

# Weekly Aviation Headline News

## WORLD NEWS

### KLM selects L3 for 787 simulators

L3 Commercial Aviation announced a new contract with KLM Royal Dutch Airlines to provide a B787-9 Full Flight Simulator (FFS) for the airline's training centre at Schiphol Airport in the Netherlands.

"This latest contract builds on our strong relationship with KLM," said Robin Glover-Faure, President of Commercial Training Solutions, which is part of L3 Commercial Aviation. "We are delighted that the airline is further entrusting us to provide this state-of-the-art simulator and support the development and training requirements of their modern fleet."

### Loganair awarded Derry to London-Stansted PSO

Scottish carrier Loganair has been selected as the new operator for the Public Service Obligation (PSO) contract to secure Derry's (Northern Ireland) sole air service to London, following that previous operator flybmi has entered insolvency. As part of the contract, the airline will begin operating to London Stansted from Wednesday February 27, providing two services each weekday and on Sundays alongside a single Saturday flight.

### Ryanair to open Toulouse base

Ryanair announced it will open a new base at Toulouse, from October 2019, as part of its Winter 2019 schedule, with 2 based aircraft (an investment of \$200m) and 20 routes (11 new - connecting 7 countries) to/from Alicante, Brest, Budapest, Lille, Luxembourg, Marseille, Oujda, Palermo, Porto, Tangier and Valencia, which will deliver 1m customers p.a. at Toulouse Airport.



airBaltic intends to operate an all A220 fleet.

Photo: Keith Mwanalushi

## airBaltic adjusts fleet plans

With accelerated 737 phase out

Latvian airline airBaltic announced that it will end its Boeing 737 fleet operations in autumn 2019, one year ahead of the original plan. The airline aims to minimise complexity and benefit from the additional efficiency of the Airbus A220-300 aircraft which will be the only jet type operated by airBaltic.

Martin Gauss, Chief Executive Officer of airBaltic: "Airbus A220-300 is the aircraft of our future and, by phasing out the Boeing 737, we will have the youngest jet fleet in Europe. The introduction of Airbus A220-300 has been very successful and provided the additional efficiency any airline

is seeking in the highly competitive aviation market. Thanks to the good overall performance we took a decision to introduce a single type fleet of up to 80 (50 firm order and 30 options) Airbus A220-300 aircraft by 2022."

**"Airbus A220-300 is the aircraft of our future and, by phasing out the Boeing 737, we will have the youngest jet fleet in Europe."**

*Martin Gauss, CEO, airBaltic*

So far airBaltic has received 14 of its Airbus A220-300 orders and eight new aircraft will join this year. The Airbus A220-300 has performed beyond company's expectations, delivering better overall perfor-

mance, fuel efficiency and convenience for both passengers and staff. In late 2018, airBaltic phased out three of its Boeing 737-500 aircraft. Currently the airline still operates six Boeing 737-300 and two Boeing 737-500 jets.

The Airbus A220-300 offers an excellent flying experience with such benefits for passengers as wider seats, larger windows, more hand luggage space in the cabin, improved lavatories and much more. The new aircraft is also considerably quieter – with a four times smaller noise footprint. Moreover, at the

*Continued on page 3*

# MRO

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**MRO**  
SERVICES

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moment it is the greenest commercial aircraft in the world, as it is the first aircraft to have a transparent declaration of the life-cycle environmental impact, helping to reduce CO2 and NOX emissions by 20% and 50% respectively.

airBaltic serves over 70 destinations from Riga, Tallinn and Vilnius, offering the largest variety of destinations and convenient connections via Riga to its network spanning Europe, Scandinavia, the CIS and the Middle East. In sum-

mer 2019, airBaltic will introduce five new destinations from Riga to Dublin, Stuttgart and Lviv as well as Kos and Menorca.

## AIRCRAFT & ENGINE NEWS

### Elix Aviation Capital Delivers ATR 42-500 to Hevilift

Elix Aviation Capital has delivered one ATR 42-500, MSN 639, on lease to Hevilift. Through this delivery, Elix further supports Hevilift's fleet growth. This ATR 42-500 aircraft will be operated in service of the resource industry across challenging remote areas in Papua New Guinea.

### Chorus Aviation Capital to Acquire Portfolio of Six Aircraft

Chorus Aviation Capital has acquired a portfolio of six aircraft with leases attached. The portfolio consists of two ATR72-600s on lease to Azul of Brazil, and four Q400s on lease to two other existing customers of Chorus Aviation Capital. With these acquisitions, Chorus' suite of leased regional aircraft (inclusive of nine transactions pending completion) has reached 40 aircraft, comprising 28 turboprops and 12 regional jets valued at approximately US\$850 million.

### GECAS Signs Agreement to Lease Three A320-200 Aircraft to GetJet Airlines

GECAS has signed an agreement to lease three A320-200 aircraft to GetJet Airlines, with all deliveries to take place in spring 2019. GetJet Airlines is an IOSA-registered, well-established Lithuanian ACMI and charter airline, which is headquartered in Vilnius. "The addition of these new aircraft is an important step in our strategy to fill the gaps in the market and swiftly adjust to the current context of the rapidly changing aviation market," said Aleksandr Celiadin, Executive Chairman of GetJet Airlines. "Recent developments in our region have forced us to react quickly to satisfy growing passenger flows and support our wet lease customers and tour operators. Once the A320s are delivered, we will be operating a fleet of 15 aircraft – 7x A320s and 7x Boeing 737 classics, and our recently added wide-body Airbus A330. This larger fleet provides us with exciting opportunities to serve new clients and offer an expanded range of operations."

### Brazilian Navy Orders Three Multi-role H135s from Airbus



The Brazilian Navy orders three Multi-Role H135s

Photo: Jonny Carroll

The Brazilian Navy has ordered three H135 light twin-engine helicopters to be operated by the 1<sup>st</sup> General Purpose Helicopter Squadron (HU-1). The aircraft will be dedicated to a wide range of missions such as special operations, transport of troops and freight, naval inspection, search and rescue, and medical evacuation. Two of these aircraft will be equipped with aeromedical kits. Other equipment will include a cargo hook, an emergency flotation system, a winch, as well as weather radar. The aircraft, which will replace the current light twin-engine AS355s, could also carry out missions in the frame of the Brazilian Antarctic Programme in the near future. The contract includes a comprehensive HCare support and services package.

### Challenger 300 Added to Bombardier's European Mobile Response Team



Bombardier adds a Challenger 300 aircraft to its MRT in Europe  
Photo: Bombardier

Bombardier has announced the latest addition to its expanding service and support network – a dedicated Mobile Response Team (MRT) aircraft, based in Frankfurt, Germany. The Challenger 300 aircraft marked its entry into service by successfully completing its first mission, providing European customers with efficient unscheduled maintenance support. The strategically located Challenger 300 aircraft will deftly supplement the shipping of parts from Bombardier's main European parts

distribution hub at Frankfurt International Airport. Its 3,065-NM (5,646-km) range and impressive Mach 0.83 top speed capability will enhance the MRT's reach and response times to a fleet size of more than 700 aircraft in Europe and the Middle East.



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**AIRCRAFT & ENGINE NEWS**

**FPG Amentum and FPG Arrange Acquisition of Two TUI 737 MAX8s**

Financial Products Group, the Tokyo-headquartered, listed independent financial services firm and FPG Amentum, the Dublin-based aircraft leasing/management company, have announced the acquisition of two Boeing 737 MAX8s. The aircraft were acquired through sale-and-leaseback transactions and are on lease to subsidiaries of TUI Group.

**3TOP acquires one Airbus A320-200**

Aviation asset management company 3TOP Aviation Services (3TOP), specializing in airframe, engine and general commercial aviation aftermarket inventory support solutions, has acquired an Airbus A320-200 (ex-Shaheen MSN 1497) to support its global customer base. The associated V2527-5 engines will augment 3TOP's expanding trading and leasing portfolio. The airframe will be disassembled in Tarmac, France and used to facilitate strategic support programs with 3TOP's network of operator and OEM customers.

**Pratt & Whitney Delivers GTF™ PW1900G Production Engines for Embraer E195-E2 Program**

Pratt & Whitney has delivered the GTF™ PW1900G production engines for the E195-E2 aircraft at Embraer's E2 final assembly line in Brazil. The E195-E2 is expected to enter into service in the second half of 2019 with Azul Brazilian Airlines. Embraer's E190-E2 aircraft, which is also powered by the Pratt & Whitney PW1900G engine, entered service in April 2018 with Widerøe, followed by Air Astana in December 2018. In addition to being selected as the exclusive propulsion system for the E2 commercial aircraft, Pratt & Whitney's APS2600E auxiliary power unit (APU) is the sole-sourced APU for the E2 family. The APS2600E APU gives airlines greater flexibility, by increasing the altitude ceiling for ETOPS and other operations, and providing a significant increase in electrical power delivery to meet the needs of today's airlines. The E195-E2 aircraft has more than 24% reduction in fuel burn per seat than the previous-generation E195, with NOx emissions 50% below the ICAO CAEP/6 regulation and 19dB to 20dB of ICAO Chapter 4 cumulative noise margin.



Embraer's new E195-E2 expected to enter into service in the second half of 2019  
Photo: P&W/Embraer



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**British Airways’ 747 in Heritage Design Lands at Heathrow**

Large crowds gathered at Heathrow on February 19, to watch the much-anticipated arrival of a British Airways Boeing 747 painted in the iconic design of its predecessor, British Overseas Airways Corporation (BOAC). The aircraft entered the IAC paint bay at Dublin Airport on February 5 where it was stripped of its current British Airways Chatham Dockyard design before being repainted with the BOAC livery which adorned the BOAC fleet between 1964 and 1974. Alex Cruz, British Airways’ Chairman and CEO, said: “The enormous interest we’ve had in this project demonstrates the attachment many people have to British Airways’ history. It’s something we are incredibly proud of, so in our centenary year it’s a pleasure to be celebrating our past while also looking to the future. We look forward to many more exciting moments like this as our other aircraft with heritage designs enter service.” From the paint bay at



British Airways Boeing 747 painted in the iconic design of its predecessor British Overseas Airways Corporation (BOAC)  
 Photo: BA

Dublin Airport, the BOAC Boeing 747 flew directly to Heathrow on the aptly named BA100 touching down on Tuesday morning. On Wednesday, February 20, it departed for New York JFK operating as flight BA117. This flight is particularly significant as it was the first route the B747 flew in BOAC colors. After this, the aircraft will continue to fly British Airways’ 747-operated routes proudly showcasing the design as part of the airline’s centenary celebrations. The aircraft can be tracked using Flight Radar, which will feature a special image of the livery. The BOAC

livery will remain on the Boeing 747 until it retires in 2023, to allow as many customers as possible to have the chance to see it. By that time, British Airways will have retired the majority of its 747 fleet, replacing them with new state-of-the-art long-haul aircraft. This includes taking delivery of 18 Airbus A350s and 12 Boeing 787 Dreamliners in the next four years – which feature new cabins and are more environmentally efficient – as well as another 26 short-haul aircraft, all part of the airline’s £6.5bn (US\$8.45) investment for customers.

**Safran to build Indian plant to make parts for LEAP engine**



Safran Aircraft Engines is to invest €36 million (US\$41 million) in the creation of a 13,000 square meter plant, including 8,000 square meters of workshops, to make parts for the LEAP turbofan engine from CMF International. CMF International is a 50/50 joint company between Safran Aircraft Engines and GE. Construction is due to commence mid-June this year with completion

in 2020. Initially the plant will have approximately 50 employees, which will rise to roughly 300 at full capacity, with parts production also commencing in 2020. “We’re delighted to open a new chapter in our long history with the Indian aerospace industry, thus reasserting Safran’s commitment to our “Make in India” strategy,” said Philippe Petitcolin, CEO of Safran. “Aerospace continues to be a significant driver of India’s growth, and we want to fully support this dynamic by bolstering our investments and training programs in the country.” When operating at full speed in 2023, the plant will be able to produce 15,000 parts per year to support the LEAP’s sustained production rate. CFM is set to deliver 1,800 engines in 2019, rising to 2,000 starting in 2020. The new-generation LEAP entered service in 2016 and powers more than 700 Airbus A320neo and Boeing 737 MAX commercial airliners, including 54 operated by Indian airlines.

**MIAT Mongolian Airlines Extends PBH Contract with AJW Group**

AJW Group has extended its power-by-hour (PBH) contract with MIAT Mongolian Airlines. This extension marks the addition of the carrier’s Boeing 737 MAX aircraft to the contract. The existing contract with MIAT Mongolian Airlines includes full PBH support for their Boeing 737 Next-Generation aircraft and the airline’s Boeing 767 aircraft. AJW will be positioning a dedicated main base kit inventory solution locally, specific to MIAT’s MAX aircraft, to meet their immediate operational needs in Mongolia. In addition, the extended program will give MIAT access to AJW’s stock of Boeing spares, conveniently sited for their global route networks across Europe, Central and Eastern Asia.



MIAT Mongolian Airlines extends PBH contract with AJW Group to include Boeing 737 MAX aircraft  
 Photo: AJW Group

**FL Technics Signs Exclusive Partnership with Italian Aircraft Seating and Interior Company JHAS**

FL Technics, a global provider of integrated aircraft maintenance, repair and overhaul services has concluded an exclusive partnership with JHAS, an Italian aircraft seating and interior company. “JHAS provides different, tailor-made solutions for aircraft interiors. This is not usual in aviation industry as we are looking for a breakthrough out of standardized seating environment. We are glad that JHAS chose us as their exclusive partners as this is a great opportunity for FL Technics also, giving us an upper hand in our services,” says Zilvinas Lapinskas, CEO at FL Technics. Since the beginning of this cooperation, FL Technics will be an official representative of JHAS in Europe, Africa, Middle East, CIS and Russian regions, as well as Asia Pacific region. FL Technics will act as exclusive seller and promoter of economy, business and first class seats so to cover all the typology of products for aircraft cabin interiors classes.



Horizon Business class seats from JHAS

Photo: FL Technics

**Oriens Aviation Expands into Pilatus PC-24 Sales and Support**



Oriens to expand Pilatus remit to PC-24

Photo: Oriens Aviation

Oriens Aviation has signed an agreement with Pilatus Aircraft to extend its exclusive U.K. and Ireland Authorised Pilatus Centre at London Biggin Hill Airport to the PC-24 Super Versatile Jet, effective immediately. In readiness, it is ramping up tooling and sending engineers to Stans, Switzerland for training to add the twin-engine jet to its Part 145 MRO approvals. It expects to achieve this by the end of the third quarter. Oriens’ announcement comes on the first anniversary of the business opening of its Authorised Pilatus Service Centre and a successful four years as the OEM’s representative, facilitating the introduction of 10 Pilatus PC-12s into service in its region.

**Aircraft Maintenance Services Australia Rebrands to Heston MRO**

Aircraft Maintenance Services Australia (AMSA), the Brisbane-headquartered independent MRO organization, has been rebranded to Heston MRO. Following recent acquisition of AMSA from previous airline owners, a truly independent MRO organization was created with a presence in all major Australian airports: Sydney, Melbourne, Brisbane, Perth, Adelaide, etc. Rebranding to Heston MRO is the first step on the strategic direction to create a strong independent Total Care MRO player in Australasia, a regional alternative to global MRO brands. With warehouses in Brisbane, Sydney and Melbourne, Heston MRO is launching its local components trading, exchange, repair management, and leasing business in the earlier half of 2019. This will be followed by Engine Management and on-wing services’ offering for airlines, leasing companies, and OEMs in the Australasian region. Further development up to light hangar maintenance is considered as the next growth stage.



Photo: Heston MRO

**Lufthansa Technik expands further into Hungary**



Signing ceremony Lufthansa Technik, Miskolc Holding  
Photo: LHT

Lufthansa Technik AG has confirmed its plans to open a new repair and overhaul facility for aircraft engine parts in Miskolc, Hungary. The operational site will extend to 20,000 square meters of production space, greatly benefiting customers of Lufthansa

Technik’s Engine Parts & Accessories Repair (EPAR) network. Once fully operational, the facility will employ up to 400 members of staff and will encompass state-of-the-art machinery for procedures such as cleaning, thermal spraying and heat treatment of engine parts, but also an extensive training and qualification program. Construction at the new site is planned to begin in 2021. Training and qualification courses for its employees will already begin in 2019 and will partly take place at the existing sites of the EPAR network in Germany, Ireland, Malaysia, China and the USA. “As the fourth-largest city in Hungary, Miskolc offers a great number of highly-qualified technical experts and moreover a good infrastructure”, said Philip Mende, Head of Engine Parts and Mobile Engine Services at Lufthansa Technik. “We look forward to building Lufthansa Technik Miskolc together and adding the new colleagues to our worldwide network.”

**The First BBJ MAX 8 Arrives at Comlux for Cabin Completion**



The first BBJ MAX 8 arrives at Comlux for cabin completion  
Photo: Comlux

Further to green delivery from Boeing back in December 2018, followed by exterior paint work, the first ever cabin completion for the BBJ Max 8 has arrived at Comlux Completion. Comlux is planning to deliver the aircraft to its U.S.-based owner before the end of the year. The cabin interior of the first BBJ Max 8 has been designed by New York-based architect, Peter Marino, FAIA, the principle and founder of Peter Marino Architect, a 160-person firm. Widely credited with redefining modern luxury through equal emphasis on architecture and interior design, Marino’s work includes award-winning residential, retail, cultural, and hospitality projects worldwide.

**Embraer Service Center in Sorocaba Performs First Complete Renovation of Legacy 600**



Legacy 600  
Photo: Embraer

The Embraer Executive Jets Service Center in Sorocaba, Brazil, has performed the first complete renovation of a Legacy 600 business jet. The used aircraft was purchased by a South American customer who chose to customize the whole aircraft with a new interior, systems upgrades and a new paint scheme. This Legacy 600, built in 2006, has received new seats, carpets, ceiling material and side panels, as well as a new varnish hue for all the furniture. The galley received new flooring and the divan and curtains now have new fabrics. The service team also performed an overhaul of the landing gear and the installation of ADS-B Out (Automatic navigation and aircraft tracking data transmission technology), along with a GPS upgrade. The company’s service center in Sorocaba started the Interior Shop implementation project in 2018 to expand the portfolio of services offered to Embraer Executive Jets’ customers. The Sorocaba Service Center is part of the TechCare platform, which offers the best integrated service and support solutions, from small repairs to fully customized services like this interior renovation, meeting customers’ highest standards.

**U.K.’s flybmi blames ‘Brexit uncertainty’ as it ceases operations – 1000s stranded**

East Midlands, U.K.- based low-cost carrier flybmi has filed for administration, citing ‘Brexit uncertainty’ as a principal reason for the company’s demise, along with spiking “fuel and carbon costs.” The airline ceased trading on Saturday, cancelling all flights without warning and leaving thousands of holidaymakers stranded. According to a flybmi spokesperson: “It is with a heavy heart that we have made the unavoidable announcement today. The airline has faced several difficulties, including recent spikes in fuel and carbon costs, the latter arising from the EU’s recent decision to exclude the UK airlines from full participation in the Emissions Trading Scheme. “These issues have undermined efforts to move the airline into profit. Current trading and future prospects have also been seriously affected by the uncertainty created by the Brexit process, which has led to our inability to secure valuable flying contracts in Europe and lack of confidence around bmi’s ability to continue flying between destinations in Europe. “Additionally, our situation mirrors wider difficulties in the regional airline industry which have been well documented. “Against this background, it has become impossible for the airline’s shareholders to continue their extensive programme of funding into the business, despite investment totalling over £40m (US\$52m) in the last six years. flybmi operated 17 small regional jet aircraft on routes to 25 European cities, and employed a total of 376 employees based in the UK, Germany, Sweden and Belgium. The demise of flybmi comes hot on the heels of other failed carriers including Monarch Airlines Airberlin, Niki and Germania.



flybmi  
Photo: AirTeamImages

**MRO & PRODUCTION NEWS**

**Joramco Obtains EASA Part-145 Approvals for Boeing 737 Max and Airbus A320neo**

Amman based MRO Joramco, the engineering division of Dubai Aerospace Enterprise (DAE), has obtained EASA Part-145 approvals for two additional aircraft types, the Boeing 737 MAX and Airbus A320neo. This is the third additional approval during the last six months following receipt of EASA Part-145 approval for the Boeing 787 in September 2018. Firoz Tarapore, Chief Executive Officer of DAE commented: “The addition of these approvals marks a significant milestone in Joramco’s transformation journey led by Joramco’s CEO, Jeff Wilkinson. It reaffirms Joramco’s commitment to excellence, allows us to deepen our existing customer relationships, and supports DAE’s vision of expanding Joramco’s capabilities and service offerings.”

**FINANCIAL NEWS**

**MTU Aero Engines AG continued to drive profitable growth in 2018**

MTU Aero Engines AG once again set new records in the financial year 2018. Revenues increased by 17% from €3,897.4 million in 2017 to a new high of €4,567.1 million. The group’s operating profit reached a new record level of €671.4 million, similarly beating the previous year’s result by 17 % (2017: €572.5 million). Net income also surpassed the previous record of €404.9 million set in 2017, growing by 18% to €479.1 million. MTU expects to generate revenues of around €4.7 billion in 2019. “All business units are geared for growth,” added CFO Peter Kameritsch. In 2019, the commercial series production business looks set to become the fastest-growing segment with an organic revenue increase in the low teens. Revenue growth in the mid-to-high single-digit percentage range is projected for the spare parts business in 2019, while revenues in the military engine business are expected to grow by 10%. MTU’s revenue forecast for its commercial maintenance business is for an organic growth rate in the high single-digit percentage range. MTU expects its EBIT margin adjusted to reach around 15.5% in 2019 (2018: 14.7%). Operating profit and net income adjusted are expected to increase in equal measure (EBIT adjusted, 2018: €671.4 million, net income adjusted, 2018: €479.1 million). The cash conversion rate, defined as the ratio between free cash flow and net income adjusted, is projected between 50% and 60% (2018: 42%). (€1.00 = US\$1.13 at time of publication.)

**Inflite The Jet Centre acquires Excellence Aviation**



Through Excellence Aviation Services Inflite moves into Bombardier Global Express MRO

Photo: Inflite

Inflite The Jet Centre, part of the Inflite group of companies based at London Stansted Airport, has bought Challenger and Global Express specialist Excellence Aviation Services. The purchase includes Excellence Aviation Services, its Part 145 organization and CAMO, as well as Excellence Aviation, its Part NCC aircraft management business. With fresh investment and a dedicated home within Inflite’s 250,000 ft<sup>2</sup> hangar space, Excellence Aviation Services’ line station activity will expand to offer full base maintenance at Stansted for Challenger and Global Express aircraft. Inflite, meanwhile, will continue to grow its Embraer executive jet MRO, together with its BBJ work. While London Stansted will be EAS’s new HQ effective immediately, it will continue to offer line maintenance at London Oxford, Luton, Stansted and Farnborough Airports. Its 12 staff, to be joined shortly by two more licensed engineers, will further strengthen Inflite’s 60-strong MRO team. EAS Founder Colin Solley and partner Mike Smith will remain with the business and play a significant role in shaping the group’s growth plans, said Christopher Creutz, Inflite The Jet Centre’s Managing Director, who joined from Lufthansa Technik two and half years ago.

**Jet Aviation Acquires Full Ownership of San Juan FBO**

Jet Aviation has acquired full ownership of the San Juan FBO at Luis Muñoz Marin International Airport in Puerto Rico, a provider of premium business aviation services at one of the most convenient U.S. points of entry for international flights. Jet Aviation has been operating the San Juan FBO



Jet Aviation San Juan FBO

Photo: Jet Aviation

under a management agreement with the previous owner, Pazos, since March 2017, when the FBO was rebranded as Jet Aviation. A new, larger hangar will open in the first quarter of 2019 to replace the one destroyed by the Hurricane Maria in 2017. The hangar – 20,000 ft<sup>2</sup> of hangar space and 2,500 ft<sup>2</sup> of office space – will offer customers parking facilities, refueling, third-party aircraft maintenance, meeting space, an executive passenger lounge, flight-planning workstations, and a pilots’ suite. The San Juan FBO also includes a full-service, onsite U.S. Customs and Border Protection terminal to facilitate convenient customs, immigration and agriculture processing of international flights. Hector Vasquez will continue in his role as FBO director and serve as general manager at San Juan. He has worked in FBO services for 34 years and was at Jet Aviation Teterboro for 26 years before moving to San Juan in 2018.

**FINANCIAL NEWS**

**Finnair Full-year 2018 Revenue Up 10.4%**

Finnair has reported that full-year 2018 revenue increased by 10.4% to €2,834.6 million. Available seat kilometers grew by 14.8% and the passenger load factor was 81.8%, down 1.5 points compared to full year 2017. Comparable operating result was €169.4 million compared to €170.4 million in 2017. Operating result was €207.5 million compared to €224.8 for full-year 2017. Net cash flow from operating activities was €383.1 million and net cash flow from investing activities was €-194.0 million. Unit revenue decreased by 3.9%. Unit revenue at constant currency decreased by 2.6%. (€1.00 = US\$1.13 at time of publication.)

**MILITARY AND DEFENCE**

**Lockheed looks to seduce Indian government with offer of locally made F-21 fighter jet**

In a bold move to try and secure an estimated US\$15 billion-plus order for 114 fighter jets from the Indian government, Lockheed Martin has unveiled its proposal to upgrade the previously offered F-16 and replace it with an F-21 configured specifically for its needs. Announcing its plans at Aero India 2019 in Bengaluru, Lockheed Martin has made it clear it would relocate its F-16 production plant in Fort Worth, Texas, to India and work alongside India's Tata Advanced Systems to produce the fighter jet. This would also be seen as a boost to Prime Minister Narendra Modi's 'Make-in-India' plan to build a domestic military industrial base and to create jobs. Lockheed Martin is in direct competition with Boeing's F/A-18, Saab's Gripen, Dassault Aviation's Rafale, the Eurofighter Typhoon and a Russian aircraft for the air force order. Originally Lockheed Martin had proposed the F-16 but while the Indian government was looking to upgrade its ageing fleet of Soviet-era fighter jets, it felt that the F-16 was not a sufficiently modern aircraft. "The F-21 is different, inside and out," Vivek Lall, vice president of Strategy and Business Development for Lockheed Martin Aeronautics, said in a statement. According to Reuters, a statement issued by the company indicated that: "Lockheed Martin also sees the F21 as India's gateway to the stealth F-35 fighter. "The F-21 has common components and learning from Lockheed Martin's 5th Generation F-22 and F-35 and will share a common supply chain on a variety of components," adding that production in India would create thousands of jobs for Indian industry as well as support hundreds of U.S.-based Lockheed Martin engineering, program management and customer support positions.



Pittsburgh Airport Arrivals

Photo: Gensler

**The Allegheny County Airport Authority Board of Directors** has approved a visionary concept design for the US\$1.1 billion Terminal Modernization Program at **Pittsburgh International Airport**. The concept design for the new terminal to be built adjacent to the current Airside facility between Concourses C and D and scheduled to open in 2023, was unveiled to airport employees and the public on Wednesday, February 20. It is based on a unique philosophy of nature, technology and community – NaTeCo – developed over the past seven months by the design team joint venture of architectural and engineering firms Gensler and HDR in association with luis vidal + architects. The firms, which were awarded the design contract in July 2018, have been studying the Pittsburgh region and taking their inspiration directly from the rolling hills and rivers, neighborhoods and communities, and new economic diversity that has led to Pittsburgh's re-emergence over the past few decades. Specifics of the design for the new terminal that consolidates check-in, ticketing, security and baggage operations into one connected facility, including square footages, will continue to be refined over the next phase of the project – Schematic Design – which is expected to run through summer 2019.

**Airbus** has inaugurated a new training center for commercial pilots and maintenance engineers in the National Capital Region of Delhi, as part of its continuing efforts to support the exponential growth of the civil aviation sector in the country. Airbus forecasts a need for more than 25,000 new pilots in India over the next 20 years to keep pace with the current double-digit growth in its commercial aviation industry. The training centre incorporates an A320 flight simulator for full-flight simulation, along with programs on aircraft procedure training, computer-based classroom training, and standard pilot transition training, including an 'Upgrade to Command' course aimed at improving skills and maturity of co-pilots as they transition to commandship. The facility will complement Airbus India's training center in Bengaluru which has trained more than 4,500 maintenance engineers since its inception in 2007. Globally, Airbus has a comprehensive and highly customized training program, aimed at pilots, maintenance crew and engineers. Its training facility in India is another testament to the company's focus on making the most advanced training technologies accessible to the subcontinent while creating a highly skilled workforce in line with the government's 'Skill India' initiative.



A320 simulator

Photo: Airbus

**INFORMATION TECHNOLOGY**

**Copa Airlines** has selected **GE Aviation's** AirVault Digital Records Management System for its fleet of nearly 100 Boeing 737 and Embraer 190 aircraft. Integration is currently taking place with Copa Airlines cross-fleet maintenance management system. The system enables connectivity between the airline's maintenance systems, with the capability of capturing the relevant data to connect with MRO's and lessors. The AirVault records management system is a mission-critical, cloud-based electronic document management system designed to manage the digital content and bi-directional processes of aircraft maintenance records for the world's largest airlines. The system provides a comprehensive solution that digitizes, indexes and archives all airline record types.

**GE Aviation** has signed digital Network Operations agreements with **AirAsia** and additional undisclosed airlines. Implementation of Network Operations will take place this year for the airlines. "Network Operations delivers powerful software applications that collect and analyze data streams in real time across multiple systems," said John Mansfield, chief digital officer for GE Aviation. "This helps airlines recover from disruptions faster and more efficiently than ever and enables them to recoup substantial costs in the process." AirAsia has signed a five-year contract for Network Operations Insights to provide a single view of disruption impacts on AirAsia's entire multi-hub network which carries close to 90 million passengers per year. This includes a Data Science project to help analyze the flight schedule and give insights into the delay cause of disruption. This opportunity further emphasizes AirAsia's continued trust in our products and services.

**OTHER NEWS**

**Willis Lease Finance Corporation (WLFC)** and **FLYdocs** have joined forces to develop a pilot program demonstrating the use of blockchain technology on an open source data sharing platform for aircraft, engine and component records. The two powerhouses are engaging in what they anticipate will be widely regarded as a pioneering move in the digital transformation of the aviation industry. Blockchain has already established a reputation in the financial sector as the core technology underpinning virtual currencies such as Bitcoin, and this initiative between WLFC and FLYdocs seeks to explore similar benefits within aviation. The



Liebherr-Aerospace new office opening in India

Photo: Liebherr-Aerospace

**Liebherr-Aerospace** has inaugurated its new and bigger regional office in M.G. (Mahatma Gandhi) Road in Bangalore. The move had become necessary due to the company's increase in activities and growth of the team on site. The office is proof of the aviation system supplier's long-term strategy to enlarge its footprint in India. The Liebherr-Aerospace team based in Bangalore supports Indian aircraft operators and manufacturers, as well as suppliers, and coordinates projects with the European-based OEM facilities **Liebherr-Aerospace Lindenberg GmbH**, Lindenberg (Germany), Liebherr's center of excellence for flight control, actuation, gears, gearboxes and landing gear systems, and **Liebherr-Aerospace Toulouse SAS**, Toulouse (France), Liebherr's center of excellence for air management systems.



**Ryanair** has confirmed that the company's directly employed pilots based in Belgium have voted by a majority of 98% in favor of a CLA (collective labor agreement), governing pay and conditions for the next four years. The agreement was negotiated between Ryanair and the unions BeCa, CNE-CSC and LBC-NVK, to cover all of Ryanair's directly employed Pilots in Belgium.



BA CityFlyer MUC apron

Photo: Munich Airport

**BA CityFlyer**, the British carrier, is providing a nonstop connection between Munich and London City Airport. Passengers can depart daily for the U.K. capital with an Embraer E190 airliner. The flight takes around two hours. Munich is now connected to five London airports. Employees of BA CityFlyer and Munich Airport celebrated the inaugural flight with a traditional ribbon-cutting ceremony.

**OTHER NEWS**

cutting-edge development attempts to be the first real use of a blockchain and artificial intelligence (AI) solution for managing commercial aircraft, engines and component transitions.

**Etihad Airways** will increase its flights from Abu Dhabi to London Heathrow from three to up to four daily services to meet peak demand during the month of April. Commencing April 5, 2019, the flights will be operated by a two-class Boeing 787-9, featuring Etihad Airways' next-generation Business and Economy cabins, configured with 299 seats – 28 Business Studios and 271 Economy Smart Seats.

**Aerospace Engineering Solutions (AES Global)**, a U.K. and EU aerospace design and certification organization, has extended its operations and has opened an engineering design office in Shannon, Ireland. To enhance this expansion, AES Global has gained EASA Part 21 approval for its Irish base, introducing DOA AES Global, trading under Aerospace Engineering Solutions. The opening of its Shannon office signifies the continuation of the company's growth plans in Ireland, providing local employment and adding engineering capabilities to meet with customer and regulatory demands. Throughout AES Global's 20-year history to date, the company remains a reliable design and certification organization for the local community of lessors and airlines, providing cost-effective design solutions to the aerospace community. Its "One-Stop-Shop" philosophy means DOA AES Global can fully support and understand the needs of its customers and can provide innovative solutions which meet European rules for operators.

**INDUSTRY PEOPLE**



Jari Järvelä

• Täby Air Maintenance (TAM), has appointed **Jari Järvelä** as its new Hangar Operations Manager. Järvelä has a long and varied technical career, most recently as workshop manager for a major construction equipment dealer. Previously he has worked as a helicopter mechanic, providing a thorough understanding of the aviation environment. TAM is a major, independent aircraft sup-

*Recommended Events*



**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*

port and maintenance company based in Örebro, 200 km west of Stockholm, Sweden. Having been in operation since 1989, TAM has accumulated a vast experience in general support, maintenance and overhaul of small-to-medium-sized airliners and freighters, with a focus on the Saab 340/Saab 2000 family of regional aircraft. Having all the necessary approvals, including EASA Part 145 and FAA Repair Station, TAM is ideally suited to support any operation with tailor-made maintenance and overhaul as well as having the leading Saab 340 cargo conversion program.



Raj Subramaniam

• FedEx Corp. has appointed **Raj Subramaniam** President and Chief Operating Officer, effective March 1. This appointment follows **David J. Bronczek's** personal decision to retire as President and Chief Operating Officer and from the Board. Subramaniam will continue to serve as President and CEO of FedEx Express and will also serve as co-president and co-CEO of FedEx Services. Subramaniam has been with FedEx for more than 27 years and has held various executive level positions in several operating companies and international regions.



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# THE AIRCRAFT AND ENGINE MARKETPLACE

## Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
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	CFM56-5B4/P	2620	2005	Q1/2020	Lease	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
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
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
B737-8AS	GA Telesis	CFM56-7B24	33813	2004	Now	Lease	Mauro Francazi	mfrancazi@gatelesis.com	+44 7387 418679
B737-8AS	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
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	10029	2001	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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# 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
<b>AE3007 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(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
<b>CF34 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
CF34-10E5A1 <b>NEW</b>	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@werner aero.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
<b>CF&amp; Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) CF6-80C2A2	Now - Lease	Castlelake	Stuart MacGregor	stuart.macgregor@castlelake.com	+44 2071906138
<b>CFM Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(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
(1) CFM56-3C1	Feb 19 - Sale	LCH Trading	Carlos Miranda	cmiranda@chaerospace.com	+1 954-644-9617



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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				
<b>JT8D and JT9D Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) JT8D-217C	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
<b>GEnx Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) GEnx	Soon - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
<b>LEAP Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) LEAP-1A33	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(2) LEAP-1B28	Soon - Lease				
<b>PW Small Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(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 Krysz	rkrysz@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	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@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