

# Weekly Aviation Headline News

## WORLD NEWS

### L3 launches female pilot sponsorship in the U.S

L3 Commercial Aviation have announced the launch of the L3 Pilot Pathways Women Aviators Scholarship programme in the U.S. The scholarships will provide female candidates with support towards the training costs of the Professional Pilot Programme at L3's Airline Academy in Sanford, Florida. Over the next 12 months, two successful candidates will receive financial support of up to \$25,000, and eight additional candidates will receive financial support of up to \$12,500.

### DFW Airport Announces CEIV certification

Dallas Fort Worth (DFW) International Airport have been awarded the CEIV certification from the International Airport Transport Association (IATA). DFW is one of only two airports in North America with a CEIV Pharma Community covering all links in the airport supply chain. DFW adopted a community approach for the certification process by assembling logistics partners specialized in ground handling, trucking, cold storage/warehousing, and freight forwarding, which represent essential links of the air cargo supply chain.

### Air Tanzania teams up with Maureva

Air Tanzania has joined the growing list of carriers that have chosen to implement Maurita's, ALEXIS – Flight Scheduling & Crew management Solution, to improve daily operations, enable better decision-making, enhance aircraft as well as crew utilisation and better manage disruptions. The solution will allow the carrier to efficiently generate optimised flight schedules, improve resources planning, allocation as well as crew satisfaction.



Etihad is in the midst of a transformation programme.

Photo: Boeing

## Etihad's transformation continues

While reporting a loss for 2018

Abu Dhabi-based carrier Etihad has said it has seen an improvement in core operating performance of 15% in 2018, 7% higher than forecast, on revenues of US\$ 5.86 billion. The airline reported a loss of US\$ 1.28 billion for the year (2017: US\$ -1.52 billion).

Since commencing its five-year transformation programme in 2017, the airline says it has improved its core operating performance by 34% despite challenging market conditions and effects of an increase in fuel prices.

Etihad carried 17.8 million passengers in 2018 (2017: 18.6m), with a 76.4% seat factor (2017: 78.5%) and a decrease in passenger capacity (Available Seat Kilometres

(ASK)) of 4% (from 115.0 billion to 110.3 billion).

The airline increased yields by 4%, largely driven by capacity discipline, network and fleet optimisation and growing market share in premium and point-to-point markets. Passenger revenues remained steady at US\$ 5.0 billion.

Following negotiations with Airbus and Boeing, revisions to Etihad's forward fleet commitments were announced on 14 February 2019. Under these agreements, the airline will take delivery of five Airbus A350-1000, 26 Airbus A321neo and six Boeing 777-9 aircraft in the coming years.

Etihad added Baku and Barcelona to its global network in 2018. The airline claims both routes are outperforming forecasts. Frequencies were increased to several destinations including Toronto, increasing weekly services from three to five, double-daily flights to Amman and Rome, and 11 weekly flights to Male, Maldives. Additionally, Etihad introduced its 787-9 on

**“Our transformation is instilling a renewed sense of confidence in our customers, our partners and our people.”**

*Tony Douglas, Group Chief Executive Officer of Etihad Aviation Group*

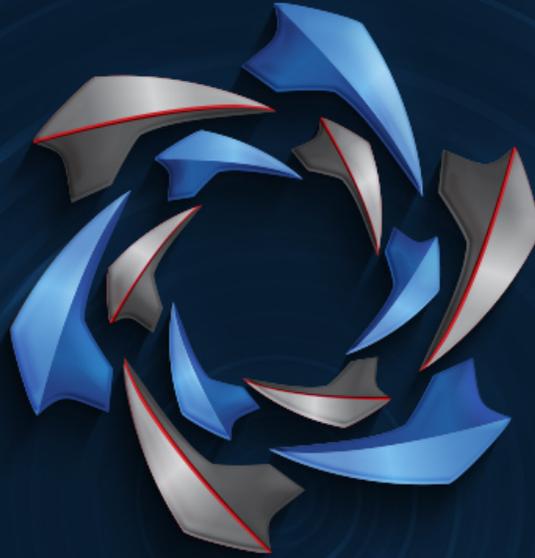
During 2018, Etihad Airways took delivery of eight new aircraft including three Boeing 787-9s, four Boeing 787-10s and one Boeing 777-200 freighter. The airline's fleet count at year end was 106, with an average age of 5.7 years.

*Continued on page 3*

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flights to Cairo, Casablanca, Jeddah, Rabat, Geneva, Kuala Lumpur and Rome. In October 2018, the airline introduced the Airbus A380 on a second daily flight to Paris Charles de Gaulle. New 787-10 aircraft were introduced on daily flights to Jeddah, Beijing, Nagoya and Seoul Incheon. A seasonal frequency increase using the 787-9 was introduced to London Heathrow, boosting daily services to four during the busy festive season.

Etihad recently announced the addition of the 787-10 on its Shanghai service and the 787-9

on flights to Chengdu, Hong Kong and Barcelona in 2019. Etihad will also add the Airbus A380 on its daily rotation to Seoul Incheon from 1 July, capitalising on this route's strong business and leisure demand.

Several unprofitable routes were discontinued in 2018 including Tehran, Jaipur, Entebbe, Dallas / Fort Worth, Ho Chi Minh City, Dhaka, Dar es Salaam, Edinburgh and Perth.

Tony Douglas, Group Chief Executive Officer of Etihad Aviation Group, said: "In 2018, we

continued to forge ahead with our transformation journey by streamlining our cost base, improving our cash-flow and strengthening our balance sheet.

"Our transformation is instilling a renewed sense of confidence in our customers, our partners and our people. As a major enabler of commerce and tourism to and from Abu Dhabi, we are intrinsically linked to the continued success of the emirate."

**AIRCRAFT & ENGINE NEWS**

**AviaAM Leasing delivers two Airbus A321s to Air Transat**

AviaAM Leasing has delivered two Airbus A321-211 aircraft to Canada's holiday travel airline company – Air Transat. Within just a few months, the AviaAM Leasing team fully administered the necessary aircraft checks according to the new operator's requirements. The aircraft MSN 4103 and MSN 4500 were finally delivered to the customer at FL Technics facilities in Kaunas under a 74-months operating lease agreement. AviaAM Leasing's and Canadian low-cost leisure airline Air Transat's cooperation started in 2018. The leasing company delivered two Airbus A321-211s to the carrier ahead of schedule.

**Air Lease Corporation Delivers one Airbus A320-200neo to Air New Zealand**

Air Lease Corporation has delivered one new Airbus A320-200neo aircraft on long-term lease

**Orders and deliveries – Boeing and Airbus**

Airbus v Boeing: Orders and Deliveries					
February 2019 YTD					
Airbus			Boeing		
Type	Orders	Deliveries	Type	Orders	Deliveries
A220	-1	3	737	26	66
A320 Family	-25	69	747	0	1
A330	0	2	767	4	6
A350	-42	14	777	0	3
A380	-31	0	787	18	19
<b>Total</b>	<b>-99</b>	<b>88</b>	<b>Total</b>	<b>48</b>	<b>95</b>

Source: Airbus

Source: Boeing

Airbus booked an order in February for four A220s – the newest addition to Airbus' single-aisle jetliner product line – and delivered 49 single-aisle and widebody aircraft to 33 customers during the month.

Boeing generated orders for five aircraft in February including four 767s and a single 737. A total of 49 aircraft were delivered during the month.

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**AIRCRAFT & ENGINE NEWS**

to Air New Zealand. Featuring Pratt & Whitney PW1127G engines, this aircraft is the first of two A320-200neos confirmed to deliver to the airline in 2019 from ALC’s order book with Airbus.

**MRO & PRODUCTION NEWS**

**Newbow Aerospace starts 2019 with Expansion**

Newbow Aerospace, a design, manufacturer and supplier of Ground Support Equipment to the aviation industry, has announced a significant expansion of its manufacturing and production facility to meet customer demand. The new facility, which neighbors its headquarters in central U.K., will see the company’s production capacity double in size, increase its workforce by 30% and introduce significant new product development for its leading-edge manufacturing, fabrication and assembly of its ground support equipment. Work has already commenced on Newbow’s extended facility and is due to be complete by Spring 2019. The new facility will accommodate a new, larger, oxygen-clean assembly room, conforming to applicable standards and allowing increased assembly, testing and throughput of gaseous charging systems and components. In addition, a new, larger calibration laboratory will be introduced, meeting the latest standards for the calibration, re-calibration and testing of ground support measurement equipment.

**StandardAero Receives EASA Certification for Fleetlands U.K. TFE731 Engine MRO Facility**

One year after announcing its agreement with Honeywell to serve as the only authorized TFE731 heavy engine maintenance facility located in the Europe, Middle East, Africa and India (EMEA) region, StandardAero’s Fleetlands, U.K. facility has also been granted European Aviation Safety Agency (EASA) certification by the U.K. Civil Aviation Authority. The EASA approval follows Honeywell’s certification of the Fleetlands’ test cell earlier this month. Both certifications follow several months of test cell modifications at Fleetlands, culminating in the successful testing of TFE731-5BR and TFE731-60 model engines where test data from these engines was also tested and correlated within a Honeywell production test cell located in Phoenix, Arizona. In addition to engine MRO services, StandardAero is authorized to perform line level maintenance on Honeywell 36-series APUs at the Fleetlands facility and the company is continuing with expanding Mobile Service Teams in EMEA to provide on-site service to the approximately 600

**Airbus Helicopters Wraps up Heli-Expo 2019 with 43 Orders**



Airbus at Heli-Expo 2019

Photo: Airbus Helicopters

Airbus Helicopters wraps up the 2019 edition of Heli-Expo with 43 orders from worldwide customers announced for the whole Airbus civil product range – H125, H130, H135, H145, H160, H175 and H225. Twenty-one helicopters of the 43 orders announced at the show were from longstanding Airbus Helicopters customer Air Medical Group Holdings (AMGH), which unveiled a contract for a mix of single-engine H125s and twin-engine H135s. Major highlights included the launch of a new version of the H145 providing increased performance, comfort, simplicity and connectivity to the twin-engine best-seller. This new H145 secured launch customers in key market segments with orders for 10 units being announced at the show, as well as retrofits for nine helicopters. Heli-Expo also saw some key partnership announcements with the selection of the Pratt & Whitney (PW 206B3) turbine engine to power the Airbus H135 IFR-certified helicopter the company is proposing for the U.S. Navy helicopter trainer replacement. Airbus Helicopters also announced partnerships with Skytrac, AMS and Lundin Software to enhance its data collection capabilities that will enrich Airbus databases and inform analytics services that offer value to customers.

**DAE completes delivery of six Boeing 787s to Gulf Air**



Gulf Air

Photo: AirTeamImages

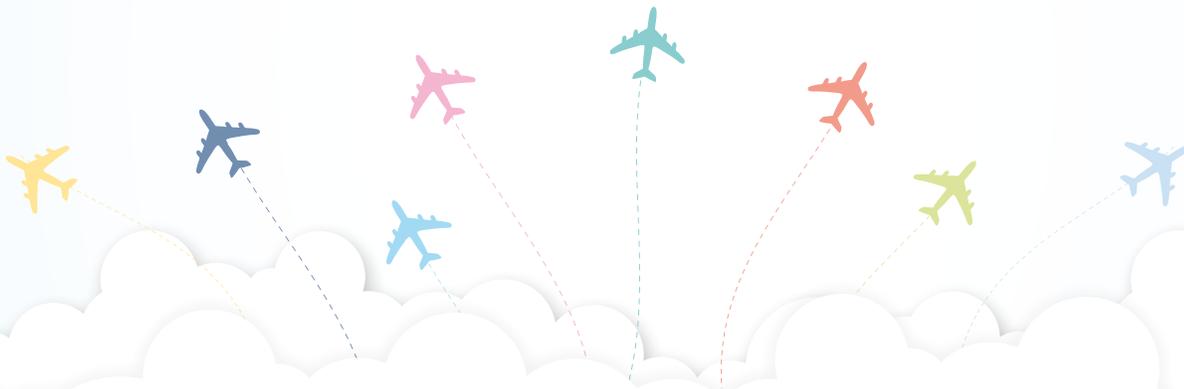
Dubai Aerospace Enterprise (DAE) has completed the delivery of six Boeing 787-9 Dreamliner aircraft to Gulf Air. The aircraft lease agreement was signed in November 2017 and the aircraft were delivered between April 2018 and February 2019.

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**MRO & PRODUCTION NEWS**

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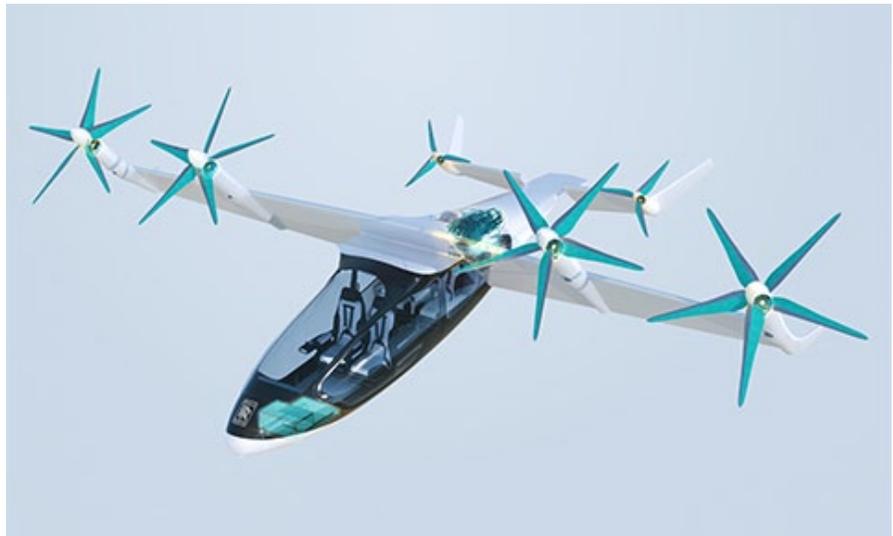
**Air Arabia Selects Honeywell Maintenance Services**

Air Arabia has selected Honeywell to extend maintenance services and supply APUs for the airline's fleet of Airbus A320ceo aircraft. The selection will see the two companies extend their decade-long working relationship and includes an agreement for Honeywell to continue to supply repair services to the airline. Alongside the APU upgrade to its A320ceo fleet, Air Arabia also upgraded two of its A320s with Honeywell's 131-9A APU, ensuring greater reliability and commonality with the rest of its fleet. The Honeywell 131-9A APU supplies compressed air to start the main engine, as well as air conditioning and electrical power on the ground and in flight. It is known for its reliability and lower maintenance costs over the course of the entire life cycle, resulting in significant fuel savings. The APUs are also fitted with the Predictive Trend Monitoring and Diagnostics Program, which reduces unscheduled removals due to unforeseen faults.

**AAR earns JCAB Approval to Expand Services to Japanese Airlines**

AAR has received approval from the Japan Civil Aviation Bureau (JCAB) to serve Japanese airlines that require repair stations to provide JCAB-authorized release certificates. This new certification will expand AAR's Japanese customer base and further strengthen the company's position in Asia. AAR Aircraft Component Services (ACS) has this certification now in addition to FAA, EASA and CAAC. The work will be performed in AAR's ACS facility in Amsterdam.

**Rolls-Royce successful ground tests hybrid system using its M250 gas turbine**



Rolls-Royce ground tests hybrid system using its M250 gas turbine

Photo: Rolls-Royce

Rolls-Royce has taken a significant step towards realizing its ambition to provide hybrid-electric propulsion systems for the next generation of aviation. The company announced that it successfully ground tested a hybrid system using its M250 gas turbine, a highly successful engine usually powering helicopters. The tests are part of one of the most comprehensive hybrid aerospace turbine engine development and integration programs and pave the way for experimental flights on aircraft in 2021. Rolls-Royce said that it successfully tested the hybrid version of the M250 gas turbine in a ground demonstration setting in three operating modes: Series Hybrid, Parallel Hybrid and Turbo-Electric. The M250 hybrid is planned to be used as a propulsion plant with a power ranging from 500kW to 1MW and has the potential to transform aviation power. The system will be used across a range of transport platforms to enable distributed electric propulsion, including EVTOLs (hybrid electric vertical take-off-and-landing vehicles), general aviation aircraft and hybrid helicopters. Complete engine testing took place at its state-of-the-art facility in Indianapolis, U.S., where each component and sub-system of the hybrid engine was individually tested for electrical performance. These tests included simulating use across take-off, cruise, landing and taxiing, and confirmed the system's suitability for a range of transport platforms including aircraft with a range of up to 1000 miles and weighing up to 2000kg. This would support the Rolls-Royce EVTOL concept which was unveiled during the Farnborough Air Show in the U.K. last year, as well as meeting many other customers' requirements.

**EGYPTAIR CARGO**

**Announces a Public Auction No. PL153 /2018-2019 for sale**

**(1) A300B4 (YOM 1983, CF6-50C2 engines) &**

**(2) A300-600 (YOM 1990/91, PW4158 engines)**

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**The submission closing date is Monday, 15<sup>th</sup> of April 2019**

**Late submission will not be considered**

Bidders' enquiries, Auction's Terms & Conditions and Aircraft Technical Brochure to be requested through

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**FINANCIAL NEWS**

**Embraer fourth-quarter results – major loss reveals executive jet concerns**

Embraer SA, the Brazilian plane maker, has reported an unexpected fourth-quarter loss due to a write down in its underperforming executive jets division. The results have subsequently cast even greater concern over the company’s decision to sell off 80% of its profit-making commercial jet unit to Boeing. The US\$18.1 million fourth-quarter loss was primarily due to the US\$61.3-million write down for spending on research and development for the ‘Legacy’ line of jets which have underperformed where anticipated sales are concerned. The originally anticipated return was US\$8.4 million based on a Refinitiv poll of six analysts. With the defense arm of Embraer posting an operational loss of US\$183 million in 2018 and the executive jets division a loss of US\$57.5 million, shares fell 2 percent on the Bovespa stock index and a total of 15 percent over the year, the majority of this loss coming after January’s warning that the company had missed its revenue estimates for 2018. With 50 percent of Embraer’s revenue coming from commercial jet sales, up from 38 percent in 2017, the sale of 50% of the commercial jets division for US\$4.2 billion will now shed uncertainty over the future of the company, a fear backed up by a considerable degree of resistance concerning the sale. Embraer lost US\$178 million in all of 2018, compared to a profit of \$264 million in 2017. Embraer had told investors in January that it had missed its revenue estimates for 2018 and the company would see little to no profits in 2019 and 2020.

**Icelandair Group enters into US\$80 million loan agreement**

Icelandair Group has entered into a US\$80 million loan agreement with an Icelandic financial institution. Ten of the company’s Boeing 757 aircraft will be encumbered as a security for the repayment of the loan. The maturity date of the loan will be based on a 5-year term. The company expects that the loan amount will be used as a partial redemption of Icelandair Group’s issued bonds.

**Bombardier Concludes Sale of Business Aircraft Training Unit to CAE**

Bombardier has confirmed the conclusion of the sale of its flight and technical training activities to CAE, for an enterprise value of CA\$645 million (US\$485 million). Net proceeds are expected to be approximately

**Lufthansa Group orders 40 total 787-9 and A350-900 jets to slash operating costs**



Boeing 787-9

Photo: Lufthansa

In a bid to streamline operations and reduce aircraft running costs, Lufthansa Group has confirmed the placement of an order for 20 Boeing 787-900 and Airbus A350-900 state-of-the-art long-haul jets. While neither the Group nor the two airplane makers would confirm the agreed purchase figures, at book prices the deals have a total value of US\$12 billion. Set for delivery between 2022 and 2027, the new jets will replace existing four-engine long-haul aircraft. Commenting on the Group’s decision, Carsten Spohr, CEO and Chairman of Lufthansa Group, said: “By replacing four-engine planes with new models, we are laying a sustainable foundation for our future in the long run. In addition to the cost-effectiveness of the A350 and B787, the significantly lower CO2 emissions of this new generation of long-haul aircraft was also a decisive factor in our investment decision. Our responsibility for the environment is becoming more and more important as a criterion for our decisions.” Incorporating these new more-economical aircraft, operating costs in comparison to early aircraft should drop by around 20 percent. Additionally, Lufthansa Group should significantly reduce the diversification and complexity of its fleet over the next few years through taking seven aircraft types out of service, so reducing cost and complexity for maintenance and the supply of replacement parts. The Lufthansa Group will also sell six of its 14 Airbus A380 planes to Airbus. The aircraft will be leaving Lufthansa in 2022 and 2023. Lufthansa continuously monitors the profitability of its world-wide route network. As a consequence, the group is reducing the size of its Airbus A380 fleet from 14 aircraft to eight for economic reasons.

**First A320neo for Uzbekistan Airways**



Uzbekistan Airways takes delivery of first A320neo

Photo: Airbus

Uzbekistan Airways, the flagship airline of Uzbekistan, has taken delivery of its first A320neo. The aircraft, acquired through a leasing contract with BOC, is part of an order for two aircraft, featuring a two-class cabin with 12 premium and 138 economy seats. The aircraft is powered by CFM Leap 1A engines. Uzbekistan Airways became the first airline in 1996 in a CIS country to operate a Western-built aircraft. The A320neo will join the airline’s fleet of ten A320neos operated since 2010, across a network in Europe, America, the Middle East and Asia.

**FINANCIAL NEWS**

CA\$500 million (US\$376 million) after the assumption of certain liabilities, fees, and closing adjustments. Bombardier and CAE also agreed to continue their Authorized Training Provider (ATP) relationship pursuant to which CAE carries out the training activities for Bombardier Business Aircraft, including from the training centers located in Montréal and Dallas.

**BOC Aviation posts full-year 2018 results**

BOC Aviation has reported its financial highlights for the year ended 31 December 2018. Total revenues and other income rose 23% year-on-year, to US\$1,726 million. Profit before tax was US\$685 million, up 24% year-on-year, and net profit after tax was US\$620 million. Total assets increased 14% year-on-year, to US\$18 billion at 31 December 2018. The company raised US\$2.7 billion in new financing and ended the year with a debt to equity ratio of 3.0 times. BOC Aviation maintained strong liquidity with US\$243 million in total cash and short-term deposits, and US\$3.6 billion in undrawn committed credit facilities at 31 December 2018.

**Héroux-Devtek Reports Fiscal 2019 Third-Quarter Net Income of CA\$7.4 million**

Héroux-Devtek has reported that consolidated sales increased 49.0% to CA\$144.5 million, compared with CA\$97.0 million last year, driven by CESA and Beaver which together have contributed CA\$39.6 million, as well as 8% organic growth. The company achieved higher sales in both defense and commercial aerospace markets and had a net positive impact on third-quarter sales of CA\$1.6 million, resulting from year-over-year fluctuations in the value of the Canadian currency versus foreign currencies. Commercial sales increased 25.7% to CA\$65.5 million, compared with CA\$52.1 million last year. This was mainly driven by Beaver and CESA's sales, increased deliveries to Boeing for the 777 and 777X programs, as well as higher business jet sales, mostly related to the ramp-up of deliveries for the Embraer 450/500 program and higher sales of spares. Defense sales increased 76.0% to CA\$79.0 million, from CA\$44.9 million. This was essentially due to Beaver and CESA's sales, higher spares requirements from the U.S. Government and higher manufacturing sales to certain civil customers. These factors were partially offset by the ramp-down of repair and overhaul ("R&O") activities for

**Ethiad Airways Engineering Expands Capabilities with A350 MRO Services**



A350 undergoing heavy maintenance and modifications at Etihad Airways Engineering facility in Abu Dhabi  
Photo: Etihad Airways Engineering

Ethiad Airways Engineering has added Airbus A350 maintenance capabilities to its extensive inhouse portfolio. Etihad Airways Engineering is part of the Airbus MRO Alliance and has emerged as a centre of excellence for the Airbus A380, having supported the A380 fleets of Etihad Airways and third-party customers in the Middle East, Asia, Europe and Australia. The company continues to extend its coverage of major commercial aircraft types and has now received the landmark approval for Airbus A350 maintenance, awarded by the UAE General Civil Aviation Authority (GCAA). The first A350 aircraft to arrive for maintenance in Abu Dhabi comes from the company's long-term client, LATAM Airlines group. The aircraft will undergo a heavy maintenance check and modifications as part of its routine maintenance program. The C-check will be followed by full stripping and painting of the aircraft in LATAM's livery. The airline group is due to send additional A350 aircraft for scheduled maintenance in Abu Dhabi during the year.

**Pratt & Whitney's Singapore Engine Center Completes First GTF™ Engine MRO**



P&W GTF engine on automated transporter

Photo: Pratt & Whitney Pratt & Whitney

Eagle Services Asia, Pratt & Whitney's engine center in Singapore, marks its first PW1100G-JM GTF™ engine overhaul. It also achieved FAA certification in March 2019, adding to approvals received from EASA and CAAS in late 2018. This milestone shows that the facility is progressing on track with ramping up for GTF overhauls. In January 2019, Pratt & Whitney announced the successful induction of the first GTF engine at Eagle Services Asia. To accommodate the GTF MRO capability in its existing capacity, the facility retrofitted and re-designed its shop floor, as well as upgraded its test cell infrastructure and software. Over 2019, it will transition to a ground-based flow-line. Now equipped with MRO capability for the GTF engine, Pratt & Whitney's Singapore engine center today can accommodate six (6) engine types, namely the PW4000-94, PW4000-100, PW4000-112, GE90, GP7200 and PW1100G-JM. The facility is a member in the global network of MRO facilities that service Pratt & Whitney's GTF engines.

**FINANCIAL NEWS**

the United States Air Force following completion of the contract. Gross profit increased to CA\$24.9 million, or 17.2% of sales, versus CA\$15.8 million, or 16.3% of sales, last year. The increase was mainly driven by the impact of the Beaver and CESA acquisitions and higher throughput which led to better absorption of manufacturing costs, partially offset by exchange rate fluctuations which had a negative impact of 0.6% of sales during the quarter. Operating income increased to CA\$11.9 million, or 8.2% of sales, compared with CA\$6.6 million, or 6.8% of sales, last year, reflecting mainly the Beaver and CESA contributions. This year and last year's operating income included acquisition-related costs of CA\$2.1 million and CA\$0.6 million, respectively, in connection with the acquisitions of CESA and Beaver. Adjusted EBITDA, which excludes non-recurring items, also grew, reaching CA\$22.9 million, or 15.8% of sales, compared with CA\$13.6 million, or 14.0% of sales, a year ago. Financial expenses increased to CA\$2.8 million, compared with CA\$0.4 million last year. This variation mainly reflects the interest charge on new debt incurred to finance the CESA acquisition and higher interest rates. Last year's financial expenses also included a CA\$0.6 million net gain on certain derivative financial instruments.

Net income for the third quarter of fiscal 2019 was CA\$7.4 million compared with CA\$0.6 million a year ago. Excluding non-recurring items net of taxes, adjusted net income reached CA\$9.4 million versus CA\$5.7 million last year. (US\$1.00 = CA\$1.34 at time of publication.)

**MILITARY AND DEFENCE**

**AIM Norway, Lockheed Martin to Establish F-16 Sustainment Hub in Norway**

AIM Norway and Lockheed Martin have signed a historic agreement to jointly establish the world's first Lockheed Martin-licensed F-16 'Falcon Depot' center for the Royal Norwegian Air Force (RNoAF) and other regional F-16 customers. The facility will be located in Kjeller, Norway, at an existing maintenance, repair and overhaul (MRO) facility used by the RNoAF. AIM Norway offers decades of F-16 sustainment knowledge that can benefit F-16 customers across the globe by leveraging AIM's extensive technical expertise and capabilities. Lockheed Martin, the original equipment manufacturer and design authority of the F-16, is leveraging AIM's extensive technical expertise and MRO experience to support the Royal Norwegian Air Force, regional customers and the global F-16 fleet. Lockheed Martin continues to grow its F-16 customer base and sees new F-16 production opportunities totaling more than 400 aircraft. There are approximately 3,000 operational F-16s in service today with 25 countries. AIM Norway is also expanding its footprint and capabilities in Norway. The F-35 Joint Program Office selected Rygge Air Base, Norway as an F135 engine MRO&U center. The RNoAF currently has nine F-35s in the country and Norway's F-35 fleet is expected to grow to 52 aircraft.

**INFORMATION TECHNOLOGY**

Johannesburg, South Africa based **Airlink** recently completed its implementation of the **TRAX** eMRO cloud software solution. eMRO caters to every aspect of aircraft maintenance

management. It is deployed via any web browser and allows users to stay connected from any work location. With true offline capability, eMRO automatically synchronizes when connected. Airlink is a feeder network airline aimed at linking the smaller towns, regional centers and hubs throughout the country. It is in a strategic alliance with **South African Airways** and **South African Express Airways** and serves 38 destinations in 9 countries on the African continent. The fleet of 59 aircraft includes Embraer ERJs, Avro RJ85s, and Cessnas. Recently, Airlink became the first South African airline to acquire Embraer E-Jets (E-170s and E-190s). Airlink will next move into Phase 2 of its modernization plans and employ the TRAX eMobility web-based and iOS apps. The combination of eMRO and eMobility software products will allow the Airlink team to be truly mobile in its maintenance operation. TRAX congratulates Airlink team on their accomplishment.

**Sky Prime**, the Saudi Arabia-based private jet operator, has chosen the **Honeywell** Avionics Protection Plan and Mechanical Protection Plans to ensure the Honeywell equipment on board its Gulfstream jets is protected to enhance performance of the aircraft and help reduce downtime during repairs. The Honeywell Avionics Protection Plan (HAPP) is a maintenance service program that offers full coverage for all Honeywell avionics. The plan is designed to help operators avoid unplanned maintenance costs and downtime by agreeing to a fixed-price annual fee, which helps operators handle unforeseen issues quickly to keep their aircraft in service. The Honeywell Mechanical Protection Plan (MPP) provides aircraft operators with access to rapid service and support from Honeywell-trained product experts for maintenance of Honeywell mechanical technologies.



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**OTHER NEWS**

**Air France KLM Group** has published its traffic figures for February 2019. The number of passengers increased 4.1% to 7.0 million passengers compared to the previous year and traffic increased 2.8%. Group capacity was up 2.6% in February and the load factor improved 0.2 points to 87.1%

**WestJet** posted February 2019 traffic results with a load factor of 87.0%, an increase of 0.6 points year over year. Traffic increased 5.6% year over year, while capacity grew 4.9% over the same period. WestJet welcomed an additional 62,000 guests in February, a year-over-year increase of 3.2%.

The **International Air Transport Association (IATA)** released data for global air freight markets showing that demand, measured in freight ton kilometers (FTKs), decreased 1.8% in January 2019, compared to the same period in 2018. This was the worst performance in the last three years. Freight capacity, measured in available freight ton kilometers (AFTKs), rose by 4.0% year-on-year in January 2019. This was the eleventh month in a row that capacity growth outstripped demand growth. Demand for air cargo continues to face significant headwinds. Global economic activity and consumer confidence have weakened, while the Purchasing Managers Index (PMI) for manufacturing and export orders has indicated falling global export orders since September 2018. "Air cargo markets contracted in January. This is a worsening of a weakening trend that started in mid-2018. Unless protectionist measures and trade tensions diminish there is little prospect of a quick re-bound," said Alexandre de Juniac, IATA's Director General and CEO.

While U.K. transport Minister **Chris Grayling** has approved the latest proposals for the creation of a much-needed third runway at **London's Heathrow airport**, the plans are now subject to five legal reviews which began this week, and which are likely to last for a fortnight before judges retire to consider their decision. Of principal concern is the effect on air quality in the area surrounding the airport as passenger numbers are likely to increase some 60% to 132 million per annum. Not only will this see an increase of 700 extra flights per day, and an increase of 42,000 cars using the location each day, with no sign of any additional rail infrastructure. One of the legal actions is being taken by a coalition of **Greenpeace**, **The Mayor of London** and **local councils** that will be directly affected by the airport's expansion. Friends of the Earth is looking to challenge the expansion on the grounds that plans have failed to consider the need to mitigate climate change under the Paris Agreement. The go-ahead for a third runway at Heathrow was made through the NPS, the policy framework for expansion at the

**QAZAQ AIR, the young regional Kazakh airline, has signed up for Rusada's maintenance management software, ENVISION.**



QAZAQ AIR Q400

Photo: Rusada

QAZAQ AIR has carried over 800,000 passengers since its launch in 2015. Utilising a fleet of modern Bombardier Q400's, the carrier serves multiple destinations across Kazakhstan including Astana, Atyrau, Uralsk, Aktau, and Zhezkazgan. Rusada will now work closely alongside QAZAQ AIR to deliver a seamless and timely transition to ENVISION, allowing the carrier to focus all their efforts on day-to-day operations. This is the company's first customer in Kazakhstan and expands their presence in the CIS region.



P-3C aircraft

Photo: MHD-Rockland Services

**MDH-Rockland Services** has chosen **WinAir** Version 7 to manage its aircraft maintenance programs. The company completed an on-site Pre-implementation Consultation and determined that WinAir was the solution of choice for their operation. Based on MHD-ROCKLAND Services' requirement for significant hands-on support, aggressive implementation timeline, and the intricate nature of their new line of business, WinAir was the viable solution that was recommended. "Flight Operations" is a newly established division of MHD-ROCKLAND Services, with a hangar facility located at the Keystone Heights Airport, Starke, Florida, USA. The company is currently in the process of ramping up operations for its fleet of five recently acquired aircraft and is preparing for its commercial Aircraft Operator Certificate (AOC). The Flight Operations Division will concentrate primarily on the training of P-3C flight crews (pilots and flight engineers) for the P-3C Orion aircraft. It will draw on the experience of its parent company MHD-ROCKLAND Inc., which has operated in the aerospace industry for over 50 years, maximizing aircraft performance, reducing downtime, and extending the service life of aging commercial and military fleets. The parent company is also a US Government channel partner and boasts one of the world's largest privately-owned P-3 and C-130 inventories. Since MHD-ROCKLAND Services will be training and performing maintenance exclusively on the P-3C Orion and, knowing that WinAir has experience with similar complex aircraft variances, this added to their confidence in the product

**OTHER NEWS**

airport devised by Grayling. The legal firm Leigh Day, which is representing Friends of the Earth, alleges the policy is unlawful because it amounts to a breach of the UK's climate change commitments and its duties towards sustainable development. A spokesperson for the Department for Transport said: "Expansion at Heathrow is a critical programme which will boost the economy, increase our international connections and create tens of thousands of new jobs. "As with any major infrastructure project, the government has been anticipating legal challenges and will robustly defend our position. We recognize the local impact of any expansion, which is why a world class package of mitigations would need to be delivered."

**AeroMobile**, a subsidiary of **Panasonic Avionics Corporation**, has added **TAP Air Portugal** to its connected fleet. TAP Air Portugal's first connected Airbus A330-900neo entered into service in December 2018. TAP Air Portugal is the very first airline to operate the next-generation A330-900neo aircraft. The onboard AeroMobile service allows TAP Air Portugal passengers in all cabin classes to use their mobile devices to send and receive SMS, catch up with emails and browse the internet from 20,000 feet. Following the successful launch of its first aircraft with inflight mobile connectivity, TAP Air Portugal will add an additional 37 aircraft over the next year, reaching a total of 71 aircraft by 2025. The A330-900neo fleet with inflight mobile connectivity will be deployed on services to Sao Paulo, with four other Brazil destinations launching across 2019.

**Boeing** will begin offering airlines and operators the option of powering their new commercial jet with biofuel for the flight home. The program is designed to further spur the use of sustainable aviation fuels – which cut emissions up to 80% – and support the industry's drive to protect the environment. The biofuel option will be available for customers accepting new airplanes at Boeing's delivery centers in Seattle and Everett, Wash. The company also plans to use biofuel for certain flight tests at its Boeing Field facility, while working to offer the same option at its South Carolina Delivery Center. "This is another step in our decade-long journey to encourage the adoption of sustainable fuels and help commercial aviation earn its license to keep growing," said Sheila Remes, vice president of strategy at **Boeing Commercial Airplanes**. "We have great customers such as Alaska Airlines that have made good progress in adopting the use of biofuels. We hope this new option will make it easier for them and others to demonstrate our industry's commitment to reduce carbon emissions." **Alaska Airlines**, the first participant in the program, will use a blend of biofuel made by World Energy and traditional fuel when it takes delivery of three



airBaltic

Photo: AirTeamImages

**airBaltic**, the Latvian airline, has ordered an Airbus A220 Level D full-flight simulator from global aviation training leader **CAE**. The new CAE 7000XR Series simulator is scheduled for delivery by the end of 2019. The simulator will be based at the airBaltic training facilities at Riga International Airport. The business plan for its purchase and utilization has been approved by the airBaltic Supervisory board.

**Boeing 737 MAX airplanes this year.**

During a meeting between the co-chairs of the Bilateral Oversight Board (BOB) at the **Federal Aviation Administration's (FAA)** Headquarters in Washington, D.C., the officials with FAA and the European Union (EU) signed two decisions associated with the Airworthiness Annex of the U.S./EU Safety Agreement. The first decision enables reductions of the EU's **European Aviation Safety Agency (EASA)** fees for validation of U.S. aerospace products. This achievement is the culmination of a multi-year effort to reduce duplication of efforts by the FAA and EASA, and to lower EASA fees on U.S. industry to be more commensurate with that reduced level of effort. The decision covers simple design modifications such as Basic Supplemental Type Certificates. Fee reductions will take effect 30 days from the contract signing (March 8, 2019). The second decision amends the U.S./EU Safety Agreement to remove country specific limitations associated with aeronautical products and parts eligible for import into the United States. This amendment treats all EU Member States equally under the agreement and recognizes EASA's oversight and standardization processes throughout their jurisdiction. "The FAA is fully committed to mutually working together with our international partners to improve aviation oversight and management," said FAA Associate Administrator for Aviation Safety and BOB Co-chair Ali Bahrami. "These agreements are a win, win for both the United States and Europe by providing greater access to aerospace markets, products and services."

**INDUSTRY PEOPLE**

- **DRAKKAR**, a specialized company in operational outsourcing within leading-edge sectors including Aerospace and Avianor has finalized a partnership agreement which will enable Avianor to accelerate its growth strategy. With the help of Ernst & Young Orenda Corporate Finance, Avianor strongly believes the strategic and Canadian-based company **DRAKKAR** is the best partner to secure the future of Avianor. Following this transaction, effective as of February 28, 2019, the Avianor board of directors now consists of **Earl Diamond**, CEO of Avianor, **Sylvain Savard**, President and Founder of Avianor, along with two new members from **DRAKKAR**, **Denis Deschamps**, President and CEO of Drakkar & Partners, and **Benoit Hudson**, President and CEO of their Manufacturing business unit.



Gerry Aubrey

- **WNG Capital** the independently owned lessor of mid-life and older Airbus and Boeing narrow-body commercial aircraft, has welcomed three new experienced professionals to its team. **Gerry Aubrey** has joined as Chief Operating Officer to lead WNG Capital's

**INDUSTRY PEOPLE**

lease transitions, aircraft purchase evaluations, and technical and asset management teams. He also participates on the Company's Investment and Executive Committees. **Jennifer Wallace** has been hired to serve as Corporate Counsel & Chief Compliance Officer at WNG Capital. She is responsible for investor-related legal and compliance functions and provides support for the Company's aircraft lease transactions. **Stéphane Depeyre** has joined WNG's experienced origination and marketing team as a Marketing Director mainly responsible for airline and lessor relationships in Europe, Africa, and the Middle East.



Don Milum

- **Don Milum** has joined Universal Avionics as Regional Sales Manager for Midwestern U.S. In his new position, he will support UA Authorized Dealers and Integrators in North Dakota, South Dakota, Minnesota, Iowa, Nebraska, Kansas, Missouri, Oklahoma, Arkansas, and Louisiana. Milum is based in Kansas City, Missouri U.S. and joins UA with over 20 years of experience in the aviation industry. He is a U.S. Army Veteran and prior to joining UA, Milum held various positions at Honeywell, Textron, StandardAero, and Spirit Aeronautics. He also serves on the Board of Directors for the Aircraft Electronics Association (AEA).



Domingo Ureña Raso

- Comlux has appointed **Domingo Ureña Raso** as Executive President of Comlux Completion, its center of excellence in VIP completions and services based in Indianapolis. "After ten years, Comlux Completion is moving one step ahead, becoming the new reference in cabin completion and services for Airbus Corporate Jets, Boeing Business Jets and Bombardier Business Aircraft. With his industrial knowledge and leading experience in aviation, Domingo has been selected by the Board of Directors of Comlux to lead Comlux Completion together with our new CEO **Daron Dryer**," says **Richard Gaona** Executive Chairman & CEO of Comlux.

*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*



AVIAA extends Customer Success Team with ( l to R) Matthew Suedkamp, Don Hitch and Lori Jones Photo: AVIAA

- AVIAA is growing its Customer Success team and enhancing its data infrastructure to support a widened membership of nearly 500 aircraft. The move follows hard on the heels of AVIAA's acquisition of Convolus and the establishment of an office in Munich, Germany, headed by Managing Director **Irena Deville**. AVIAA's Customer Success Team works closely with members to help them understand the process and analytics of the cost savings they are accruing. "We advise members as they move into new sectors, whether they are transferring from Part 91 to 135 operations; adding a new aircraft type or introducing new capability that may justify adding a new pillar of spend," explains AVIAA COO **Rick Tilgman**. The Customer Success team also advises members on when there are available slots in training and when best to plan maintenance visits, working on a day-to-day basis with its supply chain.

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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
B757-200PCF	Wahoo Aviation	RB211-535E4B	22210	1984	Now	Sale	Tim Corley	tcorley@wahoaviation.com	+1 (360)870-9172
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
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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# 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	-(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) CFM56-5B3/P	Now - Lease				
(1) CFM56-7B26/E	Now - Lease				
(2) 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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## 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@azures.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) GENx1B74/75 Propulsor	Now - 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
(2) PW123	Now - Sale/Lease/Exch.				
(1) PW127	Now - Sale/Lease/Exch.				
(2) PW150A	Now - Sale/Lease/Exch.				
(2) 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 Kryz	rkryz@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
<b>RB211 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) RB211-535	Now - Sale / Lease	Jet Midwest	Dave Williams	dave.williams@jetmidwest.com	+1-817-791-4930
<b>Trent Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) Trent 772B	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
<b>V2500 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) V2533-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
(1) V2527-A5	Soon - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(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@azures.com	1-954-249-7935
GTCP36-300A, GTCP85-98DHF APU	Now - Sale/Lease/Exch.				
A320 Nose Landing Gear	Now - Sale/Lease/Exch.				
CFM56-3 LPT MODULE, REPAIRED	Now - Sale/Lease/Exch.				
CFM56-3 ENGINE STAND	Now - Lease				
(1) GTCP36-150RJ, (2) GTCP36-100M,	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) RE220RJ, (1) PW126 RGB, (1) PW901A					
(1) APS1000-C12, (1) APS1000-C3					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(1) PW901A APU	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)141 389 3014
(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