

# Weekly Aviation Headline News

## WORLD NEWS

### American increases capacity on Prague to Philadelphia route

American Airlines will offer more seats on flights between Václav Havel Airport Prague and Philadelphia International Airport in 2019, resulting from increased demand and ticket sales tendencies. Next year, flights will be operated by Airbus A330-200 aircraft. American launched seasonal services between Prague and Philadelphia in May 2018, operated by Boeing 767-300 aircraft. In its first year, the carrier transported almost 60,000 passengers between the two cities.

### Avianca starts free inflight broadband trials.

Inmarsat, the global mobile satellite communications company announced that its GX Aviation inflight broadband service is now being offered by Latin American airline Avianca as part of a free trial period on selected aircraft. The trial period will last two months, providing passengers with the freedom to browse the internet, check social media and catch-up on emails, all from the comfort of their aircraft seat, with onboard connectivity comparable to mobile broadband services available on the ground.

### British Airways bids farewell to 767s

British Airways said farewell to one of the most iconic aircraft in its fleet, the Boeing 767. The airline's final two 767s have been retired to St Athan in Wales after the last commercial flight - Larnaca in Cyprus to Heathrow - took place on November 25. The final 767 commercial flight took place on aircraft reg G-BZHA. This aircraft first flew in 1998 and has flown an estimated 23 million miles.



Norwegian will fly to 11 US destinations from Gatwick next summer.

Photo: Norwegian

## Norwegian in Americas shake up

Airline introduces strategic route strategies

Norwegian announced new strategic updates to its summer 2019 UK route network to some destinations in the Americas.

From 31 March, Norwegian will serve Miami International Airport (MIA) and San Francisco International Airport (SFO) from London Gatwick, replacing its existing flights to Fort Lauderdale (FLL) and Oakland (OAK) airports.

The airline will operate daily flights to Miami, up from four-weekly services to Fort Lauderdale last summer and five-weekly services to San Francisco. The change in airport destination reflects customer demand and the increased cargo ca-

pabilities these airports offer Norwegian Cargo.

Norwegian's summer 2019 network will feature 13 long-haul routes including a brand-new route between the UK and Brazil.

**“We are delighted to meet the strong demand for our transatlantic flights.”**

*Matthew Wood, SVP Commercial at Norwegian*

From 31 March 2019, the airline will commence a new four-weekly service to Rio de Janeiro-Galeão International Airport (GIG) from London Gatwick Airport.

Norwegian will continue operating its increased services from London Gatwick to New York JFK

with three-daily flights and a daily service to Buenos Aires in summer 2019. The airline's newly launched twice-weekly Tampa route will also feature alongside nonstop flights to Austin, Boston, Chicago, Denver, Los Angeles, Orlando and Seattle.

Matthew Wood, SVP Commercial at Norwegian said: “We are delighted to meet the strong demand for our transatlantic flights

by announcing that Miami and San Francisco will join Rio de Janeiro as part of our summer 2019 flight schedule.

“By also increasing frequency on popular routes next summer, we will provide customers with more

*Continued on page 3*



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choice, smoother connections and exceptional value at affordable fares across Europe, the USA and South America.”

Stephen King, Head of Airline Relations; Gatwick Airport, said: “These new Miami and San Francisco routes will fly passengers straight into the heart of two of America’s most iconic

city destinations. In all, Norwegian will fly to 11 US destinations from Gatwick next summer, which gives passengers both tremendous choice and exceptional value as the airline offers some of the most competitive long-haul airfares around.”

Small frequency reductions will apply to two

routes that will free up Boeing 787 Dreamliner capacity, considering industry-wide mandatory inspections of a specific Rolls Royce engine type. The Los Angeles route will reduce to a daily service and the Chicago route will reduce to four flights per week, the airline stated.

**AIRCRAFT & ENGINE NEWS**

**Stratos continues growth, managed portfolio exceeds US\$1 billion**

Stratos, a leading aircraft investment specialist providing acquisition, re-marketing, advisory and capital raising services to airlines, lenders and investors in large commercial aircraft, has arranged the acquisition, financing and delivery of two Airbus wide-bodies leased to Asian flag carriers which has increased the size of its managed portfolio to 14 aircraft, worth over US\$1 billion. Stratos has rapidly expanded its portfolio since adding lease management to its capabilities in mid-2017. Providing full aircraft servicing to investors, Stratos has grown its platform from the former GPA offices in Shannon, Ireland. In addition, Stratos is actively raising and syndicating aircraft-backed debt, remarketing and sourcing aircraft for airlines and investors and has recently secured commitments to double its aircraft portfolio in the next six months. To date, Stratos has remarketed 27 aircraft worth US\$600 million, sourced 28 aircraft worth US\$1.3 billion and raised or traded US\$800 million in senior debt.

**SCAC and Adria Airways sign LOI for 15 SSJ 100 aircraft and MRO joint venture**

Sukhoi Civil Aircraft Company (SCAC) and Adria Airways have signed a Letter of Intent (LOI) for

**Airbus delivers first A330-900 to launch operator TAP Air Portugal**



TAP Air Portugal is the launch customer for Airbus’ A330-900 aircraft

Photo: Airbus

TAP Air Portugal has taken delivery of the world’s first new-generation wide-body A330neo and, as the launch airline, will be the first to benefit from the aircraft’s unbeatable operating economics, increased range and Airbus’ new Airspace cabin offering passengers the best-in-class comfort. The aircraft is powered by Rolls-Royce Trent 7000 engines. The Portuguese carrier will take delivery of a further 20 A330-900s in the coming years. TAP Air Portugal’s first A330-900 is leased from Avolon. It features 298 seats in a comfortable three-class layout with 34 full-flat business class, 96 economy plus and 168 economy class seats. The Airspace by Airbus cabin offers more personal space, larger overhead storage bins, advanced cabin lighting and the latest-generation in-flight entertainment system and connectivity. The aircraft will be deployed on routes from Portugal to the Americas and Africa.

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(1) **A330 - 200**    (1) **B747 - 400**



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**AIRCRAFT & ENGINE NEWS**

15 SSJ100 aircraft. Delivery will start at the beginning of 2019 under a long-term lease arrangement. In addition, both parties signed a Memorandum of Understanding upon establishing an SSJ100 Maintenance and Repair Organization (MRO) at Ljubljana Airport (Slovenia). JSC "Sukhoi Civil Aircraft Company" President Alexander Rubtsov stated: "We realize that the SSJ100 after-sales support at the entry to the European market should be organized profoundly and professionally. Together with Adria Airways we will create a joint maintenance and repair organization for the SSJ100 at the Ljubljana Airport. That service platform will secure the operational reliability of SSJ100 aircraft in Europe."

**Sundair orders CFM56-5B engines**

German-based leisure airline Sundair has purchased four CFM56-5B engines to power two new Airbus A320ceo aircraft, valued at US\$45 million at list price. Sundair began commercial operations in 2017 and currently operates a total of four A320ceo aircraft, including the two recently introduced CFM56-5B-powered aircraft. The company plans to expand its operations throughout Europe.

**CDB Aviation and Evelop Airlines sign lease agreement for one A330-300 aircraft**



Evelop Airlines signs lease agreement with CDB Aviation

Photo: AirTeamImages

CDB Aviation, a wholly owned Irish subsidiary of China Development Bank Financial Leasing (CDB Leasing), has entered into a lease agreement with Palma de Mallorca-based Evelop Airlines (Evelop), covering one Airbus A330-300 aircraft. Evelop is a Spanish airline with an operating base at Madrid Barajas Airport. The airline is a subsidiary of travel and tourism conglomerate, Avoris Travel Group, and operates scheduled and charter services in collaboration with fellow group carrier, ORBEST (Portugal), on behalf of tour operators.

**MRO & PRODUCTION NEWS**

**GA Telesis Component Solutions Group (CSG) acquires Airbus A330-200 aircraft for disassembly**

GA Telesis has acquired an Airbus A330-200 (MSN 255) for disassembly and support of its increase in demand for inventory. The disassembly is taking place in the United Kingdom, where key components will then be routed to its U.K.- and U.S.-based distribution facilities. The inventory will be used in support of the GA Telesis' iGEAR, SNAP and ACCESS programs as well as day-to-day sales requirements of the company's airline and MRO customers worldwide.

**Royal Air Maroc orders additional ATR 72-600**



Moroccan national flag-carrying airline, Royal Air Maroc, is adding an additional ATR 72-600 to its fleet. This will bring its total ATR 72-600 fleet to six aircraft. The aircraft will be delivered before the end of the year and will be configured in the same dual-class configuration as the airline's current ATR fleet. Royal Air Maroc was the launch customer for the ATR-600 series and took delivery of their first ATR 72-600 in 2011. In the subsequent seven years, ATR has delivered in total over 500 ATR-600 series aircraft.

delivery of their first ATR 72-600 in 2011. In the subsequent seven years, ATR has delivered in total over 500 ATR-600 series aircraft.

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**Turkish Airlines signs order for additional 777 jets**



Turkish Airlines orders three additional Boeing 777 Freighters

Photo: Boeing

Boeing and Turkish Airlines have signed an order for three 777 Freighters as the flag carrier of Turkey continues to soar on record financial results and double-digit passenger and cargo growth. The order adds more of the

long-range freighter to Turkish Airline's fleet as the airline pursues its goal of becoming the world's largest cargo carrier. Based on the 777-200LR (Longer Range), the 777 Freighter can fly 4,900 nautical miles (9,070 kilometers) with

a full payload of 112 tons (102 metric tons or 102,000 kg). The long range means fewer stops and associated landing fees, less congestion at transfer hubs, lower cargo handling costs and shorter delivery times. In line with the rapid growth, Turkish Airlines has steadily expanded its current and future fleet. Last January, the carrier announced the order of three 777 Freighters. Two months later, Turkish finalized an order for 25 787-9 Dreamliners and five options to prepare for growing demand at Istanbul's third airport, named "Istanbul Airport" by Turkish President Recep Tayyip Erdoğan during its official opening last month. Over the past few months, Turkish has begun taking delivery of new 737 MAX airplanes to refresh its single-aisle jets. In all, the airline's fleet of Boeing jetliners has grown to more than 160, with nearly 100 additional jets on order.

**China Eastern Airlines takes delivery of first Airbus A350-900**

China Eastern Airlines has taken delivery in Toulouse of its first A350-900, becoming the latest operator of this efficient twin-engine wide-body aircraft. The Shanghai-based carrier now operates an Airbus fleet of 356 aircraft, including 306 A320 Family aircraft and 50 A330 Family aircraft (as at end of October 2018). China Eastern is the largest Airbus operator in Asia and second largest in the world. China Eastern's A350-900 aircraft features a modern and comfortable four-class cabin layout of 288 seats: four first, 36 business, 32 premium economy and 216 economy. The airline will initially operate the new aircraft on its domestic routes, followed by flights to international destinations.



China Eastern takes delivery of first A350-900 aircraft

Photo: Airbus

**Airbus Helicopters expands presence in Japan**



Existing facility in Kobe, Japan

Photo: Airbus Helicopters

Airbus Helicopters will be adding a maintenance, repair and overhaul (MRO) complex adjacent to its existing facility in the Kobe Airport Facility in Japan. Construction will commence in June 2019, with the new facility expected to be operational in November 2019. The company's existing facility can accommodate up to 25 medium-sized helicopters simultaneously. It also houses its regional engineering hub and the country's first and only helicopter full-motion full-flight simulator, which has trained over 500 pilots and engineers in Japan and across the region. With this expansion, Airbus Helicopters will have the largest footprint in the aviation business sector of the Kobe Airport Facility, occupying a total space of 19,685 m². Its overall capacity will increase by 60% to handle about 40 medium-sized helicopters at one time. The new building will feature a state-of-the-art hangar, an administration office, and a purpose-built warehouse.

**MRO & PRODUCTION NEWS**

**N3 overhauls 1000<sup>th</sup> Rolls-Royce engine in Arnstadt, Germany**

A Rolls-Royce Trent 900 engine, powering an Airbus A380 of Asiana Airlines, is the 1000<sup>th</sup> aircraft engine that has undergone maintenance in the workshops of N3 Engine Overhaul Services (N3) in Arnstadt, Germany. The joint venture of Lufthansa Technik and Rolls-Royce has been in operation for 11 years and currently employs over 700 people. “This is another significant milestone of our German-British success story” says Nicole Fehr, Director and General Manager. “With this experience and over 40 international airline customers, we are now an inherent and mature partner within the global Trent MRO network”. The capacity of the modern plant with its own test facility is between 150 to 200 engines per year. Besides being the repair and overhaul experts for Trent 500, Trent 700, Trent 900 and most recently the Trent XWB, N3 also continues to grow its engine component repair capabilities. N3 is currently training over 50 young people to become engine specialists and logistics experts.

**Atitech adds Airbus A320neo aircraft to MRO capabilities**

Atitech, the Italian MRO has been granted approval to add the Airbus A320neo aircraft to its MRO capabilities. Following the EASA Part 145 certification, announced on Nov. 21, the new-generation aircraft type has been added to its base maintenance capability with its technicians now able to provide airframe support.

**Barfield reinforces partnership with TAME in new components maintenance support**

Barfield, an Air France KLM Engineering & Maintenance (AFI KLM E&M) subsidiary in the Americas and a major aviation industry player, has signed a multi-year components maintenance agreement with Ecuadorian based airline TAME. The flat rate agreement covers TAME’s Airbus A330 aircraft. The agreement also increases Barfield’s long-term partnership with TAME with the support of AFI KLM E&M. Indeed, for Franck Becker, AFI KLM E&M Regional Vice President Sales Americas, “The trusted relationship between TAME and Barfield as seen with this new agreement, increases and strengthens AFI KLM E&M position on the South American market.” The component repair contract is based on high quality engineering practices put in place to increase

**Vallair delivers first Boeing 737-400F to Chinese operator Longhao**



Chinese operator Longhao takes delivery of first Boeing 737-400F from Vallair

Photo: Vallair

Vallair, the aircraft trading, leasing and specialist MRO organization, has completed delivery of its first B737-400F to Guangdong Longhao Aviation Group of China. The aircraft (MSN27916) was previously operated by Japan Transocean Airlines and was converted at Gameco in Guangzhou under a Pemco STC (Supplemental Type Certificate). Guangdong Longhao Aviation Group operates five B737-300Fs using its own fleet, as well as leased aircraft. Its mission is to become southern China’s preferred neutral asset provider of freighter aircraft capacity. Longhao Airlines is a Chinese cargo carrier based at Guangzhou Airport. It was established by Guangdong Longhao Aviation Group, with a registered capital of CNY400 million (US\$61.6 million). The carrier operates freight services on domestic and international sectors, including Hong Kong, Macau and Taiwan. Longhao Airlines was approved by the Civil Aviation Administration in 2016, achieving operational qualification and undertaking its maiden voyage in nine months.

**BOC Aviation delivers Boeing 787-9 aircraft to Norwegian Air Shuttle**



Norwegian

Photo: AirTeamImages

BOC Aviation has delivered one new Boeing 787-9 Dreamliner aircraft to Norwegian Air Shuttle ASA (Norwegian). The aircraft will be powered by Roll Royce Trent 1000 TEN engines. “We are delighted to welcome Norwegian as a new Boeing 787-9 Dreamliner customer of BOC Aviation and to support its aims of broadening its long-haul, low-cost footprint to new markets,” said Robert Martin, Managing Director and Chief Executive Officer. “We are equally excited that Norwegian has chosen the Boeing 787-9 Dreamliner to achieve its goals. This new-technology aircraft delivers excellent mission capabilities and operational efficiency. BOC Aviation currently has 14 of these aircraft in its owned or committed fleet.”

**MRO & PRODUCTION NEWS**

the flying life of the components. TAME is an airline founded in 1962 and headquartered in Quinto, Pichincha Province with the main hub in Mariscal Sucre International Airport. The airline was formed by the Air Force of Ecuador. In 2011, it became a commercial entity and now provides domestic, international and charter flights. TAME has a fleet of ten aircraft including Airbus A319s, A320s and A330s.

**MTU Maintenance signs CFM56 engine MRO contract with Serene Air**

MTU Maintenance and new customer Serene Air have signed a long-term contract. The agreement covers the maintenance, repair and overhaul of the Pakistani operator's CFM56-7 engines, powering its Boeing 737-800 fleet. Further, the agreement includes on-site support and spare engine leasing. The contract also includes the option to expand the scope in the future to include additional engines from Serene Air's fleet. Serene Air is a privately-owned start-up that has been operating out of Islamabad since 2017 and MTU Maintenance's first customer in Pakistan. The airline operates domestic flights between the cities of Islamabad, Karachi, Lahore, Peshawar, Faisalabad and Quetta. The airline is planning to expand the network to include international destinations in due course. MTU Maintenance is an independent service provider for the CFM56-3/-5B/-7B variants and is seeing strong demand for its -7B services. The MRO provider expects to see well over 100 shop visits on the CFM56-7 in 2019.

**China Eastern signs A350 components support deal with AFI KLM E&M**

China Eastern has signed a new contract with AFI KLM E&M, covering its fleet of Airbus A350-900s, ultimately set to number 20 aircraft. The bespoke A350 contract covers repairs, access to a regional spares pool, and the provision of a Main Base Kit (MBK). The agreement also includes complementary training services and engineering development assistance. Based in Shanghai, China Eastern Air Holding Company (CEAH) is one of China's three largest state-owned air transport groups. As CEAH's principal company, China Eastern Airlines was the first Chinese airline to be listed on the New York, Hong Kong and Shanghai stock exchanges in 1997. It currently operates a fleet of about 600 aircraft averaging less than 5.5 years old, making it one of the youngest fleets of the world's major airlines.

**TAM signs comprehensive contract with Eastern Airways**



TAM signs contract for a series of A-checks with Eastern Airways

Photo: TAM/Anders Annerfalk

Täby Air Maintenance, TAM, has signed a contract for a series of A-checks on U.K.-based Eastern Airways' fleet of Saab 2000s. The agreement covers all seven aircraft and will be executed during the spring of 2019, with the final aircraft returned to service with Eastern Airways in mid-May. "We are very pleased and grateful to signing this deal with long-time customer Eastern Airways, again confirming our position as the leading provider of maintenance and support for the large Saab 340/Saab 2000-fleet," says Pär Gulle, TAM Managing Director. "Thanks to a very close collaboration with the technical department of Eastern Airways, we have been able to schedule each and every A-check very closely to the rotating of the individual aircraft, in order to minimize Eastern's down-time. With a current high demand for our services, with staff on a two-shift scheme, TAM is proud to still be in a good position to always being able to fulfil the need from current as well as new customers," Pär Gulle summarizes.

**Arkia signs comprehensive support contract with Lufthansa Technik**



Arkia and LHT signs support contract

Photo: LHT

Arkia Israeli Airlines has signed a comprehensive technical services contract with Lufthansa Technik. Within the framework of a ten-year agreement, Lufthansa Technik will support the airline with Total Technical Support (TTS®) including Technical Operations Management (TOM) for Arkia's three Airbus A321LRs. Integrating all MRO activities into one service package, Lufthansa Technik will provide engineering, line maintenance and component support including consumables and expendables, as well as wheels-and-brakes services. The first aircraft delivered from the OEM to Arkia will be the first aircraft of the A321neo type featuring the long-range configuration. The on-site services in Tel Aviv will be performed by Lufthansa Technik Maintenance International (LTMi). Over the next three years, experienced mechanics and the station manager will provide TOM and line maintenance services on site at Arkia's hub in Tel Aviv, preparing the carrier's technicians to take over line maintenance after that period.

**FINANCIAL NEWS**

**Loftleidir Icelandic submits binding offer for majority shares of Cabo Verde Airlines**

Loftleidir Icelandic, a subsidiary of Icelandair Group will, together with Icelandic investors, submit a binding offer for a 51% of the shares in Cabo Verde Airlines on Cape Verde. Authorities in Cape Verde and Loftleidir Icelandic have been cooperating for some time. In August 2017, Loftleidir Icelandic signed a management agreement with the Cape Verde Government on restructuring Cabo Verde Airlines. The agreement also aimed to strengthen the international airport in Cape Verde, to develop the islands as a promising tourist destination, and to build an international hub for connecting flights. Coinciding with the agreement, it was announced that the company was due to be privatized. Cabo Verde Airlines already has operating licenses to fly scheduled flights to Europe and the United States. The purchase price is confidential. However, the acquisition would be partly paid for by the work already completed by Loftleidir Icelandic's employees. The acquisition is made through a new company, Loftleidir Cabo Verde. Loftleidir Icelandic holds a 70% stake in the company, and other investors 30%. Loftleidir Icelandic's acquisition of Cabo Verde Airlines does not have any significant effect on Icelandair Group's financial statements since Cabo Verde Airlines will not be reflected in the group's consolidated financial statements. The share will be classified as an associated company.

**DAE increases bond repurchase program by US\$300 million**

Dubai Aerospace Enterprise (DAE) has released that its Board of Directors and Shareholders has authorized an additional US\$300 million

**Icelandair reverses plans to acquire WOW Air**



WOW Air

Photo: AirTeamImages

The future for Iceland's low-cost carrier WOW Air looks bleak with Icelandair Group scrapping plans to buy out the struggling airline. Icelandair confirmed that conditions for the share purchase were "unlikely" to be filled by the company's shareholder meeting November 30, 2018. WOW Air first took to the air in 2012 as a no-frills budget airline offering low fares, but charged for carry-on luggage, food and drinks. However, escalating financial problems began to take their toll after a bond issuance in September, the Icelandic carrier struggling to deal with rising fuel costs. Subsequent to this, aircraft lessors and the company's creditors "demanded stricter payment terms than before, putting further pressure on the company's cash flow," WOW air said in a statement on November 27. The airline expanded rapidly, helping to fuel a tourism boom in Iceland, but has been beset by other problems including accusations of poor customer service. "We have to do better," CEO Skuli Mogensen told CNBC in an interview in June in Reykjavik. "It's obviously in our interest to fix it." He made it clear that canceled flights, delays and other problems cost the airline dearly in terms of passenger compensation. While the airline reduced its fleet of aircraft by four earlier this week, there are no clear indications as to what WOW Air will do next.

for bond repurchases to be conducted through open market transactions. To date, DAE has repurchased US\$295 million of principal amount of its publicly traded bonds under the previous authorization of US\$300 million. DAE Chief Executive Office Firoz Tarapore said: "The current

trading levels of our bonds are not consistent with our current credit ratings, strong financial performance or our projected ratings trajectory. We continue to generate cash and capital at a rate that allows us the flexibility to remove inefficient components of our liability structure and



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improve our gross leverage ratios.” DAE currently has US\$3.0 billion of publicly traded bonds outstanding in the U.S. capital markets.

**AirAsia Group posts third-quarter 2018 revenue of RM2.61 billion**

AirAsia Group has posted third-quarter 2018 revenue of RM2.61 billion, up 7% year-on-year from RM2.45 billion for the same quarter in 2017. Revenue growth was supported by a healthy load factor of 82% and 9% increase in passengers carried, recording 10.80 million pax as compared to the same quarter last year. Net operating profit achieved RM124.9 million despite much higher overall costs in fuel. Operating cash flow for the quarter under review was at RM1.63 billion, while net cash flow was reported at RM2.57 billion resulting from the proceeds of the aircraft disposal transaction. (US\$1.00 = RM4.18 at time of publication.)

**Leonardo signs Term Loan Facility of €500 million**

Leonardo has signed a new Term Loan Facility with a pool of domestic and international banks for the purpose of refinancing existing debt. The credit line amounts to €500 million and has a maturity of 5 years. It’s terms include the payment of 110 basis points above 6 months Euribor and the bullet redemption of a total amount at maturity. This credit line is in accordance with the terms and conditions of the Revolving Credit Facility (renegotiated on 2018 February), and is under English Law. Alessandro Profumo, CEO of Leonardo, commented: “The signing of this Term Loan Facility is a sign of us of implementing our disciplined financial strategy. It means we can also reduce further the group’s financial charges, in line with Industrial Plan targets. The current market conditions have enabled us to take advantage of this form of refinancing. We’ve achieved a successful refinancing, signed by 13 banks, and oversubscribed for more than double the requested amount. It confirms the interest of the market, and allows us to better diversify our funding sources”.

**MILITARY AND DEFENCE**

**Serbia receives first out of nine H145Ms**



Serbian Air Force receives first of nine H145M helicopters

Photo: Airbus Helicopters, Christian Keller

The Serbian Minister of Defence, Aleksandar Vulin, visited the Airbus Helicopters Donauwörth site to accept the first H145M for the Serbian Air Force. In December, two H145Ms will be delivered to the Serbian Ministry of the Interior. Altogether, Serbia will receive nine H145Ms, earmarked for the Air Force and for the Ministry of the Interior. Four of the Air Force’s aircraft will be equipped with the HForce weapon management system. The contract between Airbus Helicopters and Serbia foresees transfer of technology, spare parts, tools and documentation for the helicopters’ maintenance and repair. Airbus Helicopters will also certify Serbia’s Moma Stanojlovic aeronautical plant as a center for the maintenance of Gazelle helicopters and will include it in its overhaul network. Airbus will also support Serbian manufacturing plants and research and development institutions to obtain relevant qualifications and certificates to become a supplier.

**Safran shareholders meeting approves merger of Zodiac Aerospace into Safran with 99.88% voting in favor**

At a meeting on November 27, Safran’s shareholders were invited to mainly consider the plan to merge Zodiac Aerospace into Safran . All the resolutions submitted to the shareholders’ vote were approved. Following presentations of the merger plan by Safran and notably the reports

of the merger appraisers concluding that the exchange ratio is fair, the shareholders approved the merger of Zodiac Aerospace into Safran with 99.88% voting in favor. With the approval at the meetings on November 27, of Zodiac Aerospace and Safran shareholders, respectively, all the conditions precedent weresatisfied. Thus, the merger will complete on December 1, 2018. Shareholders also approved a new authorization



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**FINANCIAL NEWS**

allowing Safran to repurchase its own shares with a price not to exceed €140.00 (US\$160.00) per share.

**Piaggio Aerospace turns to Italian government with request to be put into receivership**

Owing to “the state of insolvency of the company,” Italy’s Piaggio Aerospace has turned to the Italian government with a request to be put into receivership. This comes despite a current firm order for eight P.1HH unmanned aircraft (a variant of the P-180 business aircraft) from the United Arab Emirates with deliveries expected to commence by year end. The recent change in government in Italy in March, which saw the country’s incumbent center-left government defeated before a populist coalition, has resulted in a catastrophic delay in confirmation of an order from the Italian Ministry of Defence for 20 P2.HH variants, valued at US\$874 million, which have greater endurance. Prior to March’s election, the program received launch funding in this year’s defense budget with the head of the commission, Francesco Saverio Garofani, confirming that the order would proceed without a commission vote. However, since then the program has stalled, with the new parliament failing to vote on the order as it is under pressure by the coalition government to make cuts in defense spending. Italian officials are also worried that the P2.HH will overlap with the Euromale drone that European partners, including Italy, are currently developing. Italian union FIM-CISL blamed Piaggio Aerospace’s problems on the government’s delay in firming up on the drone order, asking the government to find new investors to save the firm, while also pushing the drone order through. The Democratic Party, which was voted out of government in March, accused the new government of “being unable to take a decision in all these months on the €766 million (US\$874 million) acquisition of the P2.HH.” Piaggio Aerospace is owned by Mubadala Development Company, an Abu Dhabi-based strategic investment and development company.

**OTHER NEWS**

**Honeywell** is making flight operations more efficient by offering an online portal with a new look that helps operators perform multiple tasks and manage flights from start to finish — all from one convenient interface. Honeywell’s new GoDirect® Portal provides flight, tracking and cabin connectivity service customers with a single login. This links previously separate portals to



ST Engineering and EDB sign MOU for strategic growth partnership

Photo: ST Engineering

**ST Engineering** and the **Singapore Economic Development Board (EDB)** have signed a Memorandum of Understanding (MOU) for a strategic growth partnership. The partnership aims to build new engines of growth by creating globally competitive industry ecosystems in Singapore. EDB intends to nurture and grow large Singapore enterprises that will drive economic development outcomes for Singapore as it succeeds in global markets. ST Engineering aspires to become a global technology, defense and engineering powerhouse — including through partnerships with companies, agencies and research institutions. ST Engineering and EDB will work closely to identify and develop growth strategies for targeted industries, such as robotics, smart mobility and health tech, which could be globally competitive business areas for Singapore and ST Engineering. ST Engineering will lead or participate in consortia/alliances with MNCs, local large enterprises, SMEs and start-ups to offer end-to-end solutions. This includes collaborating with external technology partners to innovate and commercialize new products, services and solutions internationally. The partnership will also catalyze engagements with other key stakeholders such as regulators and lead demand users to build a strong track record for Singaporean companies to compete globally. The partnership will further deepen ST Engineering’s capabilities in technology and innovation, including growing strategic technology centers such as in data analytics and cyber security. It will also further strengthen ST Engineering’s global leadership and workforce in tandem with its global ambitions. The partnership will expand EDB’s efforts to develop a cluster of global-ready companies in Singapore, with a world-class workforce that is future ready and equipped with both breadth and depth in technology and engineering capabilities.

help with flight tracking, planning, and managing cabin services and connectivity usage. Now, multiple users can view and update aircraft and flight information in real time, via a mobile-optimized website. “There are a lot of people and processes involved in making sure every flight is safe, on time and comfortable,” said John Peterson, Senior Director, Connectivity Services, **Honeywell Aerospace**. “Like a symphony orchestra with one person out of key, one problem in the flight planning process can have a negative domino effect and cause delays. With the GoDirect® Portal, pilots, operators and maintenance crews have a central location for all their flight information. The result is a flight that’s perfectly in key.”

**United Airlines** will begin its 15th daily nonstop flight between the United States and Germany from its hub at Denver International Airport. The

airline announced it will begin year-round service between Denver and Frankfurt, Germany, beginning May 2, 2019, subject to government approval. United currently operates a daily non-stop service between Frankfurt and its hubs in Chicago, Houston, New York/Newark, San Francisco and Washington Dulles.

Based out of Melbourne, Florida and Kansas City, Missouri, **STS Mod Center** and **STS AeroMod** have perfected the installation process of high-speed connectivity solutions across all commercial aircraft types. “Each connectivity package we do, regardless of aircraft type, takes about three days to complete. That’s fast,” says Daniel Burgess, Senior Vice President of STS AeroMod. “And given our team’s ability to deploy mobile, rapid-response teams across all corners of the world, we are now completing about 70 aircraft

**OTHER NEWS**

installations per month.” Low TAT’s and rapid product rollout are what it is all about for STS, and customers all over the world are starting to take notice. In addition to servicing both top-tier and low-cost carriers across North America and Europe, STS Mod Center and STS AeroMod are also working with clients on the ground in Asia and the Middle East.

**Finnair** will add a new daily frequency year-round on both its routes to Moscow and St. Petersburg in Russia as of March 31, 2019. The flights will be flown with an Embraer 190 aircraft. The new additions will bring the total amount of weekly flights up to 27 on the St. Petersburg route and up to 28 on the Moscow route.

With the successful acquisition of **Rockwell Collins, United Technologies Corp. (United Technologies)** has announced its intention to divide up its commercial businesses into three major companies – United Technologies, **Carrier** and **Otis**. Carrier will produce HVAC, refrigeration, building automation, fire safety and security products, while Otis will manufacture elevators, escalators and moving walkways. United Technologies will comprise Collins Aerospace Systems and Pratt & Whitney. Collins Aerospace Systems is a new company created through the acquisition of Rockwell Collins which, according to United Technologies “is one of the largest [acquisitions] in aerospace history. It brings together Rockwell Collins and UTC Aerospace Systems to create Collins Aerospace Systems, an industry leader with a global presence of 70,000 employees in 300 sites and US\$23 billion in annual sales on a 2017 pro forma basis.” According to United Technologies Chairman and Chief Executive Officer Gregory Hayes, “Collins Aerospace brings together two great companies with unmatched expertise in developing electrical, mechanical and software solutions. We will have a laser focus on developing innovative solutions for customers and generating strong returns for shareowners.” United Technologies will be the preeminent systems supplier to the high-growth commercial aerospace and defense industry, with a unique portfolio of technologies and scale to invest through economic cycles. Combined sales of the two businesses totaled US\$39.0 billion in 2017 on a pro forma basis. Collins Aerospace Systems will supply electrical, mechanical and software solutions across all major segments of the aerospace industry and serves commercial and military customers. Pratt & Whitney is a global leader in aircraft propulsion with a growing number of engine programs including the revolutionary Geared Turbofan™ commercial engine and the F135 military engine for the F-35 Joint Strike Fighter program.



Qatar Airways

Photo: AirTeamImages

Only weeks after the U.S. renewed sanctions on Iran, **Qatar Airways** has announced it is increasing the number of flights to the country, despite Donald Trump's threats to bar companies that continue to do business there. Qatar Airways will add two weekly flights to its existing Doha-Tehran route and three weekly flights on its Shiraz service in January. It will also launch two weekly flights to Isfahan in February. According to Qatar Airways Chief Executive Akbar al-Baker: “These latest launches are further evidence of Qatar Airways’ commitment to Iran, as well as the expansion of our network in this thriving market ...” According to Reuters, European carriers **Air France** and **British Airways** stopped flying to Iran earlier this year, Abu Dhabi’s **Ethad Airways** has stopped flying to Iran, and Dubai’s **Emirates** and **flydubai** have consolidated certain routes as part of a partnership led by their shared state owner. Egypt and Bahrain have also cut ties with Qatar. Qatar Airways flies to a number of major U.S. cities from the Gulf, including Chicago, Houston, Las Vegas and New York.

**INDUSTRY PEOPLE**



Helga Bollmann Leknes

- **Helga Bollmann Leknes** has been appointed Chief Commercial Officer (CCO) of Norwegian Air Shuttle. “I am very pleased to announce that Helga Bollmann Leknes has been appointed Chief Commercial Officer of Norwegian Air Shuttle ASA. She will remain in her current role as Managing Director of Norwegian Air Resources (NAR), which she has led since March 2018,” says Norwegian’s CEO **Bjørn Kjos**. Bollmann Leknes joined Norwegian in October 2017 as Chief HR Officer and has also been responsible for commercial management since September 2018. “Helga has done a great job within a short amount of time. From now on, she will be responsible for the whole commercial value chain, a unique position for managing the synergies between vital parts of our operations,” Kjos added.



André-Hubert Roussel

- Joint shareholders Airbus SE and Safran have proposed to the Board of Directors of ArianeGroup that **André-Hubert Roussel**, currently Head of Operations at Airbus Defence and Space, should succeed **Alain Charneau** as Chief Executive Officer (CEO) of ArianeGroup, effective January 1, 2019. Alain Charneau, an accomplished executive in the aerospace industry, will retire in 2019 after a transition phase from January 1 to March 31, 2019, during which he will serve as Special Advisor to the new CEO of ArianeGroup.

- Air-eon has released that **Peter Cabooter** has joined the executive team, fulfilling a newly created position, Vice President of Customer Affairs. In this role, Cabooter will lead Air-eon’s program to support existing customers around the world and developing new relationships with Air Navigation Service Provid-

INDUSTRY PEOPLE



Peter Cabooter

ers (ANSPs) currently not subscribed to the AireonSM service. In addition to Cabooter's new executive role, **Cyriel Kronenburg**, Aireon's Vice President of Aviation Services, will now take on the responsibilities to

lead Aireon's regulatory, marketing, product development, commercial data services and partner development activities.

- Spirit AeroSystems has reported that **Sanjay Kapoor**, Executive Vice President and Chief Financial Officer, plans to retire in the first quarter of 2019. Kapoor has been in this role since he joined the company in August 2013. Kapoor will continue in his role as the chief financial officer and assist in the transition once a successor is named. During his time as the chief executive officer, Kapoor worked to enhance Spirit's operating performance and the company's competitiveness. Prior to Spirit, Kapoor held executive leadership roles at Raytheon and United Technologies Corporation.

- The International Air Transport Association (IATA) has announced the retirement of **Baojian Zhang**, IATA's Regional Vice President (RVP) for North Asia, effective December 14, 2018. Zhang joined IATA from the Civil Aviation Administration of China (CAAC) in 1994 and founded IATA's operations in China. Under Zhang's strong leadership, IATA membership in North Asia has grown to 36 airlines with China having the largest concentration of IATA member airlines of any country. Over the last 24 years IATA's China team grew from three to exceed 130 today, and IATA's BSP in China is the largest in the world, recording nearly 190 million transactions in 2017. Until a permanent successor is named, **Conrad Clifford**, IATA's RVP for Asia Pacific, will also lead IATA's efforts in North Asia.

- **Jeff Yeager** has been promoted to Program Manager, Landing Gear/Accessory Program at West Star's GJT facility. Yeager was hired in 2011 and has been instrumental in helping to develop West Star's Grand Junction Landing Gear Program, which includes service for Challenger, Hawker/Textron and Phenom, while also expanding our

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Learjet and King Air capabilities. In addition to be a Certified Trainer on the Phenom 100/300, he participated in the planning, development and execution of the readiness plan for the Phenom Landing Gear contract. Yeager will report to **Dave Krogman**, General Manager, West Star Aviation – Grand Junction.

- Lease Corporation International (LCI), the aviation division of the Libra Group, has further strengthened its operation with the appointments of **John Gumulak** as Technical Director and **Eric Sherlock** as Legal Counsel. John Gumulak joins LCI from Westpac Rescue Helicopter Service (WHRS) in Australia, where he oversaw the continued airworthiness of Westpac's fleet of AW139 helicopters and was the chief point of liaison for Original Equipment Manufacturers (OEMs), including Leonardo Helicopters, on all technical matters. As Technical Director based at LCI's Singapore office, Gumulak will augment the existing technical team to support LCI and its customers in the region. Eric Sherlock joins LCI from Elix Aviation Capital, where he managed the legal team on behalf of the turboprop lessor. Previously, he worked as a capital markets and corporate finance associate at Arthur Cox and Clifford Chance. Sherlock joins a highly experienced legal team at LCI's HQ in Dublin, and will work across all aspects of aircraft leasing, purchasing and financing.



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# THE AIRCRAFT AND ENGINE MARKETPLACE

## Commercial Jet Aircraft

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

## Regional Jet / Turboprop Aircraft

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

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# THE AIRCRAFT AND ENGINE MARKETPLACE

## Commerical Engines

Multiple Types	Sale / Lease	Company	Contact	Email	Phone
Multiple Engines GE / CFM / RB211	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
<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>
CF34-8E5	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	Oct 18 - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
<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) CFM56-7B27/E	Now - Lease				
(1) CFM56-7B27	Now - Lease				
(1) CFM56-7B26	Soon - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) CFM56-3B1	Soon - Sale/Lease/Exch.		David Desaulniers	leasing@willislease.com	+1 415 516 4837



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## 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@wernerero.com	+1-703-402-7430
(1) CFM56-7B	Now - Sale/Lease/Exch.				
(1) CFM56-5B3/P	Dec 18 - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CFM56-7B26	Jan 19 - Sale / Lease				
<b>CT7 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
CT7-9B	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
<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
(2) JT8D-219	Now - Sale	LCH Trading	Carlos Miranda	cmiranda@lchaerospace.com	+1 954-644-9617
(1) JT8D-217C	Now - Sale				
<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				
PW127	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
(1) PW124B	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(2) PW127E/F			Remi Kryns	rkryns@logix.aero	+33.6.2079.1039
(4) PW127M					
(1) PW120 / PW121	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610

# THE AIRCRAFT AND ENGINE MARKETPLACE

## Commerical Engines (cont.)

(1) PW4056-3	Now - Sale/Lease	Jet Midwest	Kevin Lee	engines@jetmidwest.com	+1-310-652-0296
<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>
(2) Trent 892	Now - Sale / Lease	TrueAero, LLC.	Matt Parker	mparker@trueaero.com	+1 469-607-6110
(4) Trent 556	Now - Sale / Lease				
(1) Trent 772B	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
<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) V2533-A5S2 Zero-TSN engine with RGI	Now - Lease	TrueAero, LLC.	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.				
Trent5562 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
Trent892 Inlet Cowls and Fan Cowls	Now - Sale/Lease/Exch.				
V2500-A5 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
CF6-80E Trust Reversers, Inlets & Fan Cowls	Now - Sale/Lease/Exch.				
(1) GTCP331-500B	Now - Sale/Lease/Exch.				
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azures.com	1-954-249-7935
GTCP36-300A, GTCP85-98DHF APU	Now - Sale/Lease/Exch.				
A320 Nose Landing Gear	Now - Sale/Lease/Exch.				
CFM56-3 LPT MODULE, REPAIRED	Now - Sale/Lease/Exch.				
CFM56-3 ENGINE STAND	Now - Lease				
(1) GTCP36-150RJ, (2) GTCP36-100M,	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) RE220RJ, (1) PW126 RGB, (1) PW901A					
(1) APS1000-C12, (1) APS1000-C3					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
(1) PW901A APU	Now - Sale	Royal Aero	Gary MacLeod	gary@royalaero.com	+44 (0)141 389 3014
(multiple) APS2300, (1) GTCP331-350C	Now - Sale / Lease	AirFin	Nick Filce	Nick.Filce@aerfin.com	+44 7770 618 791
(1) GTCP36-300A, (1) GTCP131-9A					
GTCP131-9A, GTCP131-9B, GTCP331-350C	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
GTCP331-500B, GTCP331-200/250,			Rich Lewsley	rlewsley@logix.aero	+44.79.0021.8657
APS3200, APS2300, GTCP85-129H					
APU GTCP 331-500	Soon - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
Engine stands now available	Now - Lease				
ENGINE STANDS: Trent 800, PW4000 112"/V2500 / CFM56/ PW2000 & Bootstrap kits		National Aero Stands		support@stands.aero	+ 1 305-558-8973
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
767-300 Winglets, LH-RH P/N 767-0010-5, -6, -7 & -8, SV- Now Sale		Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368