now defunct Germania airline, is now fully operational under all-Swiss ownership. While details of the transaction are yet to be disclosed, principal-

ly because the carrier's operational aspects have yet to be fully resolved. Various procedures are currently in progress and services which until now have been provided from Berlin will be integrated into the Swiss company's own structures, or outsourced to selected providers, at some point in the future.

It is understood that all shares previously owned by Germania have been sold to Albex Aviation, owner of the virtual airline Air Prishtina. Germania Flug has been swift to point out that it remains on course for its current winter flight program and 2019 summer schedule. The airline will also be expanding its charter operations by taking over Air Prishtina flights from Basel to Prishtina on a full charter basis. Germania Flug CEO, Tobias Somandin said: "We have taken an important step. And we have kept our promise to ensure that our flight operations will continue as planned. We remain on course and are delighted with the confidence and trust our airline continues to enjoy among Swiss tour operators, travel agents and passengers." Germania Flug was formed in August 2014 as a joint venture between Germania and Hotelplan, a Swiss leisure company with the intention of operating under the brand name HolidayJet and serving 17 leisure destinations in Europe and North Africa. In November 2015 the collaboration with Hotelplan ceased and Germania Flug operated thereafter under its own brand name.

Boeing gets Embraer shareholder approval for JV

96.8 percent of Brazil's Embraer shareholders have voted in favour of the sale of 80 percent of the company's commercial plane division to The Boeing Company (Boeing). The sale will now only require global anti-trust regulator approval. According to Reuters, Boeing will pay US\$4.2 billion, and the 20:80 joint venture between



Photo: Embraer

Embraer and Boeing will concentrate on supplying passenger jets with up to 150 seats to commercial airlines. The strategic move sees Boeing now able to challenge its main Rival, in this sector of the market after Airbus completed its purchase of a controlling stake in the Bombardier CSeries of aircraft, which also have less than 150 seats. The shareholder decision comes on the back of last month's decision by the Brazilian government, which holds a right of veto over important Embraer business decisions. Embraer has openly admitted that the company has been in need of crucial financial investment as it has been struggling while Boeing and Airbus squeeze out smaller rivals. Embraer executives said earlier this year they would be able to wipe out the company's current debt thanks to Boeing's cash, giving them what they described as a fresh start. "The potential operation with Boeing will save Embraer," lawyers for the Brazilian planemaker said in July in a court filing as it battled an earlier challenge to the deal. Principal opposition to the sale of Embraer's commercial plane division have centered on the fact this will remove the profitable arm of the company, leaving the non-profitable defense and executive jet sectors vulnerable. However, part of the deal with Boeing will see the newly formed company, which is yet to be named, market Embraer's new KC-390 military cargo jet. Embraer will retain ownership of the plane's intellectual property but hopes Boeing will drum up orders from allies of the United States.

MILITARY AND DEFENCE

OGMA to Modify Portuguese Air Force C-130 Aircraft

OGMA has been announced as the prime contractor in the Avionics Modification Program involving four Portuguese Air Force (PoAF) C-130 aircraft, which will consist of a nearly full replacement of the aircraft communication, navigation and flight control systems and instruments. Such modification will upgrade POAF C-130 aircraft to the latest CNS/ATM requirements (communications, navigation, surveillance/air traffic management). This program will be developed over two years, with the first aircraft starting modification work in 2019. OGMA will carry out the integration of all aircraft systems, manufacture the structural components and wire harnesses necessary for equipment installation, design the aircraft change and provide for project certification against the National Military Aviation Authority requirements and for project qualification according to POAF operational and logistic requirements. OGMA will also be responsible for updating the aircraft operating and maintenance technical data, providing operational training to flight crews and maintenance training to PoAF technicians.

INFORMATION TECHNOLOGY

Sabre, and Vietnam Airlines and its subsidiary, have signed a memorandum of understanding (MOU). The MOU describes Vietnam Airlines' intention to significantly expand its existing strategic relationship with Sabre, with a potential value of over US\$300 million. The scope of the signed MOU includes innovative technology from the Sabre AirVision and AirCenter portfolio, that will complement SabreSonic, Vietnam Airlines' existing Passenger Service System (PSS), which was recently renewed. Together, Sabre's solutions will help contribute to the carrier's profitability and digital abilities once implemented, supporting its objective to become a digital airline by 2020. The MOU contemplates that Sabre's innovative Sabre In-Flight solution would be the first to be adopted by the airline following the announcement. The solution, which has driven cost savings of up to 10% of the total catering budget, would also enhance the airlines' operational efficiency. Additionally, the MOU contemplates a new, long-term domestic content distribution agreement for Vietnam Airlines through the Sabre Global Distribution System (GDS). A growing domestic subsidiary of the Vietnam Airlines group would also onboard the SabreSonic PSS under the MOU in an effort to enhance the synergy within the Group. The deal contemplated by the MOU, which is expected in the coming months, would provide a single integrated passenger technology platform across both airlines.

French-Dutch power struggle sees Air France-KLM shares tumble



Photo: Air France KLM

In a bid to counter French influence over the Dutch arm of Air France-KLM, the Dutch government has acquired a 12.7 percent stake. With the move highlighting the rising tension between the two countries, shares in Air-France KLM had fallen by 11.3 percent at 1612 GMT according to Reuters. Late on Tuesday, Dutch Finance Minister Wopke Hoekstra announced the initial 12.7 percent stake acquisition for 680 million euros (\$774 million) and pledged to increase the holding to parity with France's 14.3 percent stake. Problems have simmered for some time as the Dutch influence on the carrier has waned under a French-dominated executive board. Despite the merger of Air France with Dutch airline KLM in 2004, the KLM subsidiary has maintained an independent corporate structure. However, since taking the helm of Air France-KLM, Canadian Chief Executive Ben Smith has looked for deeper integration, but has met with the might of The Hague's backing of KLM's desire to have a greater say in the subsidiary's activities. Air France-KLM said on Wednesday it would seek to ensure that the Dutch government's sudden arrival as a major shareholder "will not negatively impact the new working dynamic of the group". Delta Airlines and China Eastern Airlines have each also hold an 8.8 percent stake in Air France-KLM, while analysts Liberium have stated that "Government interference is unwelcome and likely to be contrary to investors' interests." At a news conference called at short notice on Tuesday night in the Hague, Hoekstra said buying the stake was a "fundamental step toward protecting Dutch interests".

OTHER NEWS

ST Engineering made further strides in developing advanced Unmanned Aircraft System (UAS) solutions for applications in an urban environment when its Aerospace sector became the first in Singapore to receive authorization from the **Civil Aviation Authority of Singapore** (CAAS) to conduct Beyond Visual Line of Sight (BVLOS) trials over the Lower Seletar reservoir. The BVLOS trial is for demonstrating ST Engineering's latest UAS solution, DroNet. Designed for autonomous operations in an urban environment, DroNet is an end-to-end solution that applies advanced unmanned technologies such as drones through a network system to carry out specific tasks or services. By harnessing the power of networking, video analytics and data sharing, DroNet is able to provide solutions for various appli-

cations including perimeter security, asset inspection and lightweight deliveries

Sri Lankan Airlines and **Go Air** have signed agreements with **Airbus** to benefit from the manufacturer's cloud-based platform Skywise Core. Go Air, the first Indian customer on Skywise, will use the platform to reduce operational interruptions and maximize aircraft utilization and flight operations. This will benefit the airline's existing fleet of about 50 aircraft and the future deliveries. "With the growth of our A320 fleet, we are delighted to join Skywise. We are convinced this digital platform will support our daily operations," said Mr. Jeh Wadia MD and acting CEO of GoAir, India. Skywise will primarily help Sri Lankan Airlines anticipate maintenance tasks for its A320 and A330 fleet, allowing them to track and analyze their operations and performance data. These

OTHER NEWS

will benefit the airline’s present fleet of 30 aircraft and those on order.

Southwest Airlines’ flight simulator technicians, represented by the **International Brotherhood of Teamsters** (IBT), have voted to ratify a new five-year contract. Southwest’s 50 flight simulator technicians provide maintenance and engineering support for the equipment at the Company’s Flight Training Center, where all of Southwest’s pilots receive training. This agreement was reached prior to the current contract’s amendable date and is the third ratified agreement that Southwest Airlines has reached with the IBT for its flight simulator technicians since 2014.

ATR has signed a partnership agreement with **AviAssist**, the independent non-profit organization dedicated to promoting African aviation safety. Through this partnership, ATR continues to strengthen flight safety awareness and accident prevention actions. Since 2015, ATR has participated in the annual Safety in African Aviation Conferences (SiAAC) organized by AviAssist. ATR is also a member of the Conference Committee. More than 120 ATR aircraft are operated in 22 African countries by 30 airlines. According to ATR’s market forecast, the number of turboprops in Africa is expected to exceed 350 within the next twenty years.

Air Italy and **Bulgaria Air** have entered into a codeshare partnership to offer customers enhanced connectivity between Bulgaria and eight major destinations in Italy, with effect from February 28. Under the agreement, Air Italy’s “IG” code will be placed on Bulgaria Air flights between Milan Malpensa and Sofia, Varna and Burgas, with the first flights available from March 31. At the same time, starting with the new summer IATA season, Bulgaria Air will put its “FB” code on Air Italy flights between Milan Malpensa and Rome Fiumicino, Naples, Olbia and Cagliari (Sardinia), Palermo and Catania (Sicily), and Lamezia Terme (Calabria).

Qantas will launch new seasonal flights direct from Melbourne to Queenstown to meet the growing number of Australians seeking winter holidays in New Zealand over the peak ski season. Between 21 June and 27 August 2019, Qantas will operate three services per week between Melbourne and Queenstown with a Boeing 737 aircraft, offering more than 10,000 seats on the route over the winter peak. These new flights are in addition to the



Photo: Heathrow

Heathrow has signed a landmark deal on airport charges worth hundreds of millions of pounds with major airlines operating at the airport. Following detailed negotiations over the past several months, Heathrow and major airlines operating at the airport have agreed terms which should deliver significant passenger benefits in releasing funds to drive investment and growth. The **CAA** has supported the negotiation of the commercial arrangement and is expected to launch a public consultation on the solution in the coming weeks. Under the terms of the agreement, Heathrow will establish a new growth incentive that will encourage airlines to increase passenger numbers at the airport ahead of expansion. Airlines at Heathrow currently operate with average load factors below the **IATA** global average. If airlines at Heathrow reached global averages for filling aircraft, there is an opportunity to reduce passenger charges by 10-20% against what they might otherwise be, in addition to helping Heathrow meet the Government’s affordability target for expansion. With more passengers on each existing flight, Heathrow would be able to spread the development costs of expansion across a larger passenger base – helping to keep airport charges close to 2016 levels in real terms throughout the expansion project. If the CAA gives final approval to the commercial arrangement, the current regulatory settlement would be extended until December 2021 – removing the need to negotiate an interim iH7 regulatory settlement. This would allow all parties – from the regulator to airlines and the airport – to focus their resources on agreeing the regulatory settlement that will be in place during the main expansion works from 2022 (subject to the airport being successful in its development consent order application).



Air Canada will offer winter service from Montreal to São Paulo, Brazil
Photo: CNW/Air Canada

Air Canada will introduce new winter service from Montreal to São Paulo, Brazil, the only non-stop flights between the two cities. This new route to São Paulo will commence on December 11, 2019 and operate three return-trips weekly from Montreal until March 27, 2020. Flights are timed for convenient connections across Air Canada’s network in North America, including to and from Vancouver, Calgary and Quebec City, as well as several Brazilian cities beyond São Paulo.

connections across Air Canada’s network in North America, including to and from Vancouver, Calgary and Quebec City, as well as several Brazilian cities beyond São Paulo.

OTHER NEWS

Qantas Group's 33 existing Queenstown services available each week throughout winter, with Qantas' flights operating from Sydney and Brisbane and Jetstar's flights from Sydney, Melbourne and Gold Coast.

INDUSTRY PEOPLE



Daniel Tyzack

- Air BP has appointed **Daniel Tyzack** as managing director, Asia Pacific, effective immediately. Tyzack will be responsible for operations in the Asia Pacific region as well as strategy development and execution. He will be

based at Air BP's Melbourne, Australia office reporting to CEO, **Jon Platt**. Tyzack brings 25 years of highly valuable and relevant fuels experience from key roles in operations, sales and strategy in Australia as well as pricing, supply and commercial roles in Europe.



Bruno Vazzoler

- Effective February 1, 2019, **Bruno Vazzoler** is appointed as Executive Vice President, Avionics Division and member of the Executive Committee of Safran Electronics & Defense. Vazzoler started his

career within the Thales Group where he was, in particular, Director of the 'Ground Surveillance Radars' business line, Director of the Cockpit activities at Thales Avionics and then Managing Director of Thales Integrated Communication and Supervision Systems for Railways. In 2010, he joined the engineering group Segula Technologies as President of the subsidiary Simra. In 2014 Vazzoler joined the Zodiac Aerospace group to head the Electrical Systems and Cockpit Solutions division of Zodiac Aerosystems branch, which has since become Safran Aerosystems.

- As of April 15th, **Edi Wolfensberger** will join the Management Board of Brussels Airlines in the role of Managing Director Operations. He will take over from Thibault Demoulin, who will remain within the company as full-time captain Airbus A330. Edi Wolfensberger will together with CEO **Christina Foerster**

Recommended Events



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Operating Lease & Aviation Finance Seminar
March 19-21, 2019 – Gibson Hotel, Dublin, Ireland

Managing Technical Aspects of a Leased Asset & Maintenance Reserves Training Seminar
June 11-12, 2019 – Novotel Barcelona City Hotel, Barcelona, Spain

Click here for more aviation events

and CFO **Dieter Vranckx** directly report to the SN Airholding Board of Directors.

- Air Transport Services Group has elected **Robert K. Coretz** to its Board of Directors on February 20, 2019. Coretz is a principal and founder of 10 Tanker Air Carrier, which engineers and modifies DC-10 aircraft for aerial firefighting and suppression purposes. Coretz is also the former board chairman of Omni Air International, a U.S.-based passenger airline that ATSG acquired in November 2018.



Greg Hoggett

- AJW Group has appointed **Greg Hoggett** as Technical Director. In his new role, Hoggett will be responsible for technical standards and best practices across all divisions of the global business, focusing on driving

continuous improvement of its supply chains and delivering innovative solutions to airline MRO challenges. Hoggett brings more than three decades of aviation experience to his new role. He began his career in the Royal Air Force, before going on to hold senior management positions at GE Aviation, Tui Group, easyJet and TAG Aviation UK. At AJW Group, he will report directly to **Boris Wolstenholme**, Chief Strategy Officer, and will be based at the company's Headquarters in Slinfold, West Sussex.



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THE AIRCRAFT AND ENGINE MARKETPLACE

Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-200	Castlelake	CFM56-5B6/3	3560	2008	Now	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
A319-200	Castlelake	CFM56-5B6/3	3533	2008	Now	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
A320-200	ORIX Aviation	V2527-A5	3807	2007	Q1/2020	Lease	Matthew Gialopsos	Matthew.Gialopsos@orix.ie	+353 83 167 2233
A320-200	ORIX Aviation	V2527-A5	4603	2011	Q1/2020	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	ORIX Aviation	CFM56-5B4/3	5213	2012	Q2/2020	Lease	Matthew Gialopsos	Matthew.Gialopsos@orix.ie	+353 83 167 2233
A320-200	TrueAero Asset Management	V2527E-A5	5794		Nov 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5531		Oct 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5296		Aug 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5089		Jun 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5050		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	Castlelake	V2533-A5	1648	2001	Q4/2019	Lease	Michael Hackett	Michael.hackett@castlelake.com	+44 20 7190 6120
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
A330-200	TrueAero Asset Management	CF6-80E1A4/B	882		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-200	TrueAero Asset Management	CF6-80E1A4/B	901		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-200	TrueAero Asset Management	CF6-80E1A4/B	932		May 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
B737-5H6	Bristol Associates	CFM56-3C1	26445	1992	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B737-BAS	GA Telesis	CFM56-7B24	33813	2004	Now	Lease	Mauro Francazi	mfrancazi@gatelesis.com	+44 7387 418679
B737-BAS	GA Telesis	CFM56-7B24	33814	2004	Now	Lease	Kevin Ford	kford@gatelesis.com	+64 21 747 109
B737-800	ORIX Aviation	CFM56-7B24E	40317	2012	Q4/2019	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B24	33641	2007	Q2/2020	Lease	Matthew Gialopsos	Matthew.Gialopsos@orix.ie	+353 83 167 2233
B737-800	Willis Lease				soon	Sale / Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
B767-300ER	Cloud Investment Partners	PW4060	26470	1992	Jun 2019	Sale / Lease	David Weiss	david.weiss@cloudllp.com	+1-561-771-4246
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	8062	2006	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
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 Narayan	Auvinash.Narayan@aerfin.com	+44 (0) 7766384581
ERJ-170LR	AerFin	CF34-8E	1700119		Now	Sale / Lease	Auvinash Narayan	Auvinash.Narayan@aerfin.com	+44 (0) 7766384581
ERJ-170LR	AerFin	CF34-8E	1700124		Now	Sale / Lease	Auvinash Narayan	Auvinash.Narayan@aerfin.com	+44 (0) 7766384581
ERJ-170LR	AerFin	CF34-8E	1700142		Now	Sale / Lease	Auvinash Narayan	Auvinash.Narayan@aerfin.com	+44 (0) 7766384581
ERJ-170LR	AerFin	CF34-8E	1700152		Now	Sale / Lease	Auvinash Narayan	Auvinash.Narayan@aerfin.com	+44 (0) 7766384581
ERJ-170LR	AerFin	CF34-8E	1700155		Now	Sale / Lease	Auvinash Narayan	Auvinash.Narayan@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
ERJ-145LR	Regional One	AE3007A1	145768	2003	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164

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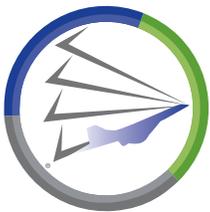
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THE AIRCRAFT AND ENGINE MARKETPLACE

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
CF34-10E5A1 NEW	Now - Lease	DASI	Ed Blyskal	ed.blyskal@dasi.com	+1 305-525-7308
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@wernerero.com	+1-703-402-7430
(multiple) CF34-8E5	Now - Sale / Lease	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 7930463293
(1) CF34-8E5A1	Now - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(2) CF34-8C5B1	Feb 19 - Lease				
(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
CF& Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CF6-80C2A2	Now - Lease	Castlelake	Stuart MacGregor	stuart.macgregor@castlelake.com	+44 2071906138
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) CFM56-7B26/E	Now - Lease				
(1) CFM56-7B26	Soon - Lease	Willis 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



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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	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CFM56-7B26/27	Now - Sale / Lease				
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
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				
(1) PW124B	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcMorin@logix.aero	+33.6.4782.4262
(2) PW127E/F			Remi Kryś	rkryś@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
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
(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 - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
(1) V2533-A5	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werner aero.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.				
Trent 552 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
Trent 892 Inlet Cowls and Fan Cowls	Now - Sale/Lease/Exch.				
CFM56-5B 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.				
APUs (2) GTCP331-500B, (1) APS3200	Now - Sale/Lease/Exch.				
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.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
(1) GTCP131-9B	Now - Sale / Lease	DASI	Chris Glascock	Chris.Glascock@dasi.com	+1 954-801-3592
(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	rlewsley@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@Werner aero.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@werner aero.com	+1 201-661-6804
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368