

# Weekly Aviation Headline News

## WORLD NEWS

### British Airways' offsetting scheme takes off

From 1 January 2020, British Airways began offsetting carbon emissions on all its flights within the UK, as part of the airline's commitment to achieving net zero carbon emissions by 2050. The airline says customers flying within the UK on flights operated by British Airways will have the carbon emissions from their flights offset by the airline and invested in the highest quality, verified carbon reduction projects around the world. These will include quality assured projects such as renewable energy, protection of rainforests and reforestation programmes.

### Delta completes tender offer to purchase shares in LATAM

Delta Air Lines has successfully completed its previously announced tender offer and has acquired a 20 percent equity stake in LATAM Airlines Group S.A for approximately \$1.9 billion., an important milestone toward bringing together the airlines in North and South America. This investment continues Delta's strategy of making equity investments in key airline partners around the globe.

### AerCap signs lease agreement with AirSial for A320s

AerCap has signed an agreement with AirSial Limited, a privately-owned Pakistani start-up airline, for the lease of three used Airbus A320 aircraft. The aircraft are scheduled to deliver in the second quarter of 2020 and will be the first aircraft to be delivered to the airline. AerCap is a major player in aircraft leasing in the Pakistani market.



Aviation saw fatal accidents halved in 2019.

Photo: Keith Mwanalushi

## Air crash fatalities fell by half in 2019

### Reveals new industry study

A new report by aviation consultancy To70 says the number of people killed in crashes of large commercial aircraft fell by more than 50% in 2019.

In 2019 there were 86 accidents, 8 of which were fatal, resulting in 257 fatalities. In 2018 there were 160 accidents, 13 of which were fatal, resulting in 534 fatalities. These follow a historic low in 2017 with only two fatal accidents involving regional turboprops (out of 48 accidents) that resulted in the loss of 13 lives.

Despite two high-profile accidents this past year, an Ethiopian Airlines Boeing 737 MAX and an Aeroflot Sukhoi Superjet, and the Bek Air Fokker 100 in Kazakhstan just before

Whilst the accident rate for 2019 was low, the firm highlights that there are fundamental issues about how we organise our industry that must be addressed.

Fatal accidents involving the Boeing 737 MAX in 2018 and 2019 have asked difficult questions of the aviation industry. The issue of derivatives – when a new model

**“Whilst the accident rate for 2019 was low, there are fundamental issues about how we organise our industry...”**

To70

the year's end, fatal accidents to large passenger aircraft remain rare events. Only two other accidents, a piston aircraft in March and a turboprop in November, resulted in more than 10 casualties.

of an aircraft type is considered a development of a previous one – is something that is rarely discussed outside the airworthiness world.

*Continued on page 3*







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# NEW YEAR'S RESOLUTION



## CURRENT APUs AVAILABLE SALE - LEASE - EXCHANGE

Honeywell GTCP 131 – 9A  
Honeywell GTCP 131 – 9B  
Honeywell GTCP331-200ER

Honeywell GTCP331-350  
Honeywell GTCP331-500  
Pratt & Whitney PW 901A

Email: [apu@gatelesis.com](mailto:apu@gatelesis.com)



...continued from page 1

The question as to whether the 737 MAX was a derivative too far is still unanswered. These accidents also raise important issues about how much information and – most importantly – training is needed on new systems. Questions about how aviation authorities delegate powers to manufacturers are also being asked in wider circles than ever before.

To70's annual Civil Aviation Safety Review examines accidents for large

passenger aircraft. The consultancy firm says the report takes into consideration all possible causes, whether technical failure, human error or unlawful interference. Despite several high-profile accidents this the 2019 fatal accident rate is lower than the average of the last five years.

## AIRCRAFT & ENGINE NEWS

### Mongolian Airlines to welcome first Boeing 787-9 Dreamliner

MIAT Mongolian Airlines (Mongolyn Irgenii Agaaryn Teever) will soon welcome the first Boeing 787-9 Dreamliner to its fleet, as the airline looks to connect its home base in Ulaanbaatar with major European and North American cities beginning in 2021. The 787-9 – the longest-range version of Boeing's Dreamliner widebody airplane – will join MIAT's fleet via lease from Air Lease Corporation.

### Airbus delivers first A220 to Air Canada

Air Canada has taken delivery of its first A220-300, designed, built and delivered from the Mirabel A220 programme facilities in Canada. The first aircraft out of an order of 45 will enter service in January 2020, making Air Canada the first airline to operate the A220-300 in North America. The A220 will enable the Montreal-based airline to comfortably fly passengers on various routes in Canada and to the United States, offering a dual-class cabin that comfortably seats 137 passengers; 12 in business class and 125 in economy class.

### Airbus delivers 863 aircraft in 2019 and surpasses rival Boeing for first time since 2011



Photo: Airbus

Airbus has taken full advantage of Boeing's 737 MAX woes and even managed to exceed the company's October's revised goal of 860 deliveries for 2019. Having canceled many holidays and re-allocated elements of its workforce, the European plane manufacturer managed to complete a backlog of aircraft which were waiting to have their cabins adjusted. In total, Airbus delivered 863 aircraft, of which 640 were single-aisle variants. This was an increase of 7.9 percent on its 2018 deliveries. According to Reuters news agency, these figures have to be audited before they can be officially published, while Airbus has yet to comment on its achievement. Between January and November 2019, Boeing managed to deliver 345 jets, mainly long-haul variants, which will likely see the American aerospace giant deliver less than half the 806 jets it delivered in 2018. However, Airbus did not have a trouble-free year where deliveries were concerned, caused principally by problems with the new A321neo jet layout. With assembly taking place in Hamburg, Germany, dozens of the jets had to be stored in hangars while awaiting last minute configurations as well as the arrival of additionally needed workforce. However, Airbus' deliveries for 2019 were still an industry record.

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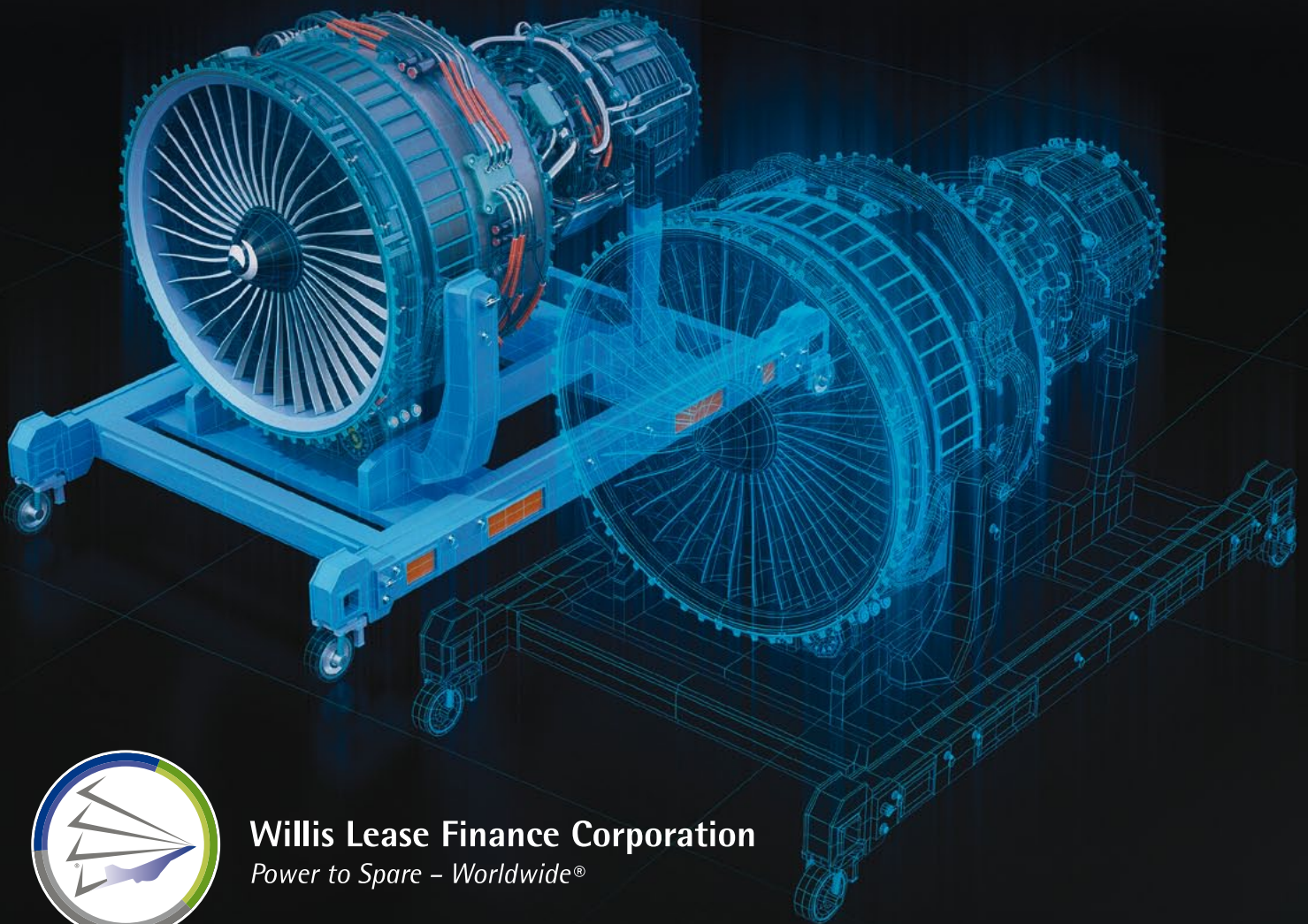
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## Airbus teams up with Aston Martin to launch ACH130 Aston Martin Edition helicopter

The ACH130 Aston Martin Edition, the first offering from the recently announced partnership between Aston Martin Lagonda and Airbus Corporate Helicopters, was revealed on January 3rd, at Courchevel in the French Alps. This stylish special edition of the ACH130 helicopter comes equipped with a range of four interior and exterior designs generated by Aston Martin which will delight helicopter owners and pilots who appreciate the pleasures of possessing and driving high performance bespoke luxury cars. The aeronautical designers at Airbus Corporate Helicopters (ACH) and the automotive designers at Aston Martin have worked closely together for over a year, marrying ACH's key values of excellence, quality and service with Aston Martin's commitment to beauty, handcrafting and automotive art to bring a new level of aesthetics and rigorous attention to detail to the helicopter market.



ACH130 Aston Martin Edition

Photo: Airbus Helicopters/Adrien Daste

## COMAC highlights safety priority as 6<sup>th</sup> C919 prototype jet takes to the skies



The 6<sup>th</sup> C919 takes off for its maiden flight

Photo: Comac

The Commercial Aircraft Corporation of China (COMAC) has announced that its sixth C919 AC106 prototype has successfully undergone its first test flight which lasted just over two hours after the jet took off from Shanghai on Friday, December 12. The C919 is China's solution to the Airbus-Boeing duopoly involving the A320- and 737-family jets respectively and is specifically targeting the 150-seat sector of the market. This latest test flight is a significant milestone for the company which already has five other test aircraft located throughout the country. According to COMAC officials, the state-owned company is aiming to obtain Chinese certification for the C919 in 2021, though this date is subject to regulatory approval. COMAC has also made it clear that the aircraft's safety remains a top priority, while He Dongfeng, the company's Communist Party boss, wrote in a state-owned newspaper in December that aircraft safety was key to the survival of COMAC.

## Rolls-Royce Pearl 15 receives US certification

The Pearl® 15, the exclusive engine option for Bombardier's Global 5500 and Global 6500 aircraft, has received its official certification by the Federal Aviation Administration (FAA). The engine, which was developed at the Rolls-Royce Centre of Excellence for Business Aviation engines in Dahlewitz, Germany, has previously been certified by the European Union Aviation Safety Agency (EASA) and Transport Canada Civil Aviation (TCCA). The Pearl 15 was custom designed to power the Global 5500 and Global 6500 aircraft, which have the longest range and the largest cabin in their category and feature Bombardier's signature smooth ride technology. Rolls-Royce is the world's leading engine supplier for business aviation, powering more than 3,200 aircraft in service today. The new state-of-the-art Pearl engine family for business aviation, has already been chosen to power three different business jets, reaffirming Rolls-Royce's leading position in this important market.



Rolls-Royce Pearl 15 engine receives US certification

Photo: Rolls-Royce

## First Airbus A350-1000 joins Air Caraïbes' fleet



The first A350-1000 for Air Caraïbes

Photo: Airbus

Air Caraïbes (a member airline of Groupe Dubreuil) has taken delivery of its first A350-1000, the largest member of Airbus' new-generation A350 XWB Family, making it the first French operator of the type. The airline plans to operate its A350-1000s alongside its three A350-900s and six A330s on routes from Paris to the French Caribbean. The new aircraft will seamlessly integrate into Air Caraïbes existing fleet thanks to Airbus' unique fleet commonality and provide the airline with additional flexibility. In total, Groupe Dubreuil has three A350-1000s on order. Air Caraïbes' A350-1000 aircraft are configured in a three-class layout with 429 seats (24 "Madras" Business, 45 in "Caraïbes" Premium Economy and 360 in "Soleil" Economy). All A350 XWBs are equipped with a quiet and comfortable Airspace cabin with a new lighting system, which strengthens the sense of passenger wellbeing and relaxation on long-haul flights.

## Air Kiribati is launch operator for E190-E2 jet in Asia Pacific

Air Kiribati, the flag carrier of the Republic of Kiribati, has received its first E190-E2 jet. Embraer has signed the contract with the Government of Kiribati, in partnership with its national airline, Air Kiribati, in December 2018. The airline has ordered two E190-E2s and has purchase rights for two more. Air Kiribati is the launch operator for the E190-E2 in Asia Pacific. The aircraft will be configured in a dual class layout seating 92 passengers in total, with 12 seats in business class and 80 seats in economy class. Located in the central Pacific, Air Kiribati can now fly longer domestic and international routes than it currently does with its turboprop fleet.



Air Kiribati E190-E2 jet

Photo: Embraer

## Eirtech secures redelivery contract with SAS Scandinavian Airlines



Scandinavian Airlines

Photo: Eirtech

Eirtech has contracted with SAS Scandinavian Airlines for Phase II End of Lease Redelivery Program. The first phase of the program for which Eirtech managed the redelivery of a significant volume of aircraft to multiple lessors, has commenced in 2015 and has concluded at the end of 2019. Phase II of the program will begin in January 2020 and runs to the end of 2023.



## MRO & PRODUCTION NEWS

### N3 Engine Overhaul Services delivers first overhauled Rolls-Royce Trent XWB engine

N3 Engine Overhaul Services (N3), a Rolls-Royce and Lufthansa Technik joint venture, has overhauled its first Rolls-Royce Trent XWB engine, which belongs to Munich-based Deutsche Lufthansa airline's fleet of A350 aircraft. With the delivery, N3 is permanently adding a fourth engine type to its future portfolio – namely the most state-of-the-art Rolls-Royce engine currently in use, the Trent XWB (A350). So far, the repair and overhaul company has only serviced the Rolls-Royce Trent 500 (A340), Trent 700 (A330) and Trent 900 (A380) engines. The Rolls-Royce Trent XWB engine will have a considerable impact on N3's business in the next few years. Due to its efficiency and reliability, the Airbus A350 aircraft, which is powered by the Trent XWB engine, is currently the most rapidly selling wide-body aircraft. It is becoming increasingly popular with airlines all over the world.

### IAE Engine Center Field Services receives FAA Part-145 Repair Station certification

IAE Engine Center Field Services (IAEFS) has been certified by the Federal Aviation Administration (FAA) as an FAA Part 145 Repair Station (Air Agency Certificate No. 21GR621D). The limited airframe and powerplant ratings, received December 6th, means IAEFS has been authorized by the FAA to perform maintenance, inspection and repair on CFM56 series, CF6 series, CF34 series, and GE90 engines. It also includes engine on wing maintenance on Boeing 737-series, 747-series, 757-series, 767-series, 777-series; Airbus 300/310 and 318/319/320/321; McDonnell Douglas DC10/MD10/MD11; Canadair Regional Jet 100/200/700/900 and CL-601/604; and Embraer 170/175 series and 190 series airframes.

### First Embraer Praetor 500 business jet delivered to launch customer Flexjet



Photo: Embraer Praetor 500 business jet

Embraer has delivered its first Praetor 500 business jet to the market, just over one year after its announcement at the 2018 National Business Aviation Association's Business Aviation Convention and Exhibition (NBAA-BACE), alongside the Praetor 600, both of which have received triple certification from ANAC, the FAA, and EASA. The first Praetor 500 was delivered to Flexjet, a global leader in private jet travel, which is introducing the aircraft into its fractional fleet through a purchase agreement with Embraer, announced at NBAA-BACE 2019. The deal is valued at up to US\$1.4 billion, at current list prices, and comprises a fleet of Embraer business jets. With this order, which includes the Phenom 300 light jet and the recently certified Praetor 500 and Praetor 600 jets, Flexjet became the Praetor fleet launch customer.



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## FINANCIAL NEWS

### Latécoère to acquire Bombardier's electrical wiring interconnection system business in Querétaro

Latécoère and Bombardier have announced that the companies have entered into a definitive agreement, whereby Latécoère will acquire Bombardier's electrical wiring interconnection system (EWIS) assets in Querétaro, Mexico. The two companies also concluded a long-term supply agreement that will see Latécoère supply Bombardier with electrical wiring interconnection systems. Approximately 700 skilled employees are dedicated to the manufacture of EWIS at Bombardier's facility in Querétaro. Under the long-term supply agreement, Latécoère will continue to supply the EWIS for all Bombardier Aviation platforms, including Global, Challenger and Learjet aircraft from the current location to support Bombardier's requirements. The annual turnover of the business is anticipated to be around US\$80 million. The transaction is subject to customary conditions and approvals and is expected to close in the first half of 2020.

### DAE repurchases US\$450 million of common shares

Dubai Aerospace Enterprise (DAE) has repurchased outstanding common shares worth US\$450 million. DAE also announced that it had received US\$450 million in connection with the early partial repayment of a Note Receivable from certain shareholders. DAE Capital has an owned, managed, and committed to own and manage fleet of approximately 410 Airbus, ATR and Boeing aircraft with a fleet value exceeding US\$15.5 billion.

## MILITARY AND DEFENCE

### Boeing to deliver AH-64E Apache helicopters to three allied countries

Boeing and the U.S. Army have finalized orders from three nations to provide their armed forces with the new, more capable AH-64E Apache model. The contracts are for the remanufacture of 47 existing AH-64D Apaches. The total combined value of the orders is more than US\$560 million. Sixteen countries currently field the Apache. AH-64 Apaches have flown 4.6 million flight hours, including more than one million flight hours in combat. The remanufactured aircraft will be delivered in the early 2020s.

### Austrian Airlines signs Slot Reservation agreement with Magnetic MRO

Magnetic MRO, a Total Technical Care and asset management organization, has signed a Slot Reservation Agreement with Austrian Airlines. By this agreement, Austrian Airlines is booking two nose-to-tail slots during the winter maintenance season and it will be valid for three years during winter seasons from 2020 until 2023. Austrian Airlines has been using Magnetic MRO services since 2005 when the base maintenance services were provided for Boeing 737-800 aircraft. Since 2013, Magnetic started servicing Austrian Airline's Airbus 320 family aircraft. By the end of 2019, a total of 60 Austrian Airline's aircraft has been successfully serviced at Tallinn facility.



Photo: Magnetic MRO and Austrian Airlines

### LATAM selects Donecle's automated drone for aircraft inspections



Photo: Latam Airlines Group will use Donecle's automated drone solution

LATAM Airlines Group has decided to use Donecle's automated drone solution to improve the efficiency and reliability of aircraft visual inspections during base maintenance for their A320 fleet. The solution will help optimizing maintenance activities, increase workers' safety and improve traceability of inspections. – LATAM is Donecle's first customer in Latin America. Following a successful 3-month trial period, LATAM decided to integrate Donecle's solution in its São Carlos site, one of the company's main base maintenance sites. The drone will be used for visual inspections during heavy checks.



## INFORMATION TECHNOLOGY



Photo: Pattonair office

**Global aerospace** and defense supply chain specialist **Pattonair** has joined forces with two innovative companies to win EU funding for a ground-breaking technology venture. The Derby-based firm is working with complex part machining specialists Advanced Manufacturing Ltd (AML) and technology start-up Parts Pedigree to create a digital cloud-based service for the aerospace industry. The pioneering Parts Pedigree digital platform will help to minimize the loss of millions of pounds that parts manufacturers and customers endure every year through outdated paper-based tracking systems. Using blockchain technology to notarize part certificates, the platform will allow businesses to track and view aviation parts and the related paperwork throughout its supply chain. As well as providing a digital mechanism to record processes such as goods receipt and dispatch, the

project will be able to associate manufacturing and certification events with each component produced. It is these multi-layers of innovation embedded within the project that secured the €120,000 grant from the EU's Internet of Things (IoT) Commission which provides crucial funding to organizations looking to bring pioneering digital solutions to market. The joint proposal scored an impressive 13.5 out of 15. Earmarked as the 'supply chain of the future', the venture is set to bring a wide range of benefits to both suppliers and customers through greater visibility into the manufacturing and certification processes. Pattonair CEO Wayne Hollinshead explained: "For some time the aerospace industry has needed a shared approach to the documentation of the critical parts it uses. While some companies were working from paper, others may have made the move to digital, but across different systems. Having to navigate this path increased the risk of costly delays, quality issues and ultimately unhappy customers and their suppliers. We expect to see a tenfold efficiency improvement with the introduction of this new system. It will play a huge role in our commitment to keeping the world flying." Customers will be able to track where parts are, their status and be able to view the complete audit trail of related paperwork, which is crucial to track the lifetime of every single part. In future, the data provided will help with parts forecasting, supply chain risk prediction and will ultimately deliver a better service. "There's an enormous amount of paperwork attached to aircraft parts," said Tristan Whitehead, former Deloitte aerospace partner and founder and CEO of Parts Pedigree, based in Derby.

## OTHER NEWS

**American Airlines** has launched a reciprocal codeshare agreement with Morocco's largest airline, **Royal Air Maroc**, to add new options for travel to Morocco starting Dec. 26. American's customers will be able to purchase select Royal Air Maroc flights to Casablanca, Morocco (CMN), which will provide seamless connecting service to Marrakech, Morocco (RAK). The codeshare will expand to additional cities across the African continent in early 2020. "Royal Air Maroc is a premier African carrier and their hub in Casablanca is perfectly situated to offer our customers convenient connections between North America and over 40 destinations throughout Africa," said Vasu Raja, American's Senior Vice President of Network Strategy.

Offering its guests the opportunity to fly directly to 126 countries from Istanbul, **Turkish Airlines** added Xi'an, the Chinese city with three thousand years of history, to its flight network on December 30. Xi'an became the carrier's fourth destination in Mainland China and the 318th destination in the world. The flights will be operated three times a week with Airbus A330 aircraft. Starting its flights to the People's Republic of China back in 1999 with Beijing as its destination, Turkish Airlines reinforced its strong position in Asia with the Xi'an flights. With this new addition, the global carrier's flight network encompassed the entirety of the historical Silk Road that started in Xi'an and ended in Venice.



Photo: Turkish Airlines celebrates the addition of Xi'an to its flight network

## OTHER NEWS

"With Royal Air Maroc's upcoming entry into the oneworld® alliance and our recently announced service between Philadelphia and Casablanca, we are committed to creating more opportunities for our customers to visit unique destinations in Africa."

On Friday, December 27, a **Bek Air** aircraft – identified as a Fokker-100, a medium-sized, twin-turboprop jet airliner – has crashed when it lost altitude just after it had taken off at 7:22 a.m. from Almaty International Airport, in Kazakhstan. Of the 93 passengers and five crew on board, 12 were killed, while a further 49 were hospitalized, many with very serious injuries. According to Roman Sklyar, Kazakhstan's deputy prime minister, the aircraft's tail hit the runway twice during take-off. "A commission ... will establish whether this was pilot error or technical issues. The runway was in an ideal condition," he added. The plane was flying from Almaty, Kazakhstan's largest city and former capital, to Nur-Sultan, the country's capital formally known as Astana. "Those responsible will face tough punishment in accordance with the law," Kazakh President Kassym-Jomart Tokayev tweeted, expressing condolences to the victims and their families. Tokayev has also ordered an audit of all Kazakh airlines. According to the Kazakh government, the Fokker 100 was built in 1996, while its most recent flight certificate was issued in May 2019.

## INDUSTRY PEOPLE



Todd Navin

- HAECO Americas, a wholly owned subsidiary of the HAECO Group, has reported that **Todd Navin** has joined the company as Chief Financial Officer. Navin's career in aerospace industry

finance began more than 27 years ago when he joined the Rolls-Royce Energy sector as a recent college graduate. He subsequently served in a variety of operational and customer-facing financial management roles over more than two decades. Navin later moved to Rolls-Royce Civil Aerospace where he joined the company's Hong Kong Aero

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Engine Services Limited (HAESL) joint venture as General Manager Finance and Administration. In 2016, he returned to the United States and was named Vice President Finance for Rolls-Royce North America.

- Following the 737 MAX disaster, Boeing confirmed that **Dennis A. Muilenburg** has resigned from his positions as Chief Executive Officer and Board director effective immediately. Boeing Chief Financial Officer **Greg Smith** will serve as interim CEO during the brief transition period. Boeing's Board of Directors has named current Chairman, **David L. Calhoun**, as Chief Executive Officer and President, effective January 13, 2020. Calhoun will remain a member of the Board. In addition, Board member **Lawrence W. Kellner** will become non-executive Chairman of the Board effective immediately. The Board of Directors have decided that a change in leadership was necessary to restore confidence in Boeing moving forward as it works to repair relationships with regulators, customers, and all other stakeholders. Under the new leadership, Boeing will operate with a renewed commitment to full transparency, including effective and proactive communication with the FAA, other global regulators and its customers.

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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	DVB Bank	CFM56-5B63	3586	2008	Q3/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A319-100	BBAM	CFM56-5B5/P	2129	2004	May 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A320-200	ORIX Aviation	CFM56-5B4/P	2584	2005	Q1/2021	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
A320-200	TrueAero Asset Management	V2527E-A5	5794		Nov 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5531		Oct 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5296		Aug 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5089		Jun 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	TrueAero Asset Management	V2527E-A5	5050		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A320-200	DVB Bank	V2527-A5	3734	2009	Q1/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-214	DVB Bank	CFM56-584/3	3767	2009	Q1/2021	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A320-232	DVB Bank	V2527-A5	2156	2005	Q1/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-200	DVB Bank	CF6-80E	814	2007	Q2/2020	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-200	GA Telesis	CF6-80E1A4	510	2002	Now	Sale	Mauro Francazi	aircraft@gatelesis.com	+1-954-676-3111
A330-200	Presidio Aircraft Leasing	CF6-80E1A3	871	2007	Now	Lease	Stephen Haire	shaire@aelfinc.com	+1 312 772 1613
A330-200	TrueAero Asset Management	CF6-80E1A4/B	882		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-200	TrueAero Asset Management	CF6-80E1A4/B	901		Apr 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-200	TrueAero Asset Management	CF6-80E1A4/B	932		May 2020	Lease	Ed Kokoszka	ekokoszka@trueaero.com	+1 772.663.2797
A330-223	Presidio Aircraft Leasing	PW4168A	970	2008	Now	Lease	Stephen Haire	shaire@aelfinc.com	+1 3127721613
A330-300	BBAM	Trent 772B-60	1544	2014	Jul 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A330-300	BBAM	Trent 772B-60	1562	2014	Sep 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
A330-300	DVB Bank	Trent 772B-60	1485	2014	Q1/2020	Sale / Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
A330-300	DVB Bank	Trent 772B-60	1146	2010	soon	Lease	Jonathan Louch	aircraftsales@dvbbank.com	+44 207 256 4449
737-700	BBAM	CFM56-7B22	34295	2005	Mar 2020	Sale / Lease	Steve Zissis	info@bbam.com	+1 415 486 6100
B737-700	Kellstrom Aerospace	CFM56-7B26	28210	1998	Now	Sale	Michael Garcia	info@kellstromaerospace.com	+1 (847) 233-5800
B737-800	ORIX Aviation	CFM56-7B26E	38034	2012	Q4/2020	Sale / Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 86 335 0004
B737-800	ORIX Aviation	CFM56-7B26	34153	2005	Q1/2021	Sale / 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
B757-223 (7x)	Jetran	RB211-535E4B	various	91/92	Now	Lease	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
(2) B787-800	Willis Lease	CFM56-7			soon	Sale / Lease	Nick Pittler	willisassetsales@willislease.com	+1 (415) 408-4775

## Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
CRJ-200LR	Regional One	CF34-3B1	8062	2006	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10205	2005	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
D0328 Jet	Regional One	PW306B	3185	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164
Do328-100	Jetran	PW119B	3049	1996	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
Do328-110	Jetran	PW119B	3024	1994	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
Do328-110	Jetran	PW119B	3034	1995	Now	Sale	Nick Blowers	blowers@jetran.aero	+1 (210) 269 3471
ERJ-170LR	AerFin	CF34-8E	1700155		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
ERJ170-100LR	Regional One	CF34-8E5	17000123	2006	Nov 2019	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	+1(305) 759-0670 Ext.164

Engine Lease Finance

RegionalOne



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# THE AIRCRAFT AND ENGINE MARKETPLACE

## Regional Jet / Turboprop Aircraft (cont.)

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
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

## Commercial Engines

Multiple Types	Sale / Lease	Company	Contact	Email	Phone
Multiple Engines GE / CFM / RB211	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
AE3007 Engines	Sale / Lease	Company	Contact	Email	Phone
(3) AE3007A1P	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
(1) AE3007A1	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
CF34 Engines	Sale / Lease	Company	Contact	Email	Phone
CF34-8E5	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 - Sale				
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				
(3) CF34-10E	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) CF34-8E5A1	Jan 2020 - Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204x202
(1) CF34-8C5A1	Jan 2020 - Lease				
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CF34-10E7	Now - Lease				
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
CF6 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) CF6-80C2B6F	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(1) CF6-80C2B1F	Now - Sale / Lease				
(1) CF6-80C2B7F	Now - Sale / Lease				
(1) CF6-80E1A4	Now - Sale / Lease				
(1) CF6-80C2A8	Now - Sale / Lease	ULS Airlines Cargo	Cem AKIN	cem.akin@ulsairlines.com	+90 212 496 0202
(1) CF6-80C2A8	Feb 2020 - Sale / Lease				
(1) CF6-80C2B1F	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
CFM Engines	Sale / Lease	Company	Contact	Email	Phone
(2) CFM56-5B (all thrust levels)	Now - Sale / Lease	Contrail Aviation	Kevin Milligan	kevin@contrail.com	+1 949-933-0797
(2) CFM56-7B (all thrust levels)					
(3) CFM56-7B24/3	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) CFM56-5B4/3	Now - Lease				
(1) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B4/P	Now - Lease				
(1) CFM56-7B22/3	Now - Lease				
(1) CFM56-7B27/B3	Now - Lease				



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# THE AIRCRAFT AND ENGINE MARKETPLACE

## Commercial Engines (cont.)

(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-5B3/3	Now - Lease	Rolls-Royce & Partners Finance	Charlie Ferguson	charlie.ferguson@rolls-royce.com	+44-(0)7772224895
(2) CFM56-7B22	Now - Lease	CFM Materials	Jimmy Hill	jimmy.hill@cfmmaterials.com	+1 -214-988-6670
(1) CFM56-7B26/3	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/E	Now - Lease				
(1) CFM56-5B3/3	Now - Lease				
(1) CFM56-5B4/3	Now - Lease				
(2) CFM56-7B22	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(2) CFM56-5B6	Now - Sale / Lease				
(2) CFM56-5B4/P	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
(2) CFM56-7B26/27	Now - Lease	Magellan Aviation Group	Bill Poly	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(2) CFM56-5B6/P	Now - Lease				
(1) CFM56-5B4/P	Now - Lease				
<b>JT8D and JT9D Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) JT8D-219	Now - Sale	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
<b>GE90 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) GE90-115B	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(2) GE90-115	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
<b>GENx Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) GENx1B74/75 Propulsor	Jan 2020 - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
<b>LEAP Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) LEAP-1B28	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) LEAP-1A33	Feb 2020 - Lease				
(1) LEAP-1A32	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) LEAP1A-32	Now - Lease	Rolls-Royce & Partners Finance	Charlie Ferguson	charlie.ferguson@rolls-royce.com	+44-(0)7772224895
<b>PW 4000 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) PW4056-1C	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
<b>PW Small Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(3) PW121	Now - Sale / Lease	Magellan Aviation Group	Bill Poly	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) PW123B/E	Now - Sale / Lease				
(3) PW127E/F/M	Now - Sale / Lease				
(1) PW150A	Now - Sale / Lease				
(2) PW123	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	leasing@willislease.com	+1 (561) 349-8950
(1) PW127F	Now - Sale/Lease/Exch.				
(1) PW150A	Now - Sale/Lease/Exch.				
(3) PW127M	Now - Sale/Lease/Exch.				
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease				
PW124B	Now - Lease				
PW123B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW150A	Now - Lease				
PW127M	Now - Lease				
PW150A RGB	Now - Lease				
(1) PW124B	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(2) PW127E/F	Now - Sale/Lease/Exch.		Remi Kry	rkry@logix.aero	+33.6.2079.1039
(4) PW127M	Now - Sale/Lease/Exch.				
(1) PW118	Now - Lease / Exchange				
(1) PW118A	Now - Lease / Exchange				
(1) PW119B	Now - Lease / Exchange				
(1) PW121	Now - Lease / Exchange				
(1) PW121A	Now - Lease / Exchange				
(1) PW125B	Now - Lease / Exchange				
(1) PW120 / PW121	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610

# THE AIRCRAFT AND ENGINE MARKETPLACE

## Commercial Engines (cont.)

PW Small Engines	Sale / Lease	Company	Contact	Email	Phone
(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
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(1) Trent 772B	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) V2533-A5	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Ben Ferguson	Benjamin.ferguson@rolls-royce.com	+44 7807 969 372
(2) V2533-A5	Now - Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
(1) V2527-A5	Now - Lease				
(2) V2527-A5	Jan 2020 - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) V2527-A5	Now - Sale / Lease	GA Telesis	Eddo Wiejer	ewiejer@gatelesis.com	+1-954-676-3111
(1) V2533-A5	Now - Lease	TrueAero Asset Management	Ed Kokoszka	ekokoszka@trueaero.com	+1 772 925 8032
(1) V2527-A5	Now - Lease				

## Aircraft and Engine Parts, Components and Misc. Equipment

Description		Company	Contact	Email	Phone
(1) A320-200 Landing Gear	Now - Sale/Lease/Exch.	TrueAero, LLC	Matt Parker	mparker@trueaero.com	+1 469-607-6110
A340-300/A330 Landing Gear	Now - Sale/Lease/Exch.				
A340-600 Landing Gear	Now - Sale/Lease/Exch.				
B777-200 Landing Gear	Now - Sale/Lease/Exch.				
Trent 552 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
Trent 892 Inlet Cowls and Fan Cowls	Now - Sale/Lease/Exch.				
CFM56-5B Inlet Cowls and Fan Cowls	Now - Sale/Lease/Exch.				
V2500-A5 Inlet Cowls & Fan Cowls	Now - Sale/Lease/Exch.				
CF6-80E Trust Reversers, Inlets & Fan Cowls	Now - Sale/Lease/Exch.				
APUs (2) APS2300	Now - Sale/Lease/Exch.				
APUs (2) GTC331-500B, (1) APS3200	Now - Sale/Lease/Exch.				
Neutral CFM56-7B QEC Kit	Q4/2019 - Sale	CFM Materials	Michael Arellano	Michael.Arellano@cfmmaterials.com	+1-214-988-6676
767-300ER 413K, 737-300 LANDING GEAR	Now - Sale/Lease/Exch.	AZURE RESOURCES INC.	Jeff Young	jeff@azureres.com	1-954-249-7935
GTC331-200, GTC331-250	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
Neutral V2500-A5 QEC Kits (2) 745K9001-64	Q3+Q4/2019 - Sale	ASI Aero	Dean Morgan	deanm@asiaero.net	+1 561-771-4253
(1) GTC331-9B	Now - Sale / Lease	DASI	Chris Glascock	Chris.Glascock@dasi.com	+1 954-801-3592
(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					
(4) GTC331-9A, (1) GTC331-9B, (1) GTC331-350		GA Telesis		apu@gatelesis.com	+1-954-676-3111
(1) GTC331-200ER, (3) GTC331-500, (1) PW901A					
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, APS5000			Rich Lewsley	rlawsley@logix.aero	+1 602 517 8210
APS3200, APS2300, GTC331-129H					
(1) APU GTC331-500, (1) APU GTC331-9B	Now - Sale / Lease	Willis Lease	Jennifer Merriam	leasing@willislease.com	+1 (561) 349-8950
Engine stands now available	Now - Lease				
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368