

# Weekly Aviation Headline News

## WORLD NEWS

### IAG Cargo releases Q3 financials

IAG Cargo has today announced its Q3 2018 results, reporting commercial revenues of €290m over the period from July 1 to September 30, 2018, an increase of 8.1 per cent on 2017 at constant exchange. Overall yield for the quarter was up 9.3 per cent at constant exchange. Sold tonnes were down 0.5 per cent and CTK volumes were down 1.0 per cent whilst capacity grew by 3.9 per cent.

### Air Canada to open new facility at Edmonton

Air Canada broke ground today for a new facility that will house its ground support equipment service and cargo teams at Edmonton International Airport (YEG), allowing the airline to further enhance its operational capabilities and reinforcing the airline's commitment to Alberta's capital city. The 50,000 square foot (4,645 square metres) building will be constructed by Terracap Group. Air Canada has signed a 15-year lease for the multi-tenant facility, representing an investment of \$19 million by the airline over the term of the lease.

### Cork Airport welcomes Aer Lingus' new routes

Cork Airport will see the addition of Nice and Dubrovnik to Aer Lingus' summer 2019 schedule. The two new routes out of Cork were announced on October 26 by Aer Lingus, with flights to Nice France commencing on May 1 on Wednesdays and Sundays while the new service to Dubrovnik, Croatia will take off from May 4 on Tuesdays and Saturdays. The announcement comes ahead of Aer Lingus' inaugural flight from Cork Airport to Lisbon this evening, which will operate year-round on Mondays and Friday.



The cathay breach follows a similar attack on BA.

Photo: Cathay Pacific

## Cathay Pacific data breach

Fourth airline this year to be affected

Cathay Pacific announced that as part of its ongoing IT security processes, it had discovered unauthorised access to some of its information system containing passenger data of up to 9.4 million people. Upon discovery, the company took immediate action to investigate and contain the event. The company has no evidence that any personal information has been misused.

Cathay Pacific Chief Executive Officer Rupert Hogg said, "We are very sorry for any concern this data security event may cause our passengers. We acted immediately to contain the event, commence a thorough investigation with the assistance of a leading cybersecurity firm, and to

further strengthen our IT security measures.

Sam Curry, Chief Security Officer at Cybereason: "The Cathay Pacific breach is a clear indication that the airline industry has a target on its

**"The Cathay Pacific breach is a clear indication that the airline industry has a target on its back."**

*Sam Curry, Chief Security Officer at Cybereason*

back, given that British Airways and Air Canada have also been in the news in recent months for material breaches of customer data and personal information. In the bigger picture, it would be premature to speculate on the overall damage

to Cathay's customers and the airline itself. Passengers that travel with Cathay should assume their personal information has already been stolen many times over and it is unfortunately the reality facing billions of people in the connected world we live in. Collectively, black hat hackers are patient and their persistence means they are likely to be successful 100 percent of the time when they attempt to breach a system.

This stacks the cards against the defenders, meaning that Cathay and the airline industry as a whole needs to rethink their strategy around network detection and start taking the fight to the hacker by go-

*Continued on page 3*

**Reliance Aircraft**  
INTERNATIONAL  
www.relianceaircraft.com  
512-439-6988  
thix@relianceaircraft.com  
End of Life Asset Solutions

### Commercial Airframe

- ✈ 737, 747, 757, 767, 777
- ✈ A300, A310, A320, A340
- ✈ CFM56 QEC/LRUs -5B/-7B
- ✈ Nose to Tail Support

### Military/Gov't

- ✈ C130, L100, P-3
- ✈ T56 Engines
- ✈ Legacy Support
- ✈ Repair Mgmt

# WHAT SETS US APART

CURRENT AIRCRAFT IN DISASSEMBLY:

(1) **A319 - 200**    (2) **B777 - 200**  
(1) **A330 - 200**    (1) **B747 - 400**



GA Telesis boasts the world's largest aircraft Used Serviceable Material inventory pool. With customers located across six continents, our global facilities allow for timely communication, delivery, maintenance and support services.



**GA**  
**TELESIS**<sup>®</sup>

[www.gatelesis.com](http://www.gatelesis.com)

...continued from page 1

ing on the offensive with more advanced technologies and services that will stop threats before they can materialise.”

Ryan Wilk, VP at NuData Security, a Mastercard company: “Data in the wrong hands – especially payment card information – can have

a huge impact on customers, far beyond the unauthorised use of their cards. Payment card information, combined with other user data from other breaches and social media, builds a complete profile. In the hands of fraudsters and criminal organisations, these valuable identity sets are usually sold to other cyber-

criminals and used for myriad criminal activities, both on the internet and in the physical world. Using these identities, and sometimes fake identities build from valid data, they’ll take over accounts, apply for loans, and much more. Every hack has a snowball effect that far outlasts the initial breach.”

**AIRCRAFT & ENGINE NEWS**

**Manta Air to take delivery of two ATR 72-600s**

Manta Air, the new domestic airline in the Republic of Maldives, has secured its first two ATR 72-600’s through Nordic Aviation Capital (NAC). The first will be introduced in November 2018, with the second planned to join Manta Air’s fleet before the end of the year. The aircraft will ensure improved connectivity between the beautiful Maldivian atolls. They will be initially operating from the main Velana International Airport to three airports: Kudahuvadho in Dhaalu atoll, Dharavandhoo in Baa atoll and Thimarafushi in Thaa atoll. The eco-efficient ATR 72-600s will operate on domestic routes from runways as short as 1200 meters, thanks to their unmatched take-off and landing performance. The aircraft will feature a very comfortable and spacious cabin with an increased legroom seat, offering a new travel experience across the Maldives.

**Embraer delivers 15 Commercial and 24 Executive Jets in third quarter 2018**

During the third quarter of 2018, Embraer has delivered 15 jets to the commercial aviation market and 24 business jets, comprising 17 light jets and seven large jets. On September 30, Embraer’s firm order backlog totaled US\$13.6 billion. Regarding the commercial aviation market, Embraer has forecast in its Market Outlook a demand for 10,550 new aircraft with up to 150 seats worldwide over the next 20 years. The in-

**Aegean Airlines selects Pratt & Whitney GTF engines to power up to 62 Airbus A320neo Family aircraft**



Pratt & Whitney GTF engines to power Aegean Air’s new A320neo Family aircraft

Photo: Airbus

Aegean Airlines has selected the Pratt & Whitney GTF™ engine to power up to 62 Airbus A320neo Family aircraft: 30 firm, 12 option, and up to 20 leased aircraft. Pratt & Whitney will also provide the airline with engine maintenance through a long-term EngineWise® Comprehensive service agreement. Since entering into service in early 2016, the GTF engine has demonstrated its promised ability to reduce fuel burn by 16%, to reduce NOx emissions by 50% to the regulatory standard and to lower the noise footprint by 75%. Pratt & Whitney already powers the airline’s fleet of 49 A320ceo Family aircraft with V2500® engines. The Athens-based airline’s subsidiary company, Olympic Air, also currently operates 12 PW100-powered regional turboprop aircraft. The V2500 engine is offered through IAE International Aero Engines AG, a multinational aero engine consortium whose shareholders comprise Pratt & Whitney, Pratt & Whitney Aero Engines International GmbH, Japanese Aero Engines Corporation and MTU Aero Engines GmbH. EngineWise® includes engine fleet data analytics and real-time intelligence to predict and prevent engine disruptions before they occur, significant investments in new technology and resources to improve responsiveness and flexibility, and a growing portfolio of service offerings.



right this way >

**BOMBARDIER**



## WILLIS LEASE ACQUIRES A NEW GENERATION OF EXCELLENCE

# LEAP-1A, LEAP-1B and GEnx-1B engines now available

- Available for short- or long-term lease, including removals covered by manufacturer warranty or commercial support
- Willis Lease is the only company with the platform to ensure that your leased engines arrive on time and in the condition required to keep your fleet in revenue service



Engine & Aircraft Leasing  
Lease Management  
Engine & Aircraft Trading & Marketing  
ConstantThrust™



Consultancy & Advisory  
Technical Services  
Records Management  
Part 145 Maintenance Services



Material Support  
Consignment Programs  
Asset Evaluations  
End of Service Life Programs

## Reliable. Creative. Comprehensive.



**Willis Lease Finance Corporation**

*Power to Spare – Worldwide®*

+1 415.408.4742

[leasing@willislease.com](mailto:leasing@willislease.com)

[willislease.com](http://willislease.com)

**AIRCRAFT & ENGINE NEWS**

service fleet is set to increase to 16,000 aircraft, up from the 9,000 aircraft currently in operation. Market growth will drive 65% of this demand, while the remaining 35% of the projected demand will be to replace ageing aircraft.

**Vallair leases Boeing 737-700 to Indian operator SpiceJet**

Vallair, the aircraft trading, leasing and specialist MRO organization, has completed a long-term lease agreement with SpiceJet of India for a Boeing 737NG. The aircraft (MSN36118) was previously operated by TUI and was purchased from GEXX. The aircraft is one of a number of Boeing aircraft that Vallair has recently purchased for ultimate cargo conversion. As part of Vallair's developing service and ongoing support for the carrier, the intention is that it will return to Vallair after SpiceJet's commercial lease has expired. whereupon it will form part of the organization's developing P2F program before reverting to SpiceJet for operation as a freighter. SpiceJet operates a dedicated air cargo service under the brand name SpiceXpress offering cargo connectivity across India and on international routes. SpiceJet is the first Indian airline to offer end-to-end cargo services and the airline's freighter fleet consists of Boeing 737 aircraft.

**AeroCentury completes Aircraft Sales**

AeroCentury, an independent aircraft leasing company, has completed several aircraft sales transactions. AeroCentury recently sold one DHC8-400 MSN 4019 to Voyageur Avparts, Inc. as well as a Saab 340B MSN 321 to Worthington Aviation, LLC. In addition, AeroCentury recently sold two Fokker 50s MSN 20177 and 20122 and one DHC8-300 MSN 404 to Silverstone Air Services Limited and Jetways Airlines Limited in Kenya. These transactions are part of the Company's efforts to sell older aircraft and renew the portfolio which now stands at 27 aircraft with an average age of 12 years.

**Airbus and China Airlines present A350-900 with special joint livery**



Taiwan's China Airlines takes delivery of its newest A350-900 aircraft, with unique joint livery Photo: Airbus/A. Doumenjou

Taiwan's China Airlines (CAL) has taken delivery of its newest A350-900 aircraft, which features a unique joint livery that combines the airline's distinctive plum blossom logo with Airbus' exclusive A350 XWB carbon fiber pattern. Following this delivery, China Airlines now has 14 A350-900 aircraft in its fleet. The airline operates these aircraft on non-stop long-haul routes, including services from Taipei to Europe and North America, as well on selected routes in the Asia-Pacific region. Since entry into service in 2015, the A350 XWB has established itself as the new long-range leader in the larger twin-aisle category. Over 200 aircraft are already in service with 22 airlines, flying primarily on long-haul routes.

**GECAS orderbook provides Vistara seven A320neo**



GECAS and Vistara sign lease agreements Photo: GECAS

GECAS has signed a lease contract for seven A320neos to enter service with Vistara, the India based full-service carrier and joint venture of Tata Sons and Singapore Airlines, following deliveries from Airbus in the latter part of 2019 and continuing into 2020. Commencing operations in January 2015 as one of India's premier operators, Vistara, with its hub at Delhi's Indira Gandhi International Airport, has flown over 11 million customers. Operating an all-A320 fleet (with both 200s and neos), Vistara is the first airline in India to introduce premium economy class on domestic routes.

**MRO**

Followed by Thousands of Industry Professionals

AVITRADER publications

e-magazine

Industry insight, analysis and news

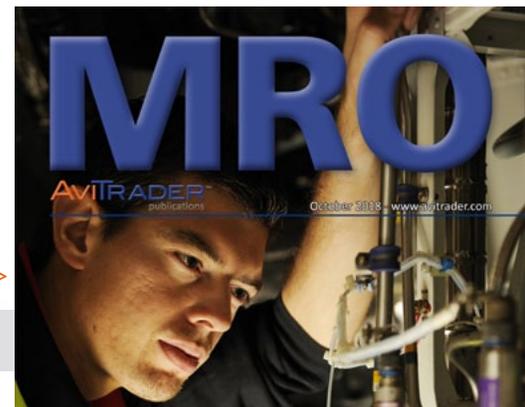
Free subscription straight to your inbox every month

Get latest edition >>

Contact us about Advertising Opportunities

Jenny Vogel, Sales Director  
jenny.vogel@avitrader.com

+49 (0)8761 346007



**IAI and Airbus Maritime Heron Remotely Piloted Aircraft System (RPAS) successfully completes 200 flight hours**



First operational flight in Crete, Greece

Photo: IAI

Israel Aerospace Industries (IAI), in partnership with Airbus DS Airborne Solutions, a subsidiary of Airbus DS, have successfully completed 200 flight hours with the maritime Heron Remotely Piloted Aircraft Systems as part of marine patrol and coastal guard mis-

sions on Crete, Greece. The Heron flew in European civilian airspace under a civilian code. Flying for FRONTEX, the European Border and Coast Guard Agency, the maritime Heron performed a series of flights equipped with an electro-optical payload for day and night vi-

sion, a marine radar made by IAI and an automatic identification receiver. Each mission lasted 14 hours on average. The surveillance platform Heron 1 used a direct link when flying within Line of Sight (LOS), switching seamlessly to a satellite link when flying Beyond Line of Sight (BLOS) to transmit information to multiple users in real time. IAI and Airbus were selected by FRONTEX in a contract that includes operating the RPAS in daily security and coastal guard missions, maintenance and more. IAI and Airbus will provide the service for pre-planned assignments as well as for ad-hoc calls. The current contract covers 600 flight hours and may be extended into a longer-term agreement. The Maritime Heron RPAS serves a range of customers worldwide and is a part of the well-known “Heron” family which has accumulated over 300,000 flight hours, day/night missions, under all weather conditions. The Heron can fly 24 hours in full operational configuration. It carries versatile dedicated payloads to provide a clear, real-time intelligence picture to the marine vessels’ commanders and teams. The only RPAS directly controlled by a ship’s command system since 2010, the maritime Heron is in service with the Israel Navy as its key patrolling tool, successfully performing reconnaissance and security assignments for many years.

**Airbus Helicopters expands presence in North American emergency medical services market with orders for six new aircraft**

Airbus Helicopters is expanding its presence in the North American emergency medical services (EMS) market with the sale of six helicopters for two customers at the 2018 Air Medical Transport Conference, which took place in Phoenix, AZ from October 22-24. REACH Air Medical Services will add three H125s and two H130s to its current fleet. The new aircraft, slated for delivery later this year, will allow REACH to expand its service area while modernizing its fleet. Headquartered in Sacramento, Calif., REACH is a subsidiary of Global Medical Response (GMR), which provides critical care air transport service to communities throughout California, Oregon, Nevada, Montana, Texas, and Colorado. Also at the show, Airbus welcomed a new customer – Medical Air Rescue Company (MARC) –which signed for its first Airbus helicopter, the H130. The acquisition is part of the company’s long-term plan to modernize its fleet and expand its operations into the



H145

Photo: Airbus Helicopters, ©Jerome Deulin

challenging mountainous regions in Wyoming, where the aircraft will be based. Scheduled for delivery in December, the new aircraft will help the growing organization serve roughly

2,400 patients a year across South Dakota, Wyoming, Montana, Nebraska and Texas.

**AIRCRAFT & ENGINE NEWS**

**BOC Aviation delivers third Airbus A321neo aircraft to Sichuan Airlines**

BOC Aviation, the Singapore-based commercial aircraft leasing company, has delivered the third of five new Airbus A321neo aircraft to Chinese carrier Sichuan Airlines. The remaining two aircraft will be delivered by the end of 2019. All five aircraft are from the Company's existing order book.

**MRO & PRODUCTION NEWS**

**Safran wins new wheel and brake contract from Turkish Airlines**

Turkish Airlines has chosen wheels and carbon brakes from Safran Landing Systems for its fleet of 25 Airbus A350-900 and 25 Boeing 787-9 long-range aircraft, set to enter service starting in 2019. The contract was announced during a signing ceremony at the MRO Europe trade show in Amsterdam. With this latest contract, Safran Landing Systems bolsters its leadership in the market for wheels and brakes on long-range commercial jets. On the Airbus A350, it provides a carbon brake which is the lightest on the market, while helping reduce fuel consumption. On the Boeing 787, the company's electric brake saves weight while retaining excellent thermal absorption capacity, higher dispatch reliability, simplified maintenance and longer service life.

**Sine Draco selects Sierra Completions as engineering design supplier for A321-200 SDF passenger-to-freighter**

Sierra Completions has been selected by Sine Draco for engineering design of its A321 passenger-to-freighter converted aircraft (A321-200 SDF). Sine Draco is an aviation development company with locations in the USA and China. It focuses on developing, managing and executing large-scale aviation projects, including aircraft design, modification, certification and investment management. The A321-200 SDF aircraft design offers an economic solution for customers with an upper deck loading capability of 14 (88x125 or 88x108) unit load devices (ULDs) and 10 LD3-45 ULDs for the lower deck. Sierra Completions serves private sector, VVIP and head-of-state clientele by modifying transport-category aircraft for interior and mission requirements. Featuring world-class engineering and design, Sierra Completions applies the cutting-edge systems, technology, schedule performance and integration excellence for which its parent company, Sierra Nevada Corporation, has been

**Privately-held Chinese airline Juneyao Airlines takes delivery of first 787-9 Dreamliner**



Juneyao Airlines' first Dreamliner takes off

Photo: Boeing

Boeing has delivered the first 787-9 Dreamliner for Shanghai-based Juneyao Airlines. The new, super-efficient Dreamliner will also be the first wide-body commercial jet operated by a privately held Chinese airline. Juneyao Airlines, previously an all-Airbus operator, mainly offers flights from Shanghai to more than 50 cities across China. In introducing the long-range 787 Dreamliner, the carrier is looking to expand its international network and increase flights to Southeast Asia, Japan and Korea. To ensure a smooth introduction of the Dreamliner, Juneyao Airlines will use Boeing Global Services' pilot training. The airline will also employ electronic flight bag in the flight deck to improve operational efficiency. On other aircraft, Juneyao uses Boeing's tailored charting services and flight planning solutions.

**Kellstrom signs multiple new distribution agreements**

Kellstrom Aerospace has been the appointed and authorized distributor for **Enviro Tech International's** line of vapor degreasing products including its n-propyl bromide and fluorinated solvents for aerospace and industrial parts cleaning applications.

"Enviro Tech is happy to leverage Kellstrom's global reach to offer our vapor degreasing products to an increasing number of aerospace and defense customers," states Scott Aulinskis, Vice President Sales and marketing of Enviro Tech.

"Kellstrom is delighted to be able to offer our 1,200+ customers in over 86 countries the ability to choose Enviro Tech's line of vapor degreasing products for the aerospace and defense industry to meet their needs," commented Daniel Adamski, Executive Vice President – Distribution Kellstrom Aerospace.



**Thermal Management Systems (TMS)** of AMETEK Aerospace & Defense has selected Kellstrom Aerospace as its authorized distributor for FMH Aerospace products. With the signing of this agreement, Kellstrom Aerospace is approved to solicit business for FMH commercial spares globally. AMETEK acquired FMH Aerospace, based in Irvine, CA, earlier in 2018. It is a leader in products used by the aerospace, defense and space industries to transfer fluids and gases at extreme temperatures and pressures in highly demanding applications. "AMETEK Thermal Management Systems has a strong suite of technologies deployed across many platforms. Adding FMH Aerospace to our AMETEK portfolio represents a significant milestone for Kellstrom Aerospace," comments Kellstrom Aerospace Executive Vice President – Distribution Daniel Adamski.

Furthermore Kellstrom Aerospace has been appointed as exclusive distributor to all Commercial Passenger and Freight Airlines (both Major and Regional Carriers), located in the USA and Canada and authorized distributor worldwide for **SKYMO's** complete line of aerospace cleaners, degreasers and chemicals."SKYMO is pleased to establish a partnership with Kellstrom Aerospace for distribution of our aerospace products worldwide," states Reyniel Santoya, Director of Operations SKYMO.

**MRO & PRODUCTION NEWS**

recognized for 50 years, to deliver innovative, customer-focused solutions in the aircraft completions and modification sector.

**West Star Aviation nears completion of new hangar at East Alton, ALN facility**

West Star Aviation is nearing completion of construction on a new 60,000 ft<sup>2</sup> hangar at its East Alton, IL (ALN) location. This hangar is anticipated to be operational by the end of fourth quarter of 2018. The hangar features 40,000 ft<sup>2</sup> of hangar space and 20,000 ft<sup>2</sup> of back shop and office space and will support West Star’s growing capabilities allowing the company to fully expand existing aircraft maintenance programs. This planned growth will employ an additional 28 technicians to support the expansion, in addition to their existing hiring efforts. “We are pleased to expand our East Alton facility. With this hangar, we occupy over 380,000 ft<sup>2</sup> of hangar and shop space at St. Louis Regional Airport,” said Scott Sweeney, General Manager, West Star Aviation. “Having a new hangar provides us the necessary capacity to continue offering world-class service to our customers and ensure we meet scheduled deadlines,” Sweeney added.

**CTT Systems receives Cair™ VIP inflight humidification order from Comlux**

CTT SYSTEMS AB (CTT), a leader of aircraft humidity control systems, has been awarded a Cair™ VIP Inflight Humidification (IFH) order from Comlux Completion to be fitted to one Airbus ACJ320neo. This award is CTT Systems’ 92nd IFH order for Airbus ACJ and Boeing BBJ VIP aircraft. “Delighted to cooperate with Comlux again in another prestigious completion,” says Peter Landquist, Vice President Sales & Marketing, CTT Systems. “Humidification is one of the most important features in engineering luxury and comfort for our most prestigious completion clients,” stated Scott Meyer, CEO Comlux Completion. Meyer continued, “CTT Systems is a trusted supplier and its Cair™ VIP Inflight Humidification has proven to be a very reliable and efficient system”. The CTT VIP Inflight Humidification (IFH) system achieves a comfortable level of 22 % relative humidity throughout the entire aircraft cabin. Without such a system the relative humidity would be only 3-5 %, far below the recommended level for human comfort, health and well-being. VIP passengers will, on long-haul flights, benefit from the increase in humidity with reduction of dry air-related problems (e.g. fatigue, jet-lag, red eyes, dry skin, spread of viral diseases), but also from improved well-being

**AerFin and NORDAM expand strategic services agreement to include nacelle consignment for Airbus A320 engines**



AerFin, Nordam expand strategic services agreement

Photo: AerFin

AerFin and NORDAM have announced an expanded strategic-services agreement to include consignment, exchange and lease-management of spare nacelles for V2500-A5 and CFM56-5B engines used on Airbus A320 aircraft belonging to A320-series operators in Europe. Under the agreement, NORDAM airline customers may access AerFin-owned components and related operational support from its main rotatable-distribution base near Gatwick Airport in London. The spares allow aircraft to remain in service while NORDAM repairs their thrust reversers and nacelles, preventing potentially costly ‘aircraft-on-ground’ downtime during maintenance. “By furthering our cooperation with AerFin, we’re controlling inventory costs and improving access to flight-ready, certified components and assemblies,” said T. Hastings Siegfried, Chief Operating Officer for NORDAM’s global repair and MRO group. “This geographically strategic arrangement underscores the NORDAM commitment to deliver consistently outstanding service and value to our customers, anywhere in the world.”

and sleep. The CTT IFH system utilizes evaporative cooling technology that effectively precludes the transfer of bacteria and improves air quality by reducing particles in the cabin air. The system also offers total anti-condensation protection.

**GA Telesis provides innovative inventory operating lease to support LATAM 777-300ER long-term operations**

GA Telesis has closed a large inventory lease comprised of rotatable spare parts for LATAM Airlines in support of its 777-300ER operations that was tailored to provide maximum operational flexibility for the airline. Commencing its first inventory financing in 2008, GA Telesis has emerged as a world-leader in inventory financing of leased assets with over 30 major airline operators on six continents. Inventory leasing has grown in relevance with airlines as new-technology aircraft are delivered by the airframe manufacturers. This proprietary leasing program

provides operators, MROs, and other aviation asset investors increased flexibility in managing their capital investment and facilitates greater focus on their core operations. Over the next three years, GA Telesis has budgeted up to US\$1 billion for asset financing in various structures to meet its customers’ needs for innovative financing solutions. The transaction was financed jointly with GA Telesis’ shareholder, Tokyo Century Corporation, under undisclosed terms.

**EASA approves AerTrak ADS-B Out system for Boeing 737 NG series aircraft**

AerSale®, a global supplier of mid-life aircraft, engines, used serviceable material and MRO services, has reported that the European Aviation Safety Agency (EASA) has approved the company’s AerTrak™ ADS-B Out system on Boeing 737 NG-series aircraft (10065422). Earlier this year, the Federal Aviation Administration (FAA) approved AerTrak™ for Boeing 737 NG-series

**MRO & PRODUCTION NEWS**

aircraft (ST04009NY) and Boeing 757-200-series aircraft (ST04011NY) to comply with the FAA's Automatic Dependent Surveillance-Broadcast (ADS-B) Operations rule. The Boeing 757-200-series aircraft Supplemental Type Certificate (STC) is now pending EASA and National Civil Aviation Agency of Brazil (ANAC) validation.

**GA Telesis Engine Services achieves Directorate General of Civil Aeronautics certification in Mexico**

GA Telesis Engine Services (GATES) has achieved Directorate General of Civil Aeronautics Certification in Mexico (DGAC). DGAC approval provides GATES with access to a major MRO market for CFM56 engines and will allow the company to develop and expand its customer base in the region. GATES has previously been approved by the Federal Aviation Authority (FAA), European Aviation Safety Agency (EASA), Transport Canada Civil Aviation (TCCA), the Civil Aviation Administration of China (CAAC) and General Authority of Civil Aviation in Saudi Arabia (GACA).

**thyssenkrupp Aerospace new Moroccan location taking off this year**

Morocco's aerospace industry is booming. With an annual growth rate of over 15%, it is a significant driving force behind the nation's economy. This encouraging development is also fueling demand for local material suppliers and service providers. "This is a trend we identified early on, and we will be commissioning our highly modern materials processing and logistics center in Casablanca before the end of the year, so that we can supply our local customers with the required materials and services," explains Patrick Marous, CEO thyssenkrupp Aerospace. "It is not only the French aviation industry that is investing in Morocco and we are pleased to be able to show our presence there for our customers from France and to further expand our global partnerships there as well," said Eric Cornilleau, Managing Director thyssenkrupp Aerospace France. On around 3,500 m<sup>2</sup> (warehouse, production hall and offices) located in Ouled Salah area, between Casablanca downtown and the airport, up to 20 new jobs will be created to address customer wishes and requirements. Besides the storage of materials such as aluminum, steel and copper in various shapes and alloys, the center will also process materials. Modern machinery cuts the materials precisely to customer specifications for just-in-time delivery to the customer's facilities.

**LG Electronics and Lufthansa Technik establish joint venture for aircraft displays and systems**



LG OLED display Lufthansa Technik

Photo: LHT

LG Electronics (LG) and Lufthansa Technik AG will jointly develop, produce and market LG's innovative OLED displays for commercial airplane cabins, the companies announced on October 25. The new venture will be based in Hamburg, Germany and will commence operation in the first half of 2019. The new joint venture will combine LG's advanced, lightweight and flexible OLED display technology with Lufthansa Technik's aviation business capabilities to create new markets for on-board aircraft applications such as welcome board screens and interior linings. Closing of the agreement, which was inked earlier this week in Hamburg, is subject to regulatory approval.

**FINANCIAL NEWS**

**Honeywell delivers third-quarter reported sales growth of 6%**

Honeywell sales for the third quarter 2018 were up 6% on a reported basis and up 7% on an organic basis (the difference between reported and organic sales primarily relates to the impact of foreign currency translation.) Third-quarter reported earnings per share was US\$3.11, which includes US\$233 million of separation costs (including net tax impacts) associated with the Garrett and Resideo spin-offs and a US\$1 billion favorable adjustment to the charge the company took in the fourth quarter of 2017 related to U.S. tax legislation. Aerospace sales for the third quarter were up 10% on an organic basis driven by robust demand from business aviation original equipment manufacturers, continued strength in the U.S. and international defense business, growth in the air transport and business aviation aftermarket, and demand for light vehicle gas turbochargers in Transportation Systems (which was spun-off as Garrett Motion Inc. effective October 1). Segment margin expanded 80 basis points to 22.1%, primarily driven by higher defense and aftermarket volumes, commercial excellence and lower customer incentives.

**JetBlue posts third-quarter 2018 results**

JetBlue reported third-quarter 2018 revenue per available seat mile (RASM) increased 1.7%, year over year, including 0.4 points of negative impact from severe weather during September. Operating expenses per available seat mile, excluding fuel (CASM ex-fuel) growth of 3.2%, was at the lower end of the updated guidance range of 3.0% to 5.0%. CASM ex-fuel for the third quar-

ter includes a 2.0 point headwind related to re-current costs of the pilot contract, effective as of August 1. JetBlue reported GAAP pre-tax income of US\$68 million. Excluding one-time costs, adjusted pre-tax income was US\$180 million, a decrease of 39.5% from the third quarter of 2017. Pre-tax margin was 3.4%, inclusive of one-time costs. Excluding these one-time costs, adjusted pre-tax margin was 9.0%, a 7.4-point decrease year over year. JetBlue ended the quarter with approximately US\$937 million in unrestricted cash and short-term investments, or about 12.6% of trailing twelve-month revenue. In addition, JetBlue maintains approximately US\$625 million in undrawn lines of credit. The realized fuel price in the quarter was US\$2.32 per gallon, a 36.6% increase versus the third-quarter 2017 realized fuel price of US\$1.69. JetBlue entered into forward fuel derivative contracts to hedge approximately 7.7% of its fuel consumption during the fourth quarter of 2018. Based on the fuel curve as of October 15, JetBlue expects an average price per gallon of fuel of US\$2.48 in the fourth quarter of 2018.

**Safran on track to meet 2018 outlook**

Safran has reported that third-quarter 2018 adjusted revenue was €5,348 million, an increase of 45.4% on a reported basis, including a contribution of €1,200 million from Zodiac Aerospace. On an organic basis, adjusted revenue grew 11.4%. First nine-month 2018 adjusted revenue was €14,854 million, up 30.9% on a reported basis year-on-year, including a seven-month contribution from Zodiac Aerospace of €2,716 million. Adjusted revenue increased 10.5% on an organic basis. First nine-month 2018 civil aftermarket revenue was up 14.7% in US\$ terms, including an increase of 16.4% in Q1 2018, 8.8% in Q2 2018

**FINANCIAL NEWS**

and 19.2% increase in Q3 2018. Spare parts sales and quarterly variations in revenue recognition for services drove the growth year-to-date. Safran confirms its assumption for civil aftermarket to increase in the 10-12% range based upon the positive momentum of spare parts sales and a slow-down in revenue recognition for services in Q4 2018. Compared to its estimated restated key metrics for the application of IFRS 15, Safran expects adjusted revenue to grow on an organic basis in the range 7% to 9%. At an estimated average spot rate of US\$1.21 to the Euro in 2018, adjusted revenue is expected to grow in the mid-single digits. Adjusted recurring operating income to grow around 20% at a hedged rate of US\$ 1.18 to the Euro. Free cash flow to be comfortably above 50% of adjusted recurring operating income, an element of uncertainty being the rhythm of payments by state-clients. The 2018 outlook notably benefits from a stronger civil aftermarket growth than the secular high single digits growth trend, from gross margin improvement of CFM56 OE and from advance payments of export contracts. (€1.00 = US\$1.14 at time of publication.)

**MTU Aero Engines raises forecast for nine months results**

In the first nine months of 2018, MTU Aero Engines (MTU) generated revenues of €3,318.7 million, up 14% on the previous year (1-9/2017: €2,900.8 million). The group's operating profit increased by 16% from €439.9 million to €508.9 million. The EBIT margin stood at 15.3% (1-9/2017: 15.2%). Earnings after tax rose by 16% to €362.8 million (1-9/2017: €312.8 million). The strongest increase in MTU's revenues in the period January to September 2018 was attributable to the commercial engine business, where revenues grew by 28% from €943.1 million to €1,203.7 million. The main source of these revenues was the V2500 engine for the classic A320 family as well as the PW1100G-JM for the A320neo and the GEnx engine that powers the Boeing 787 and 747-8. In the commercial maintenance business, revenues rose by 17% from €1,727.5 million to €2,019.7 million. This

growth was driven mainly by the V2500 engine, followed by the CF34 family of regional and business jet engines. "Our engine leasing and asset management business, which is constantly being expanded to include new services, is also gaining importance," commented CFO Peter Kameritsch. MTU is addressing the growing future demand for maintenance services by expanding its MRO network: "At the end of September, we laid the foundation stone for our EME Aero joint venture with Lufthansa Technik in Poland for the maintenance of Geared Turbofan™ aircraft engines," said Winkler. Revenues in the military engine business remained stable at €303.1 million (1-9/2017: € 305.2 million). The EJ200 Eurofighter engine was the main source of these revenues. As at September 30, MTU had an order backlog of €15.3 billion, compared with €14.9 billion at December 31, 2017. The majority of these orders relate to the V2500 and the Geared Turbofan™ engines of the PW1000G family, in particular the PW1100G-JM for the Airbus A320neo.

**American's third-quarter profit down 50%**

American Airlines Group has reported its third-quarter results, showing a third-quarter 2018 pretax profit of US\$456 million compared to US\$1,063 million the previous year. Pretax earnings excluding net special items for the third quarter of 2018 were US\$688 million, a US\$485 million decrease from the third quarter of 2017, driven by higher fuel prices. In addition, the company's third-quarter pretax earnings were negatively impacted by Hurricane Florence by approximately \$50 million. Strong demand for air travel drove a 5.4% year-over-year increase in third-quarter 2018 total revenue to US\$11.6 billion. Passenger revenue per available seat mile (PRASM) grew 1.8%, driven by a 2.2% increase in passenger yields. Cargo revenue was up 16.4% to US\$260 million due to a 12.1% increase in yield and a 3.8% increase in volume. Other revenue was up 14.5% to US\$738 million due primarily to higher loyalty revenue. Third-quarter total revenue per available seat mile (TRASM) increased by 2.6% compared to the third quarter 2017 on a 2.7% increase in total available seat miles. The improvement in revenue was offset by the significant increase in fuel prices. Total third-quarter 2018 operating expenses were US\$10.9 billion,

up 12.4% year-over-year, driven by a 42.6% increase in consolidated fuel expense.

**Boeing reports solid third quarter**

The Boeing Company has reported third-quarter revenue of US\$25.1 billion driven by higher defense volume and services growth. GAAP earnings per share increased to US\$4.07 and core earnings per share (non-GAAP) increased to US\$3.58 primarily driven by strong operating performance at Commercial Airplanes and a tax benefit related to a tax settlement. Results also reflect charges related to planned investments in the newly awarded T-X Trainer and MQ-25 programs. Boeing delivered strong operating cash flow of US\$4.6 billion, repurchased US\$2.5 billion of shares, and paid US\$1.0 billion of dividends. The company's revenue guidance increased US\$1.0 billion to between US\$98.0 and US\$100.0 billion, driven by defense volume and services growth, inclusive of the KLX acquisition. Operating cash flow guidance is reaffirmed at US\$15.0 to US\$15.5 billion. Full year GAAP earnings per share guidance is increased to between US\$16.90 and US\$17.10 from between US\$16.40 and US\$16.60 and core earnings per share (non-GAAP) guidance is increased to between US\$14.90 and US\$15.10 from between US\$14.30 and US\$14.50 driven by a lower-than-expected tax rate and improved performance at Commercial Airplanes.

**Norwegian's third quarter net profit increases 18%**

Norwegian (NAS) has reported a result (EBT) of 1.6 billion NOK (£149 million) for the third quarter 2018. The company continued to reduce its unit costs despite a capacity growth of 33%. Going forward, the growth will abate, consequently further reducing unit cost. The net profit for the third quarter was 1.3 billion NOK (£121 million), an improvement of 18% compared to the same quarter last year. The company's unit costs excluding fuel have decreased by 10% this quarter. The total revenue increased by 33% to 13.4 billion NOK (£1.2 billion). In total, approximately 11 million passengers chose to travel with Norwegian in the third quarter – an increase of 11%.



**Providing  
End To End  
MRO Services  
Since 1967**



Monarchaircraftengineering.com | engineering@mael.com



**FINANCIAL NEWS**

The load factor remained high at 90.5% compared to 91.7% last year. Norwegian has made significant investments in recent years, with the establishment of new bases internationally and in new markets; recruitment of several thousand employees – primarily pilots and cabin crew – the launch of many new routes and increase of frequencies on well-established routes. The strong international footprint has for instance contributed to the United States now representing the largest market after Norway in terms of total revenue.

**MILITARY AND DEFENCE**

**Embraer receives ANAC’s Type Certificate of the multi-mission airlift KC-390**

Embraer has receiving the Type Certificate from the Brazilian aviation authority Agência Nacional de Aviação Civil (ANAC) for its multi-mission airlift KC-390. The certificate was delivered by ANAC’s Director Juliano Alcântara Noman. The ceremony was held at the Brasília Air Force Base to celebrate the Aviator Day and Brazilian Air Force Day. The ANAC certificate completes a fundamental step towards military certification, when the aircraft will reach the Final Operational Capability (FOC), expected to happen by the end of 2019.

**StandardAero awarded option year for U.S. Navy P-8A CFM56-7 engine MRO support contract**

StandardAero has been selected as the U.S. Navy’s primary engine depot for support of the CFM56-7 engines used on the P-8A aircraft. This is the second straight year StandardAero has been selected to perform this work, which is carried-out under a U.S. Federal government Indefinite Delivery/Indefinite Quantity (IDIQ) type contract that is competed for and awarded each year among the U.S. Navy’s approved sources. The contract supports the U.S. Navy, the Government of Australia and other foreign military sales (FMS) customers. The P-8A is a Maritime Patrol Aircraft that is the replacement for the P-3 aircraft, which was introduced into service in the early 1960s. The CFM56 engines, used on the P-8A aircraft, are a commercially developed platform, capable of generating more than 27,000 pounds thrust. StandardAero has been supporting the U.S. Navy for more than 20 Years, providing MRO support across a number of engine and aircraft platforms. Under the P-8A award, StandardAero will provide depot-level repair and overhaul for the propulsion systems used to power this critical U.S. Navy mission.

**Royal Thai Air Force receives two new H225Ms**



Thai Air Force receives two new H225M helicopters

Photo: Airbus Helicopters-Anthony Pecchi

The Royal Thai Air Force (RTAF) has taken delivery of its seventh and eighth H225M (previously known as EC725) multirole utility helicopters. Since 2012, the RTAF has placed orders for a total of 12 H225Ms under its fleet modernization program. Belonging to a contract signed in 2016, these new additions will join the air force’s existing fleet of six H225Ms for combat search and rescue, search and rescue flights and troop transport missions. The 11-ton-category twin-turbine H225M is relied upon as a force multiplier by many air forces worldwide thanks to its outstanding endurance and fast cruise speed. Featuring state-of-the-art electronic instruments and the renowned 4-axis autopilot system, the multirole helicopter may be fitted with various equipment to suit any role. Close to 90 units are currently in service in six countries across the globe, surpassing the 100,000 flight hour milestone.

**OTHER NEWS**

Following a successful test project, **Norwegian** will expand its cooperation with **AVTECH Sweden AB** to further reduce fuel consumption. A report by the **Swedish Energy Agency**, which partly financed the project, shows that fuel consumption was reduced by 22 kilos per flight. This equals an annual CO2 reduction of 16,000 tons – or a reduction of 5,000 tons of fuel per year, which in turn leads to reduced costs for Norwegian. The new technology, Aventus Air™ weather service provides Norwegian’s pilots with highly accurate wind and temperature information in accordance with their flight plan. Data is transferred to the aircraft’s systems, which makes it possible to optimize the flight path for improved fuel efficiency and reduced emissions. “We work actively to reduce emissions. We have one of the youngest and most environmentally friendly

fleets in the world, which has enabled us to reduce emissions by more than 30% since 2008. Our ambition is to continue to reduce emissions per passenger with fuel-efficient aircraft and with innovative technology. The AVTECH project demonstrates that fuel consumption can be further reduced by using advanced weather data. We are looking forward to establishing a permanent partnership that benefits both the environment and Norwegian’s costs,” says Tomas Hesthammer, Norwegian’s Director of Flight Operations. The project has been partly financed by the Swedish Energy Agency, which has published a report on the test project. Data from a total of 29,000 flights completed in November and December 2017 have been analyzed. The results show a reduction of 640 tons of fuel on Norwegian’s flights during this period. This corresponds to an annual CO2 reduction of 16,000 tons, or an annual reduction of 5,000 tons of fuel on Norwegian’s flights.

**OTHER NEWS**

**Pentagon 2000 Software, Inc.**, the leading provider of fully integrated MRO and supply-chain software solutions for the Aerospace & Defense industry, has released an enhanced Leasing Contracts Manager module that delivers advanced capabilities for contract management of engines and complex assemblies. Functionality for supply-chain logistics, accounting and financials, and contract terms management are included and tightly integrated along with standard forms and reports for seamless end-to-end workflow. The Pentagon 2000SQL™ Leasing Contracts Manager supports a wide variety of time-control and cycle parameters to support contract management and customer billing. In addition to simple contract billing based on calendar periods, usage may be managed and billed based on hours, cycles, landings, and advanced formulated calculations. This enhanced add-on module complements a full set of other contract management modules that support buy/sell contracts, repair contracts, exchange contracts, and import/export contracts. In today's increasingly competitive environment, operators are demanding the flexibility to obtain parts and components under a variety of flexible terms. By providing leasing contracts with fixed or variable power-by-the-hour billing terms, strategic suppliers are able to respond to the rapidly expanding needs of aircraft operators and gain competitive advantage over other brokers, distributors and parts traders. Benefits of the Leasing Contracts Manager module to Pentagon 2000SQL™ customers include increased contract revenues, reduced operating costs, and improved customer service.

In a federal court in Seattle, Washington on October 19, **Bombardier**, the Canadian plane maker, filed a lawsuit against **Mitsubishi Aircraft Corpo-**

The **International Air Transport Association (IATA)** has called for urgent action by the **U.K.** and the **European Union** to put in place contingency planning for the continuation of air services in the event of a 'no-deal Brexit', and to move much faster to bring certainty to three critical air transport issues: the uninterrupted continuation of air connectivity, the framework for regulating safety and security, and the policies and processes needed for efficient border management. "These are the most critical areas because there are no fallback agreements such as the WTO framework available in a 'no-deal' Brexit scenario. Without any contingency planning being made transparent to the industry, the risks of not addressing these issues could mean chaos for travelers and interrupted supply chains. With less than six months to go, we have little more certainty than we did in June 2016," said Alexandre de Juniac, IATA's Director General and CEO. Even in the best-case scenario, where a Brexit transition phase is agreed for the period after March 2019, a high degree of uncertainty and risk to air services remains. A no-deal or "hard" Brexit outcome, without an agreement for a transition period, is likely to lead to significant disruption to air services. Moreover, the lack of transparency concerning any contingency planning for this scenario has left airlines completely in the dark as to what measures to take. "The EU and UK have a responsibility to millions of their citizens who depend on reliable air transportation. The goal should be a comprehensive air services agreement that does not step backwards from the connectivity existing today. But with the possibility of a 'no deal' Brexit still on the table this late in the game, it is now essential that the EU and UK civil aviation authorities plan for contingency arrangements to maintain a minimum level of connectivity, which is vital for people and for business. This has to be one of the most important Brexit considerations. A backstop contingency plan to keep planes flying after March must be published, and quickly," said de Juniac.



Photo: IATA

**ration** (the aircraft arm of Mitsubishi Heavy Industries), Seattle-based **Aerospace Testing Engineering & Certification Inc (AeroTEC)** and several former Bombardier employees. AeroTEC is currently aiding Mitsubishi Aircraft obtain 90-passenger jet certification by regulatory bodies. Bombardier is alleging that a number of its employees who were recruited by Mitsubishi or AeroTEC

took confidential documents and data with them which was related to the certification of airplanes in Canada and the United States. Bombardier has requested a preliminary injunction stopping Mitsubishi Aircraft from using any of the information it claims has been taken by former employees who are alleged to have emailed copies of sensitive documents to their private email accounts



**everestevents**  
Aviation Training & Events

# AIRCRAFT ECONOMIC LIFE SUMMIT

20 November 2018, Gibson Hotel, Dublin

-  Everest Events Ltd
-  @everestevents
-  Everest Events

**OTHER NEWS**

prior to leaving the company. While AeroTEC has yet to comment, Mitsubishi Aircraft has openly denied any wrongdoing, calling Bombardier’s allegations “groundless.”

The **Mitsubishi Regional Aircraft (MRJ)** is the first passenger plane to be built in Japan since the 1960s and the project has been plagued by constant delays. While the initial launch date had been penned in for 2013, it is now anticipated that **ANA Holdings**, the launch customer, will not receive the first aircraft delivery until 2020. One of the reasons cited by Mitsubishi Aircraft for delays in the past has been obtaining certification. Bombardier is anxious that the MRJ will be the forerunner to additional jets which will compete directly with what was the Bombardier 110-130-seat CSeries, recently renamed the Airbus A220. Bombardier said it took it nearly a decade to take its CSeries from concept to commercial flight and that only four companies since 2000 had been able to develop a “clean-sheet” aircraft program approved by regulators in Canada, Europe and the United States.

**Delta Air Lines** plans to connect its Minneapolis-St. Paul (MSP) hub and China for the first time in 2020, with a proposed route to Shanghai operated with its state-of-the-art Airbus A350-900 aircraft, subject to government approvals from the United States and China. The announcement follows the new Delta service from MSP to Seoul-Incheon, which begins April 1, 2019, and complements existing Asia nonstop Delta services to Tokyo-Haneda International Airport from MSP. Commercial airline service between the U.S. and China is governed by existing agreements that limit the ability of U.S. and Chinese carriers to establish new flights between the two countries. Currently, however, there is availability for additional U.S.-China services that are not being utilized. In its proposal to the DOT, Delta outlines its ability to offer travelers access to more than 70 destinations in China beyond Shanghai in cooperation with partners China Eastern and Shanghai Airlines. In addition, Chinese customers would be able to connect to more than 100 U.S. destinations through a single, convenient connection at Delta’s MSP hub.

**Sheltair Aviation Services**, a private Florida-based aviation development company, has signed an exclusive agreement with **ARGUS International** to provide TRAQPak FBO, ARGUS’ aircraft movement intelligence tool, to all Sheltair FBO locations across the U.S. TRAQPak FBO will provide Sheltair locations with FAA aircraft movement data and ADS-B aircraft tracking provided by FlightView, Eurocontrol European flight data and Flight Global Ascend owner/operator fleet and contact data. TRAQPak FBO is



Photo: British Airways

According to **International Airlines Group (IAG)**, owner of **British Airways**, since its announcement on September 6 that up to 380,000 customers may have had their personal data, including credit card details, compromised, further investigation of the incident has revealed the possibility that an additional 180,000 customers’ data may also have been compromised. At the same time, they have reduced their estimate of initial numbers to 244,000, making the overall total of affected customers 424,000. While British Airways has made it very clear the airline will compensate any customers for direct financial losses incurred as a result of the breach in data security, so far it has yet to learn of any verified instances of fraud since the original announcement. The airline also confirmed that only those customers who made reward bookings between April 21 and July 28 and who used a payment card could have been affected. According to a news release from the carrier: “While we do not have conclusive evidence that the data was removed from British Airways’ systems, we are taking a prudent approach in notifying potentially affected customers, advising them to contact their bank or card provider as a precaution. Customers who are not contacted by British Airways by Friday 26 October at 1700 GMT do not need to take any action.” On Thursday October 25, BA confirmed that it was in the process of notifying the holders of another 77,000 payment cards that the name, billing address, email address, card, payment information including card number, expiry date and security codes had potentially been compromised, plus an additional 108,000 without the security code.

an advanced, web-based aircraft movement intelligence tool that provides live flight tracking with fully integrated functionality powered by TRAQPak’s historical aircraft activity data and analysis, FlightView aircraft movement data, and Flight Global Ascend aircraft owner/operator contact information.

At the MRO Europe exhibition, **Satair** and **Metamaterial Technologies (MTI)** and its optical filters division **Lamda Guard** of Halifax, Nova Scotia, Canada, signed an exclusive global multi-million-dollar distribution agreement to bring MTI’s metaAIR® laser glare protection eyewear and visors to all aviation and military markets. The products covered are eyewear and visors and are applicable to the full range of pilots – commercial, military fixed wing and rotary, and covering a multitude of operations such as commercial and business aviation, military, search and rescue, police and medevac. The technology is superior to other products currently on the market due to a unique and patented dielectric (non-metallic) optical

metamaterial filter, which has been scientifically engineered to ensure that the pilots’ vision and interpretation of the surrounding environment is not disturbed during critical phases of flight. Laser strikes on aircraft and helicopters have risen over the years and laser pointers are increasing in power and decreasing in price. Lasers can distract and even harm pilots during critical phases of flight and can cause temporary visual impairment. Over 6,750 laser incidents were recorded in the USA in 2017 according to the Federal Aviation Administration. In 2016 there were over 1750 laser incidents reported to the UK Civil Aviation Authority and Transport Canada Civil Aviation. The introduction of these new products will bring enhanced safety to pilots globally, answering the need to address a rising threat to pilot safety and to passenger safety/airline operational continuity.

**Iberia** continues to bet strongly on Latin America and plans to raise capacity on several routes there in the 2019 summer season. The airline will boost the numbers of flights and seats offered on

**OTHER NEWS**

routes to Buenos Aires, Mexico City, Santiago de Chile, Guatemala City, and El Salvador this winter, and next summer it will expand its services to four other important markets as part of its Latin American strategy: Brazil: last June, Iberia raised the number of Madrid-Rio de Janeiro flights from four to five weekly, and next July flights will be daily, representing more than 180,000 seats per year, a 32% increase. Uruguay: Iberia will operate return Madrid-Montevideo flights starting in July, and will move from five to seven flights per week, a 20% increase in annual seat supply to more than 180,000. Ecuador, Iberia is boosting its service to Quito, and starting next July will it rise from six flights a week to a daily flight, using its biggest aircraft, the Airbus A340/600, equipped with the new Premium Economy seating section. The additional flight represents an increase in seat supply by 9.4% to nearly 245,000 per year. Peru: Iberia will offer 100 flights to Lima in July and August, with 2,154 additional seats on that route. In 2019, Iberia is to take delivery on another three Airbus A350s; this will enable the airline to use the Airbus A350 on other routes, starting with Buenos Aires and Chicago. These new aircraft are currently flying on Iberia's Madrid-New York flights. As of next February, the A350 will gradually be incorporated into Madrid-Buenos Aires service, and in the course of the year an Airbus A350 will be used for one of Iberia's daily flights between Spain and Argentina. The airline is concentrating its efforts on this key market, and will offer a total of 17 flights per week and 600,000 seats, an increase of 19% in 2019. Chicago will become Iberia's second US destination after New York to welcome the A350 gradually from May.

Only two months after taking over the helm as CEO of **Air France-KLM**, Ben Smith and the management of Air France have announced that they have reached a deal with most unions that is hoped will see an end to costly strikes which, this year, cost the carrier US\$385 million. While five unions, representing 76.4% of company personnel have accepted the accord which offers a 4% pay raise, 2% backdated to January 1, 2018 and another 2% in January 2019, it is understood that SNPL, the main French pilots' union is holding out for better terms. Unions had been demanding a

5.1% raise in pay, backdated to the 2012-2017 period. However, Air France confirmed that the present agreement is "considered valid and will be implemented." Farid Slimai, a spokesman for the Unsa-Sol union which represents ground personnel, said the unions finally accepted management's offer as an "act of confidence aimed at Ben Smith" and to help the airline "move on and look

to the future." Smith thanked the various parties "for the quality of our discussions over the past few weeks," saying in addition that: "This way of working between all parties provides Air France and the Air France-KLM Group with a new perspective going forward, and it is my hope that it will ensure the future success of our airlines."



**INVENTORY OPTIMIZATION & SUPPLY CHAIN MANAGEMENT SEMINAR**  
19-20 Feb 2019, Palma de Majorca, Spain



**Learn How to:**

- Reduce AOG Risks
- Optimize Inventories
- Handle Inventory Life Cycle
- Set Up Effective Reporting Tools
- Handle AOG Situations
- Select Supply Chain Solutions

Supporting Publications: **AVITRADER**  
The Aviation News Source

Photo: Everest Events

UK based **Everest Events** and **AviTrader** agree to cooperate in the field of organizing aviation events and seminars. The venture will focus on seminars about supply chain, inventory management and technical cost reduction. The first seminar with the topic "Inventory Optimization & Supply Chain Management" is already scheduled in February 2019. All events and seminars are structured to bring together industry experts and experience. Caroll Everest, Managing Director of **Everest Events Limited** says: "I am delighted to be working collaboratively with AviTrader, with whom we have built a strong business relationship over many years, to bring a new aviation event for those involved in the Aviation Supply Chain and Inventory Management. Torsten Tamm, Managing Director of Germany based **AviTrader CS GmbH** continues: "We are very happy about this cooperation with Everest Events. Entering the event business is a logical process in the continuing growth of service offering under the AviTrader brand. With Caroll Everest we found the right partner with decades of experience in organizing aviation events. Our events will be the perfect place to learn, sharing experience and networking." Vancouver, Canada based AviTrader Publications Corp. has been established in 2004 as an aviation news publication company. Today it is one of the leading companies delivering real time digital news to the aviation professional. Through it's Munich, Germany based branch AviTrader CS GmbH, AviTrader provides consulting services to airlines around the globe.

# Take Quantum Control of Your Business

*The Undisputed Leader in Aviation MRO and Logistics Software*

**DEPLOYED BY MORE THAN 1,600 AVIATION COMPANIES IN OVER 50 COUNTRIES**

Visit [www.componentcontrol.com](http://www.componentcontrol.com) to find out more ▶ Visit us at MRO Asia-Pacific 2018 · Booth #504

**INDUSTRY PEOPLE**



Joyce Pae

- Cadence Aerospace, a provider of highly complex aerospace components and assemblies to commercial and defense customers, has appointed **Joyce Pae** as its Chief Financial Officer (CFO). Pae has

served as Interim Chief Financial Officer since September 10, 2018. In her new, permanent role as CFO, she is responsible for optimizing the financial performance of Cadence Aerospace, including managing the company's finances, financial planning, risk management, record keeping, liquidity, financial reporting and return on investment. She succeeds **Don DeVore**, who retired from the company earlier this year. The entire Corporate Finance team will report to Ms. Pae, focusing on continued delivery of key business initiatives in partnership with the site controllers.



Sonya Adams

- International aviation fuel products and services supplier, Air BP, has announced the appointment of **Sonya Adams** as Managing Director, Northern, Central and Western Europe, effective beginning of October.

Adams will be responsible for Air BP's strategy and operations in the region and will be based at Air BP's global headquarters in Sunbury on Thames, U.K., reporting to CEO, **Jon Platt**. For the past year, Adams has served as Executive Assistant to the CEO, BP Downstream.



Helmut Himmelreich

- AviTrader CS GmbH has appointed **Helmut Himmelreich** as Senior Adviser Operations Improvement Programs. Himmelreich will lead the operational consulting unit of AviTrader and its strategic partner Amros Global

focusing on performance improvement programs for airlines and MRO organizations. Besides consulting services, Helmut

*Recommended Events*



**Aircraft Economic Life Summit 2018**

November 20, 2018 – Gibson Hotel, Dublin, Ireland

**Inventory Optimization & Supply Chain Management 2019**

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

*Click here for more aviation events*

and other senior consultants are also available to provide interim management services. **Torsten Tamm**, Managing Director of AviTrader CS GmbH: "We are delighted having Helmut joining our team. He brings many years of executive management experience to our team. His airline and MRO background safeguards professional project deliveries to our customers. We see a growing demand for interim management solutions and temporary consulting services to significantly improve operational performance."

- MTU Aero Engines AG's Supervisory Board has extended the contract of CEO **Reiner Winkler** by five years until September 30, 2024. The decision was made by a unanimous vote at the Supervisory Board's meeting on October 24, 2018. **Klaus Eberhardt**, Chairman of the Supervisory Board, said: "Reiner Winkler has done an excellent job running MTU over the past few years and has played a key role in boosting the company's value. This benefits MTU's employees, customers and shareholders. The Supervisory Board is convinced that under the leadership of Winkler, MTU's Executive Board will continue to successfully shape the company's future. Winkler has been the company's CEO since January 2014 and previously served as its Chief Financial Officer since May 2005 when MTU went public.



**AviTrader Publications Corp.**  
Suite 305, South Tower  
5811 Cooney Road  
Richmond, BC  
Canada V6X 3M1

**Publisher**  
Peter Jorssen  
Tel: +1 604 318 5207

**Editor**  
Heike Tamm  
editor@avitrader.com  
Tel: +34 (0) 971 612 130

**Advertising Inquiries and Customer Support**  
Jenny Vogel  
jenny.vogel@avitrader.com  
Tel: + 49 (0) 8761 346 007

**For inquiries and comments, please email:**  
editor@avitrader.com

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

## Regional Jet / Turboprop Aircraft

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

**Aircraft Parts eMarketplace**



Browse Parts from  
over 3,000 Vendors on  
**StockMarket.aero**

Visit [www.StockMarket.aero](http://www.StockMarket.aero) to get started ▶

Mobile App Available on iPhone & Android



Component solutions you can trust with the world's  
most powerful independent rotatable inventory

[www.gatelesis.com](http://www.gatelesis.com)



# 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>					
(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>					
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3B1	Now - Lease				
CF34-3A	Now - Sale / Lease				
(2) CF34-8C5B1	Now - Sale / Lease	Regional One	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
(1) CF34-3B1	Now - Sale / Lease				
(2) CF34-10E7	Now - Sale/Lease/Exch.	Werner Aero	Cliff Topham	ctopham@wernerero.com	+1-703-402-7430
(1) CF34-8E5	Now - Sale / Lease	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 7930463293
(1) CF34-10E7	Now - Sale / Exchange	Willis Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
(1) CF34-8E5A1	Oct 18 - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(1) CF34-10E5	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CF34-10E6	Now - Lease				
(1) CF34-10E7	Now - Lease				
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
<b>CF6 Engines</b>					
(1) CF6-80C2A2	Oct 18 - Sale / Lease	Castelake	Stuart MacGregor	stuart.macgregor@castelake.com	+442071906138
(1) CF6-80C2A2	Dec 18 - Sale / Lease				
(1) CF6-80C2B7F	Now - Sale	Willis Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
<b>CFM Engines</b>					
(1) CFM56-7B26/E	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/3	Now - Lease				
(1) CFM56-7B27	Now - Lease				
(1) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) CFM56-7B26	Soon - Lease		Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) CFM56-3C1	Soon - Lease		Jennifer Merriam	leasing@willislease.com	+1 (415) 408 4742
(1) CFM56-3B1	Soon - Sale/Lease/Exch.		David Desaulniers	leasing@willislease.com	+1 415 516 4837
(1) CFM56-5A	Now - Sale		Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
(1) CFM56-5B6/2P	Now - Sale		Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
(1) CFM56-7B24/3	Soon - Sale/Lease/Exch.		Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
(1) CFM56-7B27	Now - Sale / Exchange		Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775



**Willis Lease Finance Corporation**  
Power to Spare - Worldwide®



**GECAS**  
Engine Leasing

*Regional One*

**Engine Lease Finance**



**NATIONAL AERO STANDS**

The World Leader in Engine Stand Leasing  
proudly brings you the FIRST

**Trent 800 Rollover Stand**  
for **LEASE!**

www.stands.aero | 305.558.8973 | support@stands.aero



## THE AIRCRAFT AND ENGINE MARKETPLACE

**Commerical Engines (cont.)**

(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-5B	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werner aero.com	+1-703-402-7430
(1) CFM56-7B	Now - Sale/Lease/Exch.				
(1) CFM56-5B3/P	Dec 18 - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CFM56-7B26	Jan 19 - Sale / Lease				
<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
<b>GEEx Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) GEEx	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
(1) PW123B/D/E	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 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
(1) PW4168	Soon - Sale	Willis Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
<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-A5	Now - Sale / Exchange	Willis Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775
(1) V2533-A5	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@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) GTC331-500B	Now - Sale/Lease/Exch.				
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GTC331-300A, GTC331-98DHF 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) GTC331-150RJ, (2) GTC331-100M,	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					
GTC331-9A (2), GTC331-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTC331-200, GTC331-250	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) GTC331-350C	Now - Sale / Lease	AirFin	Nick Filce	Nick.Filce@aerfin.com	+44 7770 618 791
(1) GTC331-300A, (1) GTC331-9A					
GTC331-9A, GTC331-9B, GTC331-350C	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcMorin@logix.aero	+33.6.4782.4262
GTC331-500B, GTC331-200/250,			Rich Lewsley	rlsley@logix.aero	+44.79.0021.8657
APS3200, APS2300, GTC331-129H					
APU GTC331-500	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					
GTC331-9A, GTC331-9B	Now - Sale / Lease	Werner Aero Services	Julien Levy	jlevy@Werneraero.com	+1 201-674-9999
737-800 Winglets	Now - Sale / Lease				
737-700 & 737-800 Landing Gear	Now - Sale / Lease				
(3) APS 2300	Now - Sale/Lease/Exch.		Mike Cazaz	mike@werneraero.com	+1 201-661-6804
767-300 Winglets, LH-RH P/N 767-0010-5, -6, -7 & -8, SV- Now Sale		Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368