

AviTRADER WEEKLY AVIATION HEADLINES

Read by thousands of aviation professionals and technical decision-makers every week

www.avitrader.com

WORLD NEWS

A350 closes Paris Air Show

The doors were preparing to close on the 2013 Paris Air Show, the 50th edition of the event, after a successful fly-by on the Friday afternoon of Airbus' new A350, which was making its third-ever flight after taking to the air for the first time the previous week. François Hollande, the French president, brought added publicity when he arrived at the airshow's Le Bourget base in an Airbus A400M military airlifter to witness the flight.

'Best-ever' Paris for ATR

ATR, the French-Italian aircraft manufacturer, reported that it had its 'best-ever' Paris Air Show last week, as it posted orders for 173 planes, including 83 firm orders, worth an overall total of more than \$4.1bn. Its landmark order came from Nordic Aviation Capital, which booked orders and options for 91 ATR 72-600s, while rival lessor ALC purchased five of the model. Over the past five years, ATR has seen nearly 110 firm orders from lessors, and its ATR-600s represent 75% of all purchases for regional aircraft under 90 seats since 2010.

Lessors splash out in Paris

Leasing companies placed nearly half of all commercial jet orders in Paris as airlines increasingly look to minimise risk and modernise their fleets. Airbus, Boeing and Embraer booked \$19bn in orders from lessors on the first day alone of the show. According to John Plueger, COO of Air Lease Corp, lessors account for around 40% of all commercial aircraft purchases now, with that share expected to reach half of the market by 2016.



Airbus posted nearly \$70bn in aircraft orders and commitments at its 'home' show, capping a successful week with a flyby of its all-new A350XWB

Airbus

Paris Air Show defies the times with \$150bn order book All-new composite widebodies steal show as focus moves to capacity

The 2013 Paris Air Show defied ongoing financial uncertainty in Europe and signs of increasing turmoil in the Chinese economy to more than double the value of orders posted at last year's major airshow, at Farnborough in the UK. Total new commercial aircraft orders and commitments were set at over \$150bn.

Boeing and Airbus together received orders worth a combined total of more than \$135bn, well up on the \$110bn posted two years ago in Paris. The 2011 total was driven in large part by the 667 orders taken for Airbus' A320neo, the re-engined version of the A320 narrowbody jet.

Airbus came out ahead again this year, as was expected on its home turf, with 466 orders and options worth \$68.7bn. Boeing was not far behind, with over \$66bn in orders, including a massive \$15.6bn firm order from Irish budget carrier Ryanair for 175 737MAX aircraft.

2011 was the year of the single-aisle, while this year's gains were

BIG BUSINESS AT THE PARIS AIR SHOW

Manufacturer	Total Orders & Options	Value
Airbus	241 firm orders; 225 MOUs	\$68.7bn ¹
Boeing	442, including 102 for 787-10	\$66.0bn ¹
Embraer	300+ orders and options	\$5.29bn
Bombardier	42 firm orders; 20 options	\$1.72bn
Rolls-Royce	Engines/services from 7 customers	\$4.74bn
GE Aviation/ j/v partners ²	Engines + OnPoint services	\$26.50bn
Pratt & Whitney ³	More than 1,000 engine orders	n/a

¹Includes options; ²CFM International (GE/Snecma); ³Includes PurePower engines developed with MTU Aero Engines Companies

All values are at list prices

driven by increased interest in the new generation of widebody jets. The stars of this year's Show were without doubt Boeing and Airbus' all-new carbon composite twin-aisles, which are expected to bring in some \$1 trillion in sales over the next two decades.

In Paris, Boeing presented the 'stretch' version of its 787 Dreamliner, the 787-10, which can hold up to 323 passengers. Five airlines and lessors booked 102 provisional orders worth some \$30bn.

Airbus, meanwhile, fresh off the successful maiden flight of the A350XWB, won nearly 70 new orders and commitments worth some \$33bn for the model, capping off a heady week with the much-anticipated A350 fly-by.

Brazil's Embraer has done well in avoiding the head-to-head race with Airbus and Boeing by revamping its E-series regional jets. The launch of the new E2 family helped Embraer post its 'best show in 10 years', bringing in some \$5.29bn in firm orders.



Reliance Aircraft
INTERNATIONAL

Terry Hix | thix@relianceaircraft.com | (512) 439-6988 | Austin, TX

Aircraft Parts Aftermarket Sales and Purchasing
Aircraft Disassembly Consulting
Aircraft Parts Consignment

INVENTORY FROM TEARDOWNS
A300-600, A310, A320,
737-400/500/700/800, 757, 767, MD82

The Power Lies Under the Surface



Financial Solutions
Component Solutions
Supply-Chain Solutions
Maintenance Solutions

What you see on the surface is just the tip of the iceberg. What lies beneath is a powerful organization committed to providing solutions to the aerospace industry that impact the bottom line.

www.gatelesisis.com



AIRCRAFT & ENGINE NEWS

AIRBUS

Doric Lease Corp signs landmark agreement for 20 A380s

Doric Lease Corp signed a Memorandum of Understanding (MoU) for the purchase of 20 A380s at the 50th Le Bourget Airshow. With this investment, Doric will offer a tailored A380 leasing solution and will make the aircraft even more accessible to both new and existing A380 operators around the world who prefer to opt for the flexibility of an operating lease. Doric already has significant experience with the A380, ranking as the third largest wide-body lessor worldwide by value, and the world's largest asset manager of leased A380s. Doric has a six \$6bn aircraft portfolio under management, including 18 A380s acquired through sale-leaseback arrangements.

Spirit Airlines orders 20 new Airbus A321 aircraft

Spirit Airlines and Airbus entered into an agreement for the firm order of 20 Airbus A321 aircraft. These aircraft are in addition to the 96 aircraft not yet delivered under Spirit's existing order and will be scheduled for delivery between 2015 and 2017. In addition, Spirit has opted to convert 10 of its existing A320 aircraft orders to A321 aircraft that will be scheduled for delivery in 2017 and 2018. These 10 A321s as well as the additional 20 will be current engine option (ceo) models and will be outfitted with fuel-saving Sharklets.

Hong Kong Aviation Capital signs for 60 A320neo Family aircraft

Hong Kong Aviation Capital signed a Memorandum of Understanding (MoU) with Airbus for the purchase of 40 A320neo and 20 A321neo aircraft. The agreement was signed at the Paris Air Show by Donal Boylan, CEO of HKAC and John Leahy, Airbus Chief Operating Officer, Customers.

Lufthansa firms up order for 100 A320 Family aircraft

The Lufthansa Group firmed up a previous Supervisory Board decision from March this year and signed for 100 A320 Family aircraft (35 A320neo, 35 A321neo and 30 A320ceo with Sharklets) at the Paris International Airshow in Le Bourget, France. The Lufthansa Group has been operating the A320 Family since October 1989. They were the launching customer for the A321 and belonged to the first operators of the A319 and A320. The new order confirms Lufthansa's leading position as the largest Airbus airline customer

AIRBUS AT THE PARIS AIR SHOW - SELECTED ORDERS

Customer	Orders and options	Total value*
Singapore Airlines	A350-900: 30 firm; 20 options	\$14.4bn
Air France-KLM	A350-900: 25 firm; 25 options	\$14.4bn
Doric Lease Corp	A380: MOU for 20	\$8.08bn
United Airlines	A350-1000: 10 firm	\$3.32bn
SriLankan Airlines	A330-300: MOU for 6; A350-900s: MOU for 4	\$2.60bn
Lufthansa	A320 family, including A320neo: 100 firm	\$10.4bn
Hong Kong Aviation Capital	A320neo family: 60 firm	\$6.36bn
ILFC	A320neo family: 50 firm	\$5.01bn
Spirit Airlines	A321: 20 firm	\$2.15bn

*List prices

Companies

Airbus announces new orders and commitments for A350 aircraft

- **United Airlines** announced an order with Airbus for new A350-1000 aircraft. The agreement converts United's existing order for 25 A350-900s into A350-1000s and adds 10 firm orders for A350-1000s, giving the airline a total order of 35 aircraft. The increased seating capacity of the A350-1000 will enable United to replace older, less efficient aircraft currently serving long-range, high-demand markets. United expects delivery starting in 2018.

- The **Air France-KLM Group** finalized a firm contract for 25 A350-900 aircraft and for a further 25 options. These aircraft will become an essential element in the Group's future fleet strategy

- **SriLankan Airlines** signed an MoU (memorandum of understanding) for six A330-300s and four A350-900s. The airline, an all Airbus operator, has chosen the highly reliable A330 and the latest generation A350 XWB aircraft as part of its long-haul fleet renewal.

- **Singapore Airlines** (SIA) increased its orders for the A350 XWB with an additional 30 A350-900s, plus options for a further 20 aircraft. The agreement firms up a commitment announced last month. Under the terms of the agreement, Singapore Airlines will be able to select either the baseline A350-900 or the larger A350-1000 when exercising the options.



SriLankan, new operator of the Airbus A350-900 Airbus

and operator in Europe, increasing its order for the A320 type to 299. Over 150 of these aircraft have already been delivered.

EasyJet sets sights on Airbus A320neo for future fleet development

After a thorough technical evaluation, easyJet has earmarked the Airbus A320neo for its future fleet requirements. Based on the company's growth forecasts, the A320 was selected for offering the best productivity, lowest operating cost and best fuel efficiency of any single aisle aircraft in the 180 seat sector. Currently easyJet operates a fleet largely based on the smaller A319 seating 156 passengers. Subject to shareholder approval, easyJet has identified a future need for 100 A320neo aircraft. These will be preceded by 35 A320ceo

aircraft equipped with Sharklets. Of the 135 aircraft, 85 will be for replacement.

ILFC exercises options for 50 incremental Airbus A320neo family aircraft

International Lease Finance Corporation exercised options to purchase 50 incremental A320neo Family aircraft from Airbus that were part of the agreement signed in April 2011 for 100 firm A320neo Family aircraft. Deliveries of ILFC's NEO aircraft are expected to commence in 2015.

Aerolíneas Argentinas agrees to lease four Airbus A330-200s from ILFC

ILFC signed an agreement to add four A330-200 widebody aircraft to the Aerolíneas Argentinas (Aerolíneas) fleet this year. The

four previously operated aircraft will be completely modernized with new cabin interiors including state-of-the-art Inflight Entertainment options available in every seat. Deliveries of the aircraft are scheduled to take place later this year.

Tunisia's Syphax Airlines orders the A320neo and the A320ceo

Syphax Airlines, a new Tunisian based airline, signed a memorandum of understanding (MoU) to buy three A320neo. The order is the first time an African based carrier has ordered the NEO and marks a significant

breakthrough for Airbus in one of the world's fastest developing markets. Syphax have also ordered three A320ceo aircraft. The aircraft will be powered by CFM engines.

Apollo Aviation Group contracts for \$220m in acquisitions in 2013

Apollo Aviation Group, an international full service aviation asset manager, contracted to acquire flight equipment valued at more than \$220m in the first five months of 2013, including two A320 CEO family aircraft, one A330-200, one A330-300, seven B737NGs, and seven engines. Ten of these aircraft are

on lease to airlines in Asia, Europe and North America. As of May 31, 2013, Apollo Aviation managed a total of 76 leased aircraft and engines.

The acquisitions are all being made on behalf of SASOF II, which is an investment fund with approximately \$595m in capital commitments that seeks to acquire mid-life in-production aircraft models for lease or immediate disassembly and resale of the systems, components and parts. SASOF II is managed by wholly-owned subsidiaries of Apollo Aviation. As of May 31, 2013, SASOF II had committed to acquire a further 25 aircraft and 10 engines.

BOEING

Ryanair finalize order for 175 Next-Generation 737s

Boeing and Ryanair finalized a firm order for 175 Next-Generation 737-800 airplanes valued at \$15.6bn at list prices. The order, originally announced as a commitment in March, is Boeing's largest ever aircraft order from a European airline. Ryanair, which took delivery of its first 737-800 from Boeing in 1999, has the largest fleet of Boeing airplanes in Europe, operating over 1,600 flights per day from 57 bases on 1,600 routes across 29 countries, connecting more than 180 destinations.

Korean Air signs commitment to purchase 11 Boeing twin-aisle airplanes

Korean Air agreed to purchase five 747-8 Intercontinental airplanes and six 777-300ER (Extended Range) jetliners, valued at approximately \$3.6bn at current list prices. Korean Air chose the GE90-115B- engines to power six 777-300 ER and GEnx-2B engines to power five 747-8 Intercontinental airplanes. Boeing will work with Korean Air to finalize the order, at which time the order will be posted to Boeing's Orders & Deliveries website.

BOEING AT THE PARIS AIR SHOW - SELECTED ORDERS

Customer	Orders and options	Total value ¹
Air Lease Corporation	787-10X: MOU for 30	\$890m ²
GECAS	787-10X: MOU for 10	\$297m ²
United Airlines	787-10s: 20 firm	\$594m ²
Korean Air	747-8: MOU for 5; 777-300ER: MOU for 6	\$3.6bn
Qatar Airways	777-300ER: MOU for 9	\$2.8bn
Ryanair	737NG 800s: 175 firm	\$15.6bn
CIT	737 MAX-8s: 30 firm	\$3bn

¹List prices; ²Estimates

Companies

CIT orders 30 737 MAX 8s

Boeing and CIT Group announced from the 2013 Paris Air Show that CIT Aerospace placed an order for 30 737 MAX 8s. As of March 31, 2013, CIT owned or financed a fleet of approximately 350 commercial aircraft, including operating lease and financing agreements in place for 128 Boeing aircraft.

Boeing, Oman Air announce order for five Next-Generation 737s

Boeing and Oman Air announced an order for five Boeing Next-Generation 737-900ER airplanes at the 2013 Paris Air Show. The or-

der, previously unidentified on the Boeing Orders & Deliveries website, is valued at \$473m at current list prices. With this order, Oman Air becomes the first customer in the Arabian Gulf region to order 737-900ERs.

Travel Service signs contract for three 737 MAXs

Boeing and Travel Service signed an order for three 737 MAX 8s at the 2013 Paris Air Show, valued at \$301.5m at list prices. Boeing and Travel Service still have to finalize the details, at which time the order will be posted as a firm order to the Boeing Orders and Deliveries website.

Available Engines for Lease

www.willislease.com

CFM56-5B4/3

V2500-A1

ATR72-200

PW150A

CFM56-7B24/3

V2527-A5

ATR42-300

PW124B

CFM56-5C4

V2533-A5

PW4060

PW121 (Dash 8)

CFM56-7B24(NTI)

CF34-3B1

PW4168A

PW125B

QEC for V2500 (New)

CF34-8C5

PW121 (ATR)

PW127M

Contact Anne Lee @ +1.415.408.4769

 **Willis Lease**
Power to Spare – WorldwideSM

Qatar Airways buys up to nine Boeing 777-300ER

Qatar Airways signed an agreement to buy up to nine Boeing 777-300ER aircraft valued at \$2.8bn at list prices, the airline said at the Paris Airshow. Two of the aircraft on firm order will be delivered in early 2014, airline chief executive Akbar Al-Baker said. Options for the other seven are likely to be firmed up shortly after, and the delivery schedule will be decided then, he added.

Skymark Airlines intends to select the 737 MAX for fleet renewal program

Boeing and Tokyo-based Skymark Airlines announced the airline's intent to select the Boeing 737 MAX as its next generation single aisle aircraft of choice, making it Japan's first airline to do so. The announcement came on the first day of the 2013 Paris Air Show. Boeing will work closely with Skymark to finalize a firm order in the coming months.

Boeing accelerates first delivery of 737 MAX

Boeing released that first delivery of the 737 MAX 8 to launch customer Southwest Airlines, will be a quarter earlier than originally scheduled – in the third quarter of 2017 instead of fourth quarter. "Through our disciplined development on the 737 MAX program, the team has retired key technology risks," said Scott Fancher, vice president and general manager, Airplane Development, Boeing Commercial Airplanes, during a briefing at the 2013 Paris Air Show. "We have informed our customers and they are pleased they will be able to put these more fuel-efficient airplanes in their fleets sooner than planned." Since launch in August 2011, the 737 MAX team has worked to define the final configuration of the airplane including new LEAP-1B engines from CFM International, a redesigned tail cone and the Advanced Technology winglet. Testing in the wind tunnel and data analysis prove that the 737 MAX configuration, set to be final in July, will give customers a 13 percent fuel-burn improvement over today's most fuel efficient single-aisle airplanes.

FLY Leasing acquires two new Boeing 737-800s

FLY Leasing, a global lessor of modern commercial jet aircraft, acquired two Boeing 737-800 aircraft, both manufactured in

2013. The aircraft are on ten-year leases to leading carriers in the United States and in China. The acquisitions were financed with a combination of FLY's unrestricted cash and its aircraft acquisition facility.

BOEING DREAMLINER NEWS

Boeing launches 787-10 Dreamliner

Boeing announced at the 2013 Paris Air Show that it has launched the 787-10 Dreamliner, the third member of the super-efficient 787 family. Commitments for 102 airplanes from five customers across Europe, Asia and North America provide a strong foundation to support development and production of the newest Dreamliner. Customer launch commitments for the 787-10 include Air Lease Corporation, with 30 airplanes; GE Capital Aviation Services, with 10; International Airlines Group / British Airways, with 12 subject to shareholder approval; Singapore Airlines, with 30 and United Airlines, with 20 airplanes. The new 787-10 will fly up to 7,000 nautical miles (12,964 km) — covering more than 90% of the world's twin-aisle routes — with seating for 300-330 passengers, depending on an airline's configuration choices. The second member of the family, the 787-9, is in final assembly in Everett, Wash., and is set to make its first flight later this year. Design of the 787-10 has already started at Boeing, and international partners will be involved in detailed design in the months ahead. Final assembly and flight test of the 787-10 are set to begin in 2017, with first delivery targeted for 2018.

United Airlines becomes North American launch customer for Boeing 787-10

United Airlines increased its 787 Dreamliner order to 65 aircraft (including six previously delivered aircraft) with an order for 20 787-10s. United selected GENx-1B engines to power its order for 20 firm Boeing 787-10 Dreamliners and the remaining 15 firm

787 Dreamliners from a previous order. Delivery for the first aircraft is expected in 2018. United ordered 10 incremental 787-10 aircraft and will convert 10 existing 787s on order to 787-10s, enabling the airline to further modernize its international wide-body fleet by replacing older, less efficient aircraft. The advanced technology and composite construction of the 787 reduce fuel burn and carbon emissions, while providing a superior customer experience.

Boeing and Air Lease Corporation announce commitment for 30 787-10Xs

Boeing announced at the Paris Air Show a memorandum of understanding with Air Lease Corporation to purchase 33 airplanes. The Los Angeles-based leasing company has committed to order three 787-9 and 30 787-10X Dreamliners. Boeing looks forward to working with ALC to finalize the details of the agreement, at which time the airplanes will be posted to the Boeing Orders & Deliveries website as a firm order.

GECAS announces commitment for 10 787-10X Dreamliners

Capital Aviation Services (GECAS) and Boeing announced at the Paris Air Show a commitment to order 10 787-10X Dreamliners. "We have studied the capabilities Boeing is developing for the 787-10X and anticipate strong demand from our airline customers for this airplane," said GECAS President and CEO Norman C.T. Liu. "The 787-10X will be a perfect complement to our broad portfolio of modern, fuel-efficient aircraft offering the lowest operating costs in the market."



The 787-10 was successfully launched in Paris

Boeing

ATR

Air Lease Corporation orders five ATR 72-600s

Air Lease Corporation announced an agreement with ATR for the purchase of five ATR 72-600s. Air Lease Corporation has purchased ATRs every year since its first order for 10 aircraft at Farnborough in 2010, and this order will bring ALC's ATR fleet to 21 aircraft.

Nordic Aviation Capital places landmark order for 90 ATR -600s

The European turboprop manufacturer ATR and the Danish leasing company Nordic Aviation Capital (NAC) signed a historic agreement for the sale of 90 ATR -600s, including 35 firm orders (30 ATR 72-600s and 5 ATR 42-600s). The contract, including options, amounts to over \$2.1bn. NAC, which has signed several orders for new ATRs over the past three years, already has the largest fleet of ATRs in the world with over hundred aircraft. With the progressive arrival of the 30 additional ATR 72-600s and 5 ATR 42-600s into its fleet, NAC's ATR portfolio will exceed 150 aircraft by 2016.

BOMBARDIER

Arik Air inks firm order for CRJ100 regional jets and Q400 NextGen Turboprops

Bombardier Aerospace announced that Lagos-based Arik Air signed a firm contract to acquire three CRJ1000 NextGen aircraft and four Q400 NextGen turboprop airliners. Based on the list price of the CRJ1000 NextGen and Q400 NextGen aircraft, the contract announced today is valued at approximately \$297m. Arik is the first African airline to operate the CRJ100 NextGen aircraft.

Alaska Air Group orders three Bombardier Q400 NextGen Turboprops

Seattle-based Horizon Air signed a firm contract to acquire three 76-seat Bombardier Q400 NextGen turboprop airliners. The transaction represents the conversion of three previously booked options on the aircraft. The airline also reconfirmed its options on another seven Q400 NextGen aircraft. Based on the list price of the Q400 NextGen aircraft, the contract is valued at approximately \$98m.

Bombardier secures orders for 12 Global 8000 Business jets

Bombardier Aerospace received firm orders for 12 Global 8000 business jets from an un-

ATR, BOMBARDIER & EMBRAER AT THE PARIS AIR SHOW - SELECTED ORDERS

ATR		
Customer	Orders and options	Total value ¹
Nordic Aviation Capital	ATR-600: 35 firm; 55 options	\$2.1bn ²
BOMBARDIER		
VistaJet	Challenger 350s: 20 firm, 20 options	\$518m
Arik Air	CRJ1000: 3 firm; Q400: 4 firm	\$297m
EMBRAER		
SkyWest	E175-E2: 100 firm; Purchase rights for 100	\$9.36bn ^{2,3}
ILFC	E190-E2: LOI for 25; E195-E2: LOI for 25; Options for 50	\$5.2bn ^{2,3}
Conviasa	E190: 7 firm	\$224m ³

¹list prices; ²includes options; ³estimate

Companies

disclosed customer. The transaction is valued at approximately \$804m, based on the 2013 list price for typically equipped aircraft.

VistaJet places order for up to 40 Bombardier business jets

Bombardier announced that VistaJet placed firm orders for 20 Challenger 350 jets and options for an additional 20 Challenger 350 jets. The transaction for the firm aircraft order is valued at approximately \$518m based on 2013 list prices. If all the options are exercised, the total value of the order is approximately \$1.035bn, based on 2013 list prices.

EMBRAER

Embraer discloses firm order from JAL and India's Air Costa

Embraer disclosed a firm order from Japan Airlines (JAL) for another four EMBRAER 170 jets. The firm order is already included in Embraer's backlog as an "undisclosed" customer. With this new agreement, the total number of firm orders for the E170 from JAL is 15 aircraft. Embraer also signed an exten-

sion of the Pool Program with JAL to include these additional four aircraft. The program covers more than 300 part numbers for all E170 jets operated by J-AIR. Furthermore Air Costa of Vijayawada, India, has acquired three E-Jets for launch of its scheduled regional airline service in India. Two EMBRAER 170s have been arranged from ECC Leasing, Embraer's wholly-owned subsidiary. The new carrier has also purchased one new EMBRAER 190 from Embraer. The firm order is already included in Embraer's backlog as an "undisclosed" customer.

Finnair will lease out three Embraer 170 aircraft to Aeromexico Connect

Finnair signed a contract on the lease of three Embraer 170 aircraft to the Mexican airline Aeromexico Connect. All three aircraft are owned by Finnair. One of the aircraft was earlier leased out to Honeywell, and it will be delivered to Aeromexico Connect in June 2013. The two remaining aircraft will be delivered to Aeromexico Connect in June 2014, when their existing lease periods with Kenya Airways expire. The lease period for all three aircraft is six years. The lease agreement is a part of Finnair's €140m savings program. In the past few



Crowds wander among the displayed aircraft at the 2013 Paris Air Show

AirTeamImages

years Finnair has increased the efficiency of its fleet, for example, by leasing out some of its aircraft to third parties. At the same time it has increased the utilization of its aircraft and reached significant savings.

Conviasa confirms purchase of seven additional E190 jets

Embraer and Consorcio Venezolano de Industrias Aeronauticas y Servicios Aereos, S.A. (Conviasa), a Venezuelan airline, signed a contract for seven CF34-10E-powered EMBRAER 190 jets, exercising options from the original order released in July 2012, which provided for six firm orders and 14 options. The announcement was made during the 50th Paris Air Show, in France. Therefore, Conviasa now has a total of 13 firm orders for the E190 jet, besides options for another seven aircraft of the same model.

Air Lituania selects Embraer E-Jets

A new commercial airline in Europe, Air Lituania of Vilnius, Lithuania, acquired two Embraer E-Jets. The carrier will launch scheduled service on June 30th with one EMBRAER 170 leased from a third party. In July, Air Lituania will add another E-Jet, an EMBRAER 175, leased from ECC Leasing Company, a wholly-owned subsidiary of Embraer. The E170 and E175 are configured with 76 and 86 seats in single class, respectively. Air Lituania will deploy the aircraft on its planned routes between Vilnius and Brussels, Amsterdam, Berlin, Prague, Munich and Moscow. The airline intends to add three to four more aircraft to increase frequencies with the objective of serving a dozen European routes from Vilnius in three years.

SkyWest orders 100 new E-Jets E2 from Embraer as a launch customer

SkyWest and Embraer signed a firm order for 100 E175-E2 aircraft, with another 100 purchase rights, bringing the total potential of the order to 200 aircraft. The announcement was made on June 17th, at a press conference at the 50th International Paris Air Show. If all the orders are exercised, the contract has an estimated value, at list price, of \$9.36bn. This new contract is in addition to SkyWest's previous order in May 2013 for up to 200 current generation E175 aircraft, and therefore the potential order of E-Jets at SkyWest may reach 400 aircraft. As the first operator to order the E175-E2, SkyWest becomes the launch customer for that aircraft, one of three E-Jets E2 models. SkyWest, of St. George, Utah, USA, is the largest regional airline group in the world. It is the parent company of SkyWest Airlines and ExpressJet Airlines, both of which have been long time

Embraer launches "E2", the second generation of E-Jets

Embraer announced the launch of the second generation of its E-Jets family of commercial aircraft, named the E-Jets E2 and comprising three new airplanes – E175-E2, E190-E2, and E195-E2. The E190-E2 is expected to enter service in the first half of 2018. The E195-E2 is slated to enter service in 2019 and the E175-E2 in 2020. In a typical single-class layout, the E175-E2 was extended by one seat row, compared to the current generation E175, and will seat up to 88 passengers, while the E190-E2 keeps the same size as the E190, of up to 106 seats. The E195-E2, compared to the current E195, has grown three seat rows and will accommodate up to 132 seats.

"Our strategy is to offer all the benefits of a clean-sheet design, but with the reliability of a mature platform and commonality with current generation E-Jets," said Paulo Cesar Silva, President & CEO, Embraer Commercial Aviation, "We have been continually investing in the E-Jets program, so that our customers can stay competitive with aircraft that have the lowest operating costs and the highest passenger appeal, today and in the future. I'm confident that with our mature global support network, the compelling operating economics, and the benchmark cabins of the airplanes, both existing and prospective customers will recognize the benefits of the E-Jets E2."



Embraer's second generation E-Jet was unveiled in Paris

Embraer

The application of advanced technologies for engines, wings, and avionics distinguishes the E-Jets E2 by providing airlines with maximum efficiency gains and no compromises, while maintaining commonality with current E-Jets. New aerodynamically advanced, high-aspect ratio, distinctively shaped wings, improved systems and avionics, including 4th generation full fly-by-wire flight controls, and Pratt & Whitney's PurePower Geared Turbofan high by-pass ratio engines (PW1700G on the E175-E2, PW1900G on the E190-E2 and E195-E2) will result in double-digit reductions in fuel consumption, emissions, noise and maintenance costs, and increased aircraft availability. The E-Jets E2 will be capable of achieving similar costs per seat of larger re-engined narrowbody aircraft, with significantly lower costs per trip, thus creating new opportunities for lower risk development of new markets and fleet right-sizing by airlines.

operators of Embraer aircraft. More than 40 EMB 120 Brasilia turboprops continue to fly in the SkyWest Airlines network, primarily in the western states. ExpressJet Airlines operates 249 aircraft from the ERJ 145 family and has the largest ERJ fleet in the world.

ILFC intends to purchase 50 E-Jets E2 aircraft from Embraer

ILFC signed a letter of intent, subject to final agreement, for the purchase of 50 E-Jets E2 aircraft from Embraer, including 25 E190-E2 and 25 E195-E2. The deal also includes options for an additional 50 aircraft, and marks the introduction of the E-Jets Family to the company's diverse aircraft fleet. Deliveries of the new aircraft are expected to begin in January 2018 and complete in 2023. The E-Jets E2 are configured with new aerodynamically advanced wings, new engine, full fly-by-wire flight controls, and advancements in other systems, which will

result in double-digit improvements in fuel burn, maintenance costs, emissions, and external noise.

SUPERJET INTERNATIONAL

First SSJ100 delivered to Mexican Airline Interjet

SuperJet International (SJI) – joint venture between Alenia Aermacchi (a Finmeccanica Company) and Sukhoi Holding – announced the delivery of its first Sukhoi Superjet 100 (SSJ100) aircraft to the Mexican airline Interjet. With an order for 20 aircraft plus 10 options, Interjet is the first western customer to take delivery of the SSJ100. The aircraft has been presented for the first time at Le Bourget with its exclusive interior designed by Pininfarina in a 93-seats (34' pitch) configuration, in accordance with Interjet high standards for passenger comfort.

HELICOPTERS

Helipartner Thailand launches leasing activity with order for 10 Eurocopter AS350 B3e helicopters

Helipartner Thailand's order of 10 AS350 B3e highlights the effectiveness and capabilities of this Ecureuil family helicopter to meet the increasing demand for light helicopters in the ASEAN region. The acquisition of 10 Eurocopter enhanced high-performance AS350 B3e helicopters by Helipartner Thailand responds to increased demand for high-performance utility helicopters across ASEAN countries in support of aerial work operations and the management of natural resources.

Mitsubishi Corporation to acquire 11 S-76D helicopters from Sikorsky

Mitsubishi Corporation contracted with Sikorsky Aircraft, to acquire 11 S-76D helicopters for use in Search and Rescue (SAR) operations by the Japan Coast Guard (JCG). The new helicopters were ordered in three contracts that were finalized between Feb. 2012 and March 2013. The contracts are the largest series of orders to date in Asia for Sikorsky's newest commercial product.

HELICOPTERS AT THE PARIS AIR SHOW - SELECTED ORDERS

AGUSTA WESTLAND	
Customer	Orders and options
Lease Corp International	AW169: 3 firm; AW139: 5 firm; AW189: 2 firm
Era Group	AW189: 10 firm, plus options
OHI Group	AW139: 2 firm
EUROCOPTER	
Helipartner Thailand	A2350 B3e: 10 firm
SIKORSKY	
Mitsubishi Corp	S-76D: 11 firm

Companies

AgustaWestland signs multiple agreements on first day of Paris Air Show

- AgustaWestland, a Finmeccanica company, announced a further contract win with **Lease Corporation International** (LCI) for three AW169, five AW139 and two AW189 helicopters. The aircraft, ranging from the light intermediate AW169 to the medium AW189 and their precursor AW139, will be used by LCI's helicopter division to offer its customers modern aircraft ready for offshore transport, search and rescue, aero-medical transport and other missions.
- AgustaWestland announced that **Era Group** signed a contract for 10 AW189 helicopters plus options. This contract confirms and increases Era's commitment to the AW189 following the signing of a preliminary sales contract for five aircraft in July 2012. The aircraft will be used to perform long range offshore oil and gas transport missions.

- AgustaWestland signed an agreement with **Shanghai Zenisun Investment Group** of China which is expected to lead to the appointment of Shanghai Zenisun as an official non-exclusive distributor for AgustaWestland civil helicopters in China. The agreement includes a commitment for the AgustaWestland Family of new generation helicopters comprising five AW169 light intermediate 4.5-tonne class, five AW139 intermediate twin and five AW189 8-tonne class twin engine helicopters.

- **Nirma Group** of India took delivery of a second GrandNew light twin helicopter. The GrandNew with a full VIP cabin interior fit, provides passengers with an outstanding level of comfort. Nirma Group will also benefit from a three-year support contract with OSS Air. OSS Air are appointed as the distributor of AgustaWestland commercial helicopters in India and also an AgustaWestland Authorised Service Centre.

- **OHI Group** signed a contract for an additional two AW139 intermediate twin-engine helicopters. These aircraft, which will be assembled at the AgustaWestland plant in Philadelphia, USA, will be used for offshore transport operations. This latest contract, part of a multi-year agreement, brings the total number of AW139 helicopters ordered by OHI Group to nine, with the first four aircraft already in service and three additional aircraft scheduled to be delivered in the coming months. OHI Group also has plans to further expand its fleet of AgustaWestland helicopters, including possibly adding new models to its fleet. OHI Group's helicopters are operated in Brazil and other regions of the world supporting its oil and gas industry clients.

- **Samsung Techwin Co.** of South Korea, ordered two more AW139 intermediate twin engine helicopters. The helicopters will join Samsung Techwin's two others AW139s delivered in 2009 and 2010 to perform corporate transport and utility missions. These two additional aircraft are planned to be delivered in the second half of 2014.

- AgustaWestland delivered a GrandNew Full Flight Simulator (FFS) to **Rega** of Switzerland. The simulator has been certified by the Swiss National Aviation Authority (SFOCA). Rega signed a contract for the provision of a state-of-the-art advanced simulator in 2011 to meet the training requirements for its new fleet of Da Vinci and GrandNew light twin helicopters. The FFS, designed and produced by AgustaWestland in Sesto Calende in Italy, was successfully certified by the Swiss National Aviation Authority (SFOCA) in February 2013 and is now fully operational. Under the contract AgustaWestland is also providing technical support and assistance in maintaining the device.



AgustaWestland posted strong sales at the 2013 Paris Air Show
AgustaWestland

ENGINE NEWS

CIT Group and AirAsia opt for CFM-engines to power new order

CIT Group announced an order for 30 Boeing 737 MAX 8 airplanes powered by CFM International's advanced LEAP-1B engine. The engine order is valued at \$760m at list price.

AirAsia ordered additional CFM LEAP-1A engines and CFM56-5B engines to power the 100 Airbus A320 aircraft it ordered in a deal announced last December and signed a comprehensive long-term service agreement to support its fleet. The order, which comprises LEAP-1A engines to power 64 A320neos and CFM56-5B engines to power 36 A320ceo aircraft along with 5 CFM-56B spare engines and 9 LEAP-1A spare engines, is valued at \$8.6bn at list price, including a 20-year RPFH (Rate per Flight Hour) agreement, under the terms of which CFM will guarantee maintenance costs on a dollar per engine flight hour basis.

CFM logs \$15bn in new orders at Paris Air Show

The momentum for CFM International's advanced LEAP engine family continues to build as the company logged orders and commitments at the 2013 Paris Air Show. During the four trade days, CFM announced orders for 660 new engines (468 LEAP & 192 CFM56), in addition to LEAP and CFM56 services agreements, at a combined value of \$15bn at list price. 2013 orders to date now stand at 1,654, including installed, military, and spare engines.

BOC Aviation places order with CFM International to power A320 aircraft

BOC Aviation signed a new contract with CFM International for 10 firm orders of CFM 56 engines and 10 firm orders of CFM LEAP engines to power A320 family aircraft on order with Airbus. This is the second direct contract between BOC Aviation and CFM for an engine order for the A320 aircraft type.

Qantas Group finalizes LEAP-1A order

The Qantas Group finalized its order for CFM International's advanced LEAP-1A engine to power 78 Airbus A320neo aircraft currently on order. The first aircraft are scheduled for delivery in 2016 and will support Jetstar-branded airlines, the low-fare subsidiary created by the Qantas Group. The engine order, originally announced as a commitment in 2012, has a value of \$2.0bn at list price, including spare engines.

SELECTED ENGINE ORDERS FROM THE PARIS AIR SHOW

ROLLS-ROYCE		
Customer	Orders and options	Total value
Philippine Airlines	Trent 700: for 20 A330s; Total Care	\$1.4bn
United Airlines	Trent XWB: for 10 A350-1000s; Total Care	\$880m
SriLankan Airlines	Trent XWB for 4 A350-800s; Trent 700: for 6 A330-300s, Total Care	\$800m
CFM INTERNATIONAL		
Air Asia	LEAP-1A: for 64 A320neos; CFM56-5B: for 36 A320ceos; spares; 20-year RPFH agreement	\$8.6bn
Qantas	LEAP-1A: for 78 A320neos + spares	\$2.0bn
LATAM	CFM56-5B: for 25 A321ceos, 4 A320ceos +20 A321ceos (on options) plus RPFH agreement	\$1.1bn
CIT	LEAP-1B: for 30 737MAX-8	\$760m
GE		
Xiamen Airlines	GEnx-1B: for 6 787 Dreamliners + 10-yr OnPoint solution	\$560m
PRATT & WHITNEY		
China Southern	PW4170 Advantage 70: for 16 A330s, Fleet Mgmt Plan	\$1.29bn
Norwegian	PurePower PW1100G-JM: for 50 A320neos	n/a
LATAM	PurePower PW1100G-JM: for 42 A320neos, Fleet Mgmt Plan	n/a

Companies

Rolls-Royce wins news engine orders from Philippine Airlines, Oman Air, Transaero, SriLankan Airlines and Air Lease Corporation

- Rolls-Royce won an order worth \$880m, at list prices, from **United Airlines** for Trent XWB engines to power 10 Airbus A350 XWB-1000 aircraft. This includes a long term TotalCare services agreement. In addition the airline will convert 25 A350-900 aircraft, which were previously announced in 2009, to the -1000 model.
- Rolls-Royce was selected by **Philippine Airlines** to deliver Trent 700 engines, worth \$1.4bn at list prices, to power 20 Airbus A330 aircraft. This is the first selection of Trent engines by Philippine Airlines and also includes long-term TotalCare service support.
- Rolls-Royce won an order from **Oman Air**, worth \$200m at list prices, to deliver Trent 700 engines to power three Airbus A330 aircraft. The order also includes long-term TotalCare service support.
- Russian airline **Transaero** selected Rolls-Royce to provide Trent 1000 engines, with long-term TotalCare service support, for four Boeing 787 Dreamliner aircraft. In addition, Rolls-Royce has won a \$200m order from the airline to provide TotalCare support for Trent 800 engines that power eight Boeing 777s already in service.
- Rolls-Royce won an \$800m order, at list prices, from **SriLankan Airlines** for Trent XWB engines to power four A350-900 aircraft and Trent 700 engines to power six A330-300 aircraft. The contract includes long-term TotalCare service support.
- Rolls-Royce won an order from **Air Lease Corporation**, worth \$160m at list prices, for Trent 1000 engines to power four Boeing 787-9 Dreamliner aircraft. The order marks the first Trent 1000 selection by the US aircraft leasing company. The Trent 1000 was the first engine to power the 787 Dreamliner into service in October 2011 and has achieved more than 99.9% engine dispatch reliability. It is also the launch engine for the Boeing 787-9 and has been selected to power Singapore Airlines 787-10 aircraft, subject to Boeing confirmation of the programme.



The Trent XWB engine powers the Airbus A350 *Rolls-Royce*

ILFC expands LEAP engine order for total of 60 Airbus A320neo Family aircraft

International Lease Finance Corporation (ILFC) expanded its order for CFM International's LEAP-1A engines to power an additional 20 Airbus A320neo Family aircraft, bringing the total of its LEAP-powered A320neo Family aircraft to 60. The aircraft are scheduled for delivery beginning in 2016. This newest engine order is valued at \$510m at list price.

LATAM selects CFM56-5B engines for A320ceo Family

LATAM Airlines Group signed a memorandum of understanding with CFM International to purchase CFM56-5B engines to power 25 firm A321ceo and five firm A320ceo aircraft, in addition to options for 20 additional Airbus A321ceo (current engine option) aircraft. Once finalized, the agreement will be valued at approximately \$1.1bn at list price, including spare engines and a long term maintenance agreement. Under the terms of the rate per flight hour service agreement, CFM

will guarantee engine maintenance costs on a dollar per engine flight hour basis.

Parker Aerospace partners with Rolls-Royce on Trent XWB-97 engine program

Parker Aerospace, an operating segment of Parker Hannifin Corporation, was chosen by Rolls-Royce to partner on its Trent XWB-97 engine program. The Rolls-Royce Trent XWB-97 engine is being developed for the new Airbus A350 XWB-1000 aircraft and is the sole engine currently available to power this new aircraft. Parker estimates that the agreement will generate approximately \$2.2bn in revenues over the life of the program.

Canada's airworthiness authority certifies PW306D

Transport Canada Civil Aviation approved type certification for the PW306D, the latest addition to Pratt & Whitney's PW300 program. The PW306D builds on the PW306C and has been developed to power Cessna's upgraded, new Citation Sovereign business

Xiamen Airlines selects GEnx engines for Boeing 787 Dreamliners

Xiamen Airlines signed a Letter of Intent (LOI) with GE Aviation to select GEnx-1B engines to power its six Boeing 787 Dreamliners. The LOI also includes a 10-year OnPoint solution agreement for GE to provide maintenance, repair and overhaul of the airline's GEnx fleet. The list price of the engine order and the OnPoint solution agreement are valued at more than \$560m over the life of the engines. Delivery of the aircraft will begin next year.

jet. MTU contributes the complete three-stage low-pressure turbine, the turbine exit case and the mixer. Improvements to the new engine over its predecessor include enhanced aerodynamics, lower fuel consumption and a modified engine control unit.

PRATT & WHITNEY ENGINE NEWS

ILFC selects P&W PurePower engines for Airbus A320neo Family aircraft and Embraer E-Jets E2 aircraft

ILFC selected Pratt & Whitney PurePower PW1100G-JM engines to power an additional 30 A320neo Family aircraft bringing ILFC's total commitment to 180 engines. Pratt & Whitney will also provide exclusive power for up to 100 Embraer E-Jets E2 aircraft based on the letter of intent announced by Embraer and ILFC. The agreement represents up to 200 PurePower PW1900G engines with deliveries scheduled to begin in 2018.

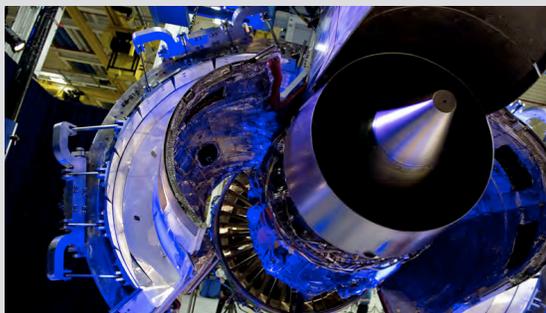
Norwegian Air Shuttle selects Pratt & Whitney PurePower PW1100G-JM engines

Pratt & Whitney and Norwegian Air Shuttle signed a definitive agreement to power 50 firm Airbus A320neo family aircraft with PurePower PW1100G-JM engines. First delivery is scheduled for 2016.

Aviation Capital Group selects P&W PurePower engines for Airbus A320neo aircraft

Aviation Capital Group selected Pratt & Whitney PurePower PW1100G-JM engines to power 12 firm A320neo aircraft. Deliveries are scheduled to start in 2018. Each of the twelve ACG Airbus A320neo family aircraft will be powered by two PurePower engines. Pratt & Whitney has announced orders for more than 3,500 engines

that include announced and unannounced firm orders, plus options. The PurePower family of engines uses an advanced gear system allowing the engine's fan to operate at a different speed than the low-pressure compressor and turbine. The combination of the gear system and an all-new advanced core deliver the improvements in fuel efficiency, environmental emissions and noise.



The PW PurePower engine in testing

Pratt & Whitney

LATAM Airlines selects PurePower engines for Airbus aircraft

LATAM Airlines selected Pratt & Whitney PurePower PW1100G-JM engines to power its order of 42 firm A320neo family aircraft. This agreement includes a 12-year Fleet Management Plan. PurePower engine deliveries are expected to begin in 2016.

China Southern Airlines selects Pratt & Whitney PW4170 Advantage70 engines

China Southern Airlines selected Pratt & Whitney's PW4170 Advantage70 engine to power its order of 16 Airbus A330 aircraft. The contract, which is valued at \$1.29bn, also includes a 15-year Fleet Management Plan for engine maintenance.

Spirit Airlines selects PurePower and V2500 engines for 75 Airbus aircraft

Spirit Airlines selected Pratt & Whitney PurePower PW1100G-JM engines to power its order of 45 firm A320neo aircraft. Spirit also selected International Aero Engines' (IAE) V2500 engine to power its order for 30 firm A320ceo aircraft.

MRO & PRODUCTION

StandardAero becomes independent TRUEngine authorized MRO provider for CFM56 and CF34 engines

In its continued partnership with GE, StandardAero signed two license agreements to become an independent TRUEngine authorized maintenance, repair and overhaul (MRO) provider for CF34 and CFM56 engines, demonstrating a further commitment to OEM quality engine maintenance. By signing this agreement, StandardAero will be the first independent TRUEngine authorized MRO provider for CF34 engines and the second for CFM56 engines. As an authorized TRUEngine MRO provider, CFM56 or CF34 engines overhauled by Standard Aero are eligible for TRUEngine status, allowing the engine serial numbers to be included in the TRUEngine database made available to industry appraisers and potential buyers.

GECAS, CFM finalize PML maintenance product for lessors

GE Capital Aviation Services reached agreement to participate in CFM International's unique Portable Maintenance for Lessors (PML) program. The product is the first of its kind in the industry and enables lessors and operators to optimize engine maintenance costs throughout the life of an aircraft. Under the terms of the agreement, CFM will provide engine maintenance, repair and overhaul services for leased aircraft at a fixed rate per flight hour with features to accommodate a change in either operator or owner. The PML product includes performance and non-performance restoration shop visits, and provides additional support elements including comprehensive remote diagnostics and the TRUEngine program benefits.

SAS signs LOI for long-term LEAP services agreement

SAS signed a Letter of Intent with CFM International for the long-term support of its advanced LEAP-1A engines. In 2011, the airline selected the engine to power 30 firm Airbus A320neo aircraft and hold options on 11 additional airplanes. Under the terms of the 12-year Rate Per Flight Hour Agreement (RPFH), valued at \$180m, CFM will guarantee maintenance costs on a dollar per engine flight hour basis.

CIT Aerospace receives CF6 TRUEngine designation

CIT Aerospace was awarded TRUEngine designation for its CF6 engine fleet, which powers its 13 Airbus CF6-80E-powered A330-200 aircraft. To qualify for TRUEngine status, the en-

NEWS FROM AJW AVIATION & AJW TECHNIQUE



Exterior view of AJW Technique facilities in Montreal

AJW

- **AJW Technique**, the new component MRO in Montréal, reached another ground-breaking milestone in the evolutionary growth of its facility. Just seven months after acquisition AJW Technique has achieved full TCCA/FAA and EASA certification enabling the facility to

fulfil the repair and overhaul requirements for 80% of ATA chapters. To complement this achievement AJW Technique has also been awarded TCCA Design Authorised Organisation (DAO) status. This will allow the facility to develop its own part-specific repair schemes in order to maximise customer satisfaction, further underpinning its commitment to lower direct maintenance costs (DMC's) and improve quality. After a thorough TCCA audit all Avionic, Hydraulic, Pneumatic, Fuel and Instrument cells have been granted certified status. Unit repairs have already commenced for a variety of customers as AJW Technique continues to ramp up to peak flow on all product lines over the coming months.

- **Travel Service Airlines** chose AJW Aviation to provide power-by-the-hour support for another five years. This five year extension will now provide support for its fleet of 27 aircraft comprising B737-700 and B737-800. The contract will also continue to include free access to AJW parts, held at the airline's Central European support and logistics centre in Prague; allowing for quick and easy distribution of spares, as well as providing 'C' checks and comprehensive Boeing spares inventory. The value of the on-site stock will also gradually be increased to \$15m over time, to accommodate the growing fleet and save on AOG logistical costs.

SABENA TECHNICS NEWS

Sabena technics extends Maintenance, Repair and Overhaul partnership with Honeywell

Sabena technics extended its 20-year global repair and overhaul affiliation with Honeywell by becoming a Honeywell Maintenance, Repair and Overhaul (MRO) network partner for the company's air transport customers. As an authorized Honeywell MRO network partner Sabena technics will benefit from Honeywell support and training and can provide customers with Honeywell-approved MRO services around the world. The authorized repair contract builds on Sabena technics' existing accreditation with Honeywell as a parts and repair supplier, following recent contract renewal by Honeywell. Under this agreement customers requiring servicing of Honeywell products have access to original Honeywell spares through Sabena technics, ensuring the highest quality of servicing.

Sabena technics and Air Kasaï sign five-year full support contract for ATR 72-200

Air Kasaï, the Democratic Republic of the Congo-based airline, selected Sabena technics for the component support of its first ATR72-200. Within the scope of this contract, Sabena technics will provide Air Kasaï with component support, pool access, implementation of a Main Base Kit as well as Continuous Airworthiness Management. In the coming months, Air Kasaï plans on adding an additional ATR to its fleet.

gine configuration, overhaul practices, spare parts and repairs used to service an engine must be consistent with GE requirements. In addition, all maintenance must comply with GE-issued engine manuals and other maintenance recommendations. The qualification data is obtained through customer submittal of maintenance records. The TRUEngine des-

ignation is available to the 4,000 CF6 engines in service if they meet the TRUEngine criteria

Unison designs new CF34-8C/E igniter

Unison Industries announced the newly designed CF34-8C/E extended life igniter. The design is certified for use on CF34-8C1/-

GA Telesis Engine Services Oy wins landmark Transaero Airlines 10-year heavy maintenance contract

International Russian airline, Transaero Airlines (Moscow, Russia) awarded GA Telesis Engine Services Oy ("GATES") an exclusive 10 year contract valued at up to \$500m to provide engine repair and overhaul services for Transaero's sixty-two (62) General Electric CF6-80C2 engines for their Boeing 767 and Boeing 747 fleets. Transaero will be GATES' largest customer and the maintenance will be performed at the GATES MRO facilities in Helsinki, Finland. The first Transaero engine will be inducted this month. The scope of the contract includes core performance restoration & overhaul, life limited parts replacement, maintenance procedures between overhauls along with on-wing maintenance.

8C5/-8E1 platforms. It creates lower operating costs with a longer life extension resulting in reduced maintenance, an upgrade that mitigates side wall erosion, and higher temperature endurance to improve overall engine performance. Unison's fully certified CF34-8C/E configuration includes induction-fused glass seals, pioneered by Unison, to resist today's extreme combustor pressures. Proprietary alloys reduce terminal arching and pitting to increase igniter and lead life. Optimized tip geometry configuration and material composition resist typical spark erosion to assure greater durability and lower operating costs. Combined anti-wear, thermal and non-stick finishes then result in an

igniter that takes heat and vibration in stride, even under continuous sparking conditions.

Aircelle to supply PERT thrust reverser for Cessna's Longitude business jet

Cessna's new Citation Longitude business jet will utilize the patented PERT thrust reverser from Aircelle (Safran), which will equip the aircraft's two Silvercrest jet engines built by Snecma, which also is part of Safran. The PERT agreement – which includes supply of the thrust reversers and product support to Cessna. The patented PERT (Planar Exit Rear Target) thrust reverser is a proven design with two blocker doors that serve as the engine's

exhaust exit during flight, and are deployed on landing for the reverse thrust function. This concept provides and combines thrust reverser effectiveness with an optimized weight. For its application on Cessna's Citation Longitude, Aircelle will increase the use of composite materials and apply additional advanced acoustic treatment..

Hainan Airlines and CFM sign Long Term Service agreement

HNA Aviation Holding Company signed a long-term Rate per Flight Hour (RPFH) agreement with CFM International to support its fleet of CFM56-5B engines. Under the 15-year service agreement, CFM will provide maintenance, repair and overhaul (MRO) service and support for 84 CFM56-5B engines powering 42 Airbus A320s, along with eight spare engines. CFM will guarantee the maintenance cost on a dollar per engine flight hour basis over the life of the agreement.

Saint-Gobain signs long-term contract for Bell Helicopter

Saint-Gobain Aerospace signed a long-term contract with Bell Helicopter of Fort Worth, Texas, to supply nose radomes for the new

Continued on page 14



VAS Aero Services is a leading provider of aviation parts and services. We help keep airlines flying around the world. Whether its landing gear for a commercial jet, or a critical component for the latest turbofan engine, we offer more than 900,000 different part numbers to our customers globally.

BEST PARTNER

www.vas.aero



GE AVIATION NEWS

GE signs OnPoint Solution agreements with Air Canada, Air India, Azul, JAL, JetBlue and LATAM

- **Air Canada** committed to a five-year OnPoint solution agreement for a firm fixed price on time and material to repair and overhaul its CF34-8E engines that power its EMBRAER 175 aircraft. Air Canada operates a large GE and CFM56 powered fleet including CF34-powered Embraer E175/190s and Bombardier CRJ 200/705s, GE90-powered Boeing 777s, CF6-powered Boeing 767s and CFM56-powered Airbus A320s. Air Canada has an order for GENx-powered Boeing 787 Dreamliners.

- **Air Canada** also committed to a 15-year OnPoint solution agreement for the maintenance, repair and overhaul of its GENx-1B engines that power its Boeing 787 aircraft. The value of the OnPoint solution agreement is not disclosed.

- **Air India** signed an OnPoint overhaul engine services agreement with GE Aviation for the time and material related to the maintenance, repair and overhaul of its 96 CFM56-5B engines that power its Airbus A320 aircraft fleet.

- **Azul** added 43 CF34-10E engines to its existing 15-year OnPointSM solution services agreement with GE Aviation covering the maintenance, repair and overhaul of 190 CF34 engines powering its EMBRAER E190 aircraft.

- **Japan Airlines (JAL)** signed an OnPoint solution agreement with GE Aviation for material solutions for its GE90 engine fleet. Under this agreement, JAL will perform the overhaul and certain repairs at its engine maintenance center located in Narita, Japan, and GE will provide material and repair management services. JAL operates 24 GE90-powered Boeing 777 aircraft. The deal is valued at close to \$500m.

- **JetBlue Airways** signed a 10-year OnPoint solution agreement with GE Aviation for the maintenance, repair and overhaul of its CF34-10E engine fleet that powers its 58 EMBRAER E190 aircraft.

- **LATAM Airlines Group** and GE Aviation signed a memorandum of understanding for a 10-year OnPoint solution agreement for the maintenance, repair and overhaul of 120 CF6-80C2 engines that power its Boeing 767 aircraft. The OnPoint solution agreement is valued at more than \$500m over the life of the contract.

Qatar Airways signs maintenance cost per hour agreement for CF6 engines with GE Aviation

Qatar Airways signed a 10-year maintenance cost per hour agreement for the continued maintenance, repair and overhaul of its Airbus A330 aircraft powered by CF6-80E engines.

CF34 TRUEngine program launches with Azul, Flybe, GoJet, Jetscape, LOT and GECAS

GE Aviation launched the TRUEngine program on its CF34 engines with Azul, Flybe, GoJet, Jetscape, LOT and GE Capital Aviation Services (GECAS). The CF34 TRUEngine launch expands the TRUEngine designation from CFM56, CF6 and GENx engines. To

qualify for TRUEngine status, the engine configuration, overhaul practices, spare parts and repairs used to service an engine must comply with GE-issued engine manuals and other maintenance recommendations. The qualification is obtained through the customer's declaration of compliance and GE's verification of customer submitted maintenance records since back to birth. The TRUEngine designation is available to all CF34 engines in service if they meet the TRUEngine qualification criteria.

GE Aviation to create new composites facility at its Hamble, U.K. aerostructures manufacturing site

GE Aviation's aerostructures business began the development of a 9,000-m² composites production facility at its Hamble, U.K. site as part of a five-year, \$50m-plus investment at the site to support the company's manufacture of wing components for the Airbus A350 XWB jetliner family. This facility will enable GE Aviation, Hamble to ramp-up the output of wing fixed trailing edge components for the A350-800, A350-900 and A350-1000 aircraft, reaching the capacity to deliver up to 13 shipsets per month. The A350 XWB package is the largest production contract awarded in GE Aviation Hamble's 75-year history, comprising more than 3,000 components that include structural composite panels and complex machined assemblies.

GE Aviation pursuing advanced manufacturing in North Carolina

GE Aviation has plans to break ground this year on an advanced composite component factory near Asheville in Western North Carolina. The new 125,000-ft² facility (next to an existing GE Aviation machining plant) would produce engine components made of advanced ceramic matrix composite (CMC) materials. GE could begin hiring at the new CMC components plant as early as 2014. Within five years, the workforce at the plant would be expected to grow to more than 340 people. The new facility would be part of a larger commitment by GE Aviation to invest \$195m across its North Carolina operations through 2017. GE Aviation has more than 1,300 employees in North Carolina at sites in



A GENx engine on an Air India 787 Dreamliner in Paris

GE Aviation

Durham, West Jefferson, Wilmington, and Asheville. Overall, the new CMC facility, combined with plant and equipment upgrades at existing sites across North Carolina, could create 240 additional GE jobs by 2017. The workforce (290 employees) at GE Aviation's current machining operation in Asheville would gradually transition to the CMC components plant. Over the next decade, the current machining work at the Asheville shop could be transitioned to other GE facilities. The new CMC factory in Asheville – which would be unique in the jet propulsion industry – is subject to final approvals of incentives from the State of North Carolina.

AFI KLM E&M NEWS

AFI KLM E&M signs multiple new agreements at the Paris Air Show

- **EgyptAir Group**, represented by EgyptAir Maintenance and Engineering is taking advantage of the renewal of its existing component support contract to extend its scope, confirming its trust in AFI KLM E&M services. Initially signed in 2004 to cover component support for EgyptAir's Airbus, the renewed contract now includes the carrier's A320s, A330s and Boeing 777 fleets.
- **Air Zimbabwe** signed a contract with AFI KLM E&M covering component support for these two aircraft. The contract includes pool access and per-flight-hour repairs, together with the provision of a Main Base Kit, initially positioned at Johannesburg, and subsequently at Harare airport. In parallel with this contract, Air Zimbabwe has decided to entrust the maintenance and repair of the CFM56-5A and -5B engines powering the two A320s.
- **Royal Brunei Airlines** and AFI KLM E&M have inked a long-term engineering partnership agreement to support the entry into service of RB's fleet of five Boeing 787 Dreamliners. Under the partnership agreement, AFI KLM E&M will provide RB with a wide range of engineering services including fleet technical support, component spares and repair services. AFI KLM E&M has demonstrated its Adaptiveness in delivering a tailor made maintenance and support solution to meet the unique requirements of RB. Under the agreement, 787 components will be located by AFI KLM E&M at multiple locations to support RB operations and ensure continuity of service.
- AFI KLM E&M and Indian low-cost airline **IndiGo** are to step up their cooperation in the framework of the A320 component support contract linking the two groups since 2007. The scope of the agreement has been modified and has now been extended for several years. It still covers access to the spares pool, repair services, and dedicated logistics support. The agreement, which initially concerned a total of 52 A320s, now covers over 60 aircraft and this is set to be further extended with the new A320 deliveries to IndiGo scheduled for late 2013 and 2014. The two partners have also agreed that the Indian carrier's future A320 NEO passenger aircraft, whose first deliveries are scheduled for 2016, may be included within the scope of the component support agreement at a later stage, at IndiGo's option.
- **HOP!-AIRLINAIR** signed a long-term component support contract with AFI KLM E&M covering a total 23 aircraft: 17 ATR 42s and 6 ATR 72s. The per flight hour contract includes repairs and access to a spares pool. The contract renews a previous agreement between AFI KLM E&M and Airlinair signed in 2009. In early 2013, Airlinair formed an alliance with Brit Air and Regional, to create HOP!, the new European regional carrier.

Continued from page 12

Bell 525 Relentless helicopter program. The radomes will be manufactured with advanced Norton Armor materials from Saint-Gobain that provide superior radar transparency and in-flight durability.

Turbomeca and SFK Aerospace sign contract

Turbomeca (Safran) and SKF Aerospace have signed a contract covering a period of 10 years and for a value of approximately €90m. This

contract concerns the supply of bearings, in particular for Turbomeca's newest engine, the Arrano. The Arrano, a new 1,100 shp engine has been designed to equip four to six ton helicopters. Its first test run is expected in 2014.

All Nippon Airways extends part repair agreement with P&W

All Nippon Airways signed an eight-year extension to its exclusive part repair agreement with Pratt & Whitney, to continue support of the airline's fleet of Boeing 777 aircraft powered

NEWS FROM CRANE AEROSPACE GROUP

Crane Aerospace & Electronics was selected to provide the Lube and Scavenge pump for the **Pratt & Whitney Pure-Power** PW1100G-JM and PW1400G engines, which will power the Airbus A320neo and Irkut MC-21, respectively.

Crane Aerospace & Electronics was selected by **Embraer S.A.** to supply both the Brake Control and Landing Gear Control Systems for Embraer's second-generation of E-Jets. The new aircraft is scheduled to enter service in 2018.

by Pratt & Whitney PW4000 engines. The repair work will be performed throughout Pratt & Whitney's worldwide network of part repair facilities in support of ANA's fleet of PW4074 and PW4090 engines.

ATK to produce composite aft fan cases for Rolls-Royce Trent XWB-97

ATK announced the award of a contract valued at more than \$50m from Rolls-Royce, to produce aft fan composite cases for the new Trent XWB-97 engine. The contract has the potential to grow to more than \$200m. This Rolls-Royce engine is the sole engine now available to power the Airbus A350-1000 aircraft variant. The life-of-type contract with Rolls-Royce further highlights ATK's key role as a provider of large-scale composite components for commercial aircraft and engines. ATK has been producing aft fan cases for the Rolls-Royce Trent XWB-84 engines since 2009.

Danish Air Transport extends component services agreement with Sabena technics for ATR fleet

In order to ensure optimal support to its ATR 42/72 airline operations, Danish Air Transport, the Denmark-based company which provides passenger charters as well as freight services, increased its collaboration with Sabena technics, a key player in component repair and overhaul, by signing a three-year extension to the initial component services agreement. Within the scope of this contract, Sabena technics will perform the re-



Search or sell with StockMarket.Aero
Online aviation parts marketplace

Over 40 million qualified line items of inventory and capability from over 2,300 aircraft parts vendors



PARTS SEARCH

BROADCAST MESSAGES

PART ALERTS

PRICE SEARCH

GOVERNMENT PROCUREMENT



component control

MRO & Logistics Software Solutions

componentcontrol.com

NEWS FROM UTC AEROSPACE SYSTEMS

- **All Nippon Airways** (ANA) selected UTC Aerospace Systems for a long-term agreement to provide maintenance, repair and overhaul services (MRO) of aspirators on selected Boeing aircraft operated by the airline. The exclusive agreement covers aspirators on Boeing's B737, B47, B767 and B777 airplanes, and the work will be performed at the UTC Aerospace Systems MRO facility in Singapore.



Qatar Airways secured a nacelle MRO services deal with UTC for A300 and A320 aircraft
AirTeamImages

- UTC Aerospace Systems was chosen by **Qatar Airways** to provide a comprehensive suite of nacelle maintenance, repair and overhaul (MRO) services for selected Airbus aircraft operated by the Qatari flag-carrier. The agreement for services covers Airbus A300 aircraft powered by Pratt & Whitney PW4000 engines and A320 airplanes powered by V2500 engines built by International Aero Engines. The agreement between the airline and UTC Aerospace Systems' Aerostructures business is for 10 years and covers full MRO services, including scheduled and unscheduled MRO, with asset and on-site support as required.

- **Virgin Atlantic Airways** selected UTC Aerospace Systems to supply the wheels, carbon brakes and MRO services for its fleet of 16 new Boeing 787-9 aircraft. The company will provide the equipment through its Wheels & Brakes business in Troy, Ohio. The first aircraft is scheduled for delivery in September 2014. The 787-9 carbon brakes use proprietary DURACARB carbon heat sink material. The DURACARB carbon provides exceptional brake performance and a 35 percent brake life advantage over competitive products, producing significant cost savings for operators.

- UTC Aerospace Systems recently partnered with **Embraer S.A.** to successfully demonstrate the next generation of electric braking system technology. The demonstration was performed under Embraer's "More Electric Aircraft" (MEA) study assessing the benefits of the newest generation of electric braking technology that incorporates significant reductions in system weight and envelope. The test equipment included electrically actuated brakes and electro-mechanical actuator controllers. Technology experts from both companies collaborated over eighteen months to prepare for the extensive series of on-aircraft tests conducted on an Embraer 145 LR regional jet.

- UTC Aerospace Systems was selected by **Airbus** to supply a common fuel gauging system for its single-aisle aircraft. UTC Aerospace Systems currently provides the full fuel gauging system for the Airbus A321 aircraft. This selection adds the A319, A320 and A320neo platforms. Initial production hardware deliveries will begin in Q1 of 2014. The system was designed and will be produced by the Sensors & Integrated Systems team in Vergennes, Vermont, USA.

pair and overhaul of components, as well as structural repairs for the ATR fleet of Danish Air Transport.

Sikorsky Aerospace Services signs deal for Customer Service Centre in UK

Sikorsky Aerospace Services announced the signing of an agreement with Vector Aerospace that appoints Vector's United Kingdom facilities as authorized Customer Service Centres (CSC) to support Sikorsky S-76 helicopters. The Customer Service Centres will offer Sikorsky S-76 helicopter operators complete after-market support, including Sikorsky trained local maintenance personnel for on-site com-

prehensive maintenance management, inspections and spare parts procurement.

HOP!-REGIONAL selects Spairliners for E-Jet after-sales component services

Spairliners GmbH announced its new contract with the regional airline HOP!-REGIONAL which includes the long term support of 26 E-170 and E-190 aircraft. Since two month Spairliners, a leader for Airbus A380 Integrated Component Care, additionally provides an equal spectrum to the E-Jet family of the Brazilian manufacturer Embraer. With the latest contract the company now has 10 regional airlines under contract.

FINANCIAL NEWS

Nordic Aviation Capital A/S takes \$230m five year loan

Nordic Aviation Capital is pleased to confirm that it has successfully closed a \$230m loan with institutional investment funds managed by three US investors: Highbridge Principal Strategies, Athene Asset Management and Oak Hill Advisors (Europe). The investor group was led by Highbridge Principal Strategies. Nordic Aviation Capital was advised by Clifford Chance. Knight Capital acted as exclusive placement agent for the financing. The loan which has a tenure of five years, is not based on security in any of the group's assets and will further support and strengthen Nordic Aviation Capital's position as the global leader within the regional aviation space.

MILITARY & DEFENSE

Embraer and Boeing team to market and sell KC-390 medium-airlift aircraft

Embraer and Boeing are partnering on the sales and marketing of Embraer's KC-390 – a multi-mission mobility and aerial refueling aircraft with advanced capabilities in the medium-sized airlift market. Under the agreement, Boeing is the lead for KC-390 sales, sustainment and training opportunities in the U.S., UK and select Middle East markets. Embraer will manufacture the aircraft and collaborate on sales, sustainment and training. The KC-390 originated as a defense project contracted by the Brazilian Air Force in 2009. The largest aircraft to be manufactured in Brazil, it features advanced capabilities in terms of performance, cargo, capacity, flexibility and life-cycle costs. Initial estimates of the potential market for KC-390 are approximately 700 aircraft, but that number is likely to increase after additional markets are analysed. The project has completed the Critical Design Review and is on schedule.

Alenia Aermacchi and the Italian National Armaments Directorate agree to jointly develop new jet trainer

Alenia Aermacchi and the Secretariat General of Defence/National Armaments Directorate of the Italian Ministry of Defence signed an agreement to jointly define the operational specifications and collaborate on the development of a new basic-advanced trainer, the M-345 HET (High Efficiency Trainer) and expected to enter service between 2017-2020. The agreement, announced at the Le Bourget Paris Air Show, calls for the immediate creation of a joint working team between the Defence and industry to define the technical

specifications of this new aircraft and identify the steps necessary for the preliminary study and its consequent development, taking into account the principles of cost effectiveness and to satisfy the possible requirements of the global market. The new HET will be a further development of the M-345 jet trainer, the latest solution proposed by Alenia Aermacchi for the basic-advanced phase of military pilot training.

Rolls-Royce reaches key liftsystem delivery milestones for F-35B

Rolls-Royce completed two key milestone deliveries for the F-35 Lightning II program, as production matures for the LiftSystem, the only technology in the world capable of providing vertical-lift for 5th-generation fighter aircraft. Rolls-Royce recently delivered the 50th 3-Bearing Swivel Module (3BSM) and 40th LiftFan for F-35B aircraft manufactured by Lockheed Martin, and is on schedule for LiftSystem deliveries.

OTHER NEWS

AAR announced from the Paris Air Show that it has signed a letter of intent outlining a tentative two-phase project to establish a technical maintenance center for commercial aircraft in Ulyanovsk, Russia. The project, as initially defined, includes an aircraft parts distribution and logistics center, scheduled to open in mid-2014, followed by a commercial aircraft maintenance facility, scheduled to open in 2015.

The first A400M Full Flight Simulator (FFS) designed and built by **Thales** for **Airbus Military** received European Aviation Safety Agency's qualification for training on the June 7h at Airbus Military International Train-

INFORMATION TECHNOLOGY

- **Mxi Technologies**, a leader in aviation maintenance management software, reported that **China Airlines** has confirmed phase two of their Maintenix implementation with footprint expansion into materials, engine and component shop, and the company's Engineering and Maintenance Organization, as well as integration to their Enterprise Resource Planning (ERP) system. Phase two also signals China Airlines upgrade to version 8 of the Maintenix software, introducing key usability and process enhancements across the entirety of their MRO operations. In addition to a number of efficiency benefits, the technology backbone of the Maintenix v8 software supports China Airlines' move to real-time management of line and heavy maintenance events as data is captured at the point of maintenance execution.

- **Eurocopter** reported its global partnership with **Ramco Systems**, the global Aviation Software provider on cloud, mobile and tablets. Both companies will join forces to offer state-of-the-art helicopter maintenance software which will ease the life of operators and maintenance centers. This partnership agreement, formally signed at the 2013 Paris Air Show, enables Eurocopter and Ramco Systems to offer additional mobility and functionality for the collection and treatment of MRO-related data, thereby providing highly effective and cost-efficient fleet management services that are affordable and user friendly for all operators – including those with smaller numbers of helicopters.



Signing of Eurocopter's new global partnership with Ramco Systems
Eurocopter

- **Turbomeca** (Safran) signed collaboration agreements with the first customers for the tests of **BOOST (Bank Of Online Services and Technologies)**, a totally new range of integrated online services to streamline customers operations. BOOST answers essential helicopter operator needs: addressing aircraft safety, increasing operational availability and optimizing maintenance and operations costs. BOOST offers operators more visibility and expertise, to get the most out of their engines.

- Private air charter operator **SaxonAir Charter** chose **AeroTrac Aviation MRO Process Control** software from **TracWare**, to complement their continuing airworthiness management functions and future Part-145 maintenance activities. Saxon Air's primary criteria for choosing AeroTrac was the savings to be made in both cost and time by streamlining the technical, logistical, commercial and financial business processes. The software package, v.2.40 Premium Plus, integrates all transactions so that any data added in one specific screen is shared and utilized in other areas of the business leading to greater consistency and a regimented, disciplined approach in performing day to day tasks.

ETIHAD NEWS

Ethihad Airways entered into an agreement with global technology company **Taleris** to launch groundbreaking new technology which can help predict potential maintenance faults and recommend preventive action. Taleris' web-based prognostics service, a part of its Intelligent Operations offering, is a first for the commercial airline industry and will be used to monitor Ethihad Airways' fleet of Airbus and Boeing aircraft. The prognostics technology will leverage the Industrial Internet to increase the airline's overall operational efficiency. It is expected to deliver significant financial savings for Ethihad Airways and improved reliability for passengers and freight customers as the technology continuously analyses data from multiple sensors on aircraft components and systems, and warns of imminent problems. The expected benefits include a reduction of unscheduled maintenance, fewer delays and cancellations, increased aircraft availability, enhanced on-time performance, in-

creased maintenance efficiency, reduction in maintenance costs and reduction in lost revenue costs. The service also can reduce the requirement to store expensive spare parts, which are typically stocked in case of failure.

Ethihad Airways also revealed that it will advance discussions with **JatAirways** about an equity investment in the Serbian national carrier. An Initial Memorandum of Understanding (IMU) between Ethihad Airways and the Government of Serbia was signed in Belgrade on Monday, June 17th. An investment decision would depend on the successful completion of a comprehensive due diligence process and be subject to all necessary regulatory and respective board approvals. The two airlines will now intensify discussions about collaborative efforts to further integrate their networks and help JatAirways achieve efficiencies, build revenue, and reduce costs.

ing Centre in Seville. This qualification is a key milestone that allows Airbus Military to start to train A400M flight crews for their complex missions in a safe environment.

An innovative total support solution for **Eurocopter** helicopters in deployed operations was launched with a consortium agreement signed at the Paris Air Show by its five participants: **Eurocopter, DAHER, DCI, Eurotradia** and **Vector Aerospace**. This solution – designated **E-HOTS** (Eurocopter Helicopter On Theatre Services) – consolidates the five partners’ expertise and pools their resources, providing a turnkey support package that covers an extensive range of services for rotorcraft in any deployed operation such as humanitarian and crisis relief missions, in conflict zones, and for oil and gas exploration. Benefits of E-HOTS include all-inclusive and versatile support for enhanced capabilities, with availability at short notice and the supply of services in austere conditions – backed by experienced operators. In addition, the ability to combine the resources of the five E-HOTS partners ensures that ready-to-use support packages specifically tailored the demanding operational needs of customers are available quickly – all while remaining highly cost effective.

The signing of a new agreement by **Eurocopter** and its **SDV** transport provider, both leaders in their domains, at the Paris Air Show will expand a joint commitment to reducing CO2 emissions by extending their Save Program charter to Eurocopter’s production and administrative facilities in Marignane and La Courneuve, France. This latest accord builds on a previous agreement, signed in 2011, that set a voluntary 20% reduction in CO2 emissions over a three-year period at Eurocopter’s plant in Donauwörth, Germany. The purpose of the Eurocopter – SDV Save Program is to define a concrete framework for reducing the carbon footprint of spare parts transport and neutralizing all residual CO2 emissions.

Sikorsky Aircraft and **Boeing** have formed a joint venture to compete for sustainment services in support of the Kingdom of Saudi Arabia’s rotorcraft fleet. Contracts that the joint venture will pursue are administered by the U.S. Government as part of its Foreign Military Sales process. The joint venture will help advance the Kingdom’s efforts to diversify its economy, expand the technological expertise of its aerospace and commercial sectors, and create jobs.

Doric’s shareholders expanded Doric’s existing business with the launch of **Doric Lease Corp** (“DLC”), an operating lessor company based in Dublin, Ireland. DLC will focus its activities

Recommended Events

event management answers

 ☎ +44 (0) 1342 324353
 📠 +44 (0) 7941 969401
 ✉ everest@everestevents.co.uk

Engine Asset Management
London, UK, 23 September, 2013. (Event brochure)

MRO Europe 2013
ExCel Centre, London, UK, 24 - 26 September, 2013. (Event brochure)

ISTAT Europe 2013
Hotel Arts, Barcelona, Spain 6 - 8 October, 2013. (Event brochure)

Aircraft Asset Management Training Seminar
Hilton Hotel, Jumeirah Beach, Dubai, UAE, 6-7 November, 2013. (Event brochure)

Dubai Airshow
Dubai World Central, 17-21 November, 2013. (Event brochure)

[Click here for more aviation events](#)

in the widebody aircraft leasing sector acting in a principal investment capacity. DLC’s strategic business focus will include aircraft acquisitions, sale and leaseback transactions, and arranging of discrete aircraft investments for companies such as those listed on the London Stock Exchange. Doric remains focused on its fund management business for transportation, energy and real estate assets. Mark Lapidus has been appointed as the chief executive officer of DLC, with Sibylle Paehler joining the board of Doric. Paul Kent will become the chief commercial officer of DLC.

INDUSTRY PEOPLE

- Crane Co. announced the appointment of **Brendan Curran** as president of the Aerospace Group of Crane Aerospace & Electronics. Crane Aerospace & Electronics is one of four segments of Crane Co., a diversified manufacturer of highly engineered industrial products with \$2.6bn in sales. As president of the Aerospace Group, Curran will be located in Lynnwood, Washington and will be responsible for Aerospace Group site operations and product solutions, including fluid management, landing gear systems, cabin systems, and sensing components and systems.



Brendan Curran
Crane

AviTrader Publications Corp.
9500 Aquila Road
Richmond, BC
Canada V7A 3P9

Publisher
Peter Jorsen
Tel: +1 604 448 0970

Editor
Catherine Davies
editor@avitrader.com
Tel: +44 (0) 7772 896 280

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

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



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

www.gatelesis.com

Aviation Repair Chain Solutions

Commercial Jet Aircraft

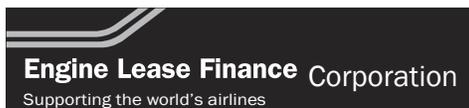
Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A300B4-103F	ULS Airlines Cargo	CF6-50C2	041	1977	Now	Sale / Lease	Cem AKIN	cem.akin@uls-global.com	+90 212 496 0202
A300B4-203F	ULS Airlines Cargo	CF6-50C2	101	1980	Now	Sale / Lease	Cem AKIN	cem.akin@uls-global.com	+90 212 496 0202
A300B4-203F	ULS Airlines Cargo	CF6-50C2	117	1980	Now	Sale / Lease	Cem AKIN	cem.akin@uls-global.com	+90 212 496 0202
A310-300F	Apollo Aviation Group	CF6-80C2		1986	Now	Sale / Lease	Erik Castillo	erikc@apollo.aero	+ (305) 579-2340
A319-100	Amentum Capital	CFM56-5B6/3	3533	2008	Mar 2014	Lease	Noel Healy	marketing@amentum-capital.com	+353 1 639 8111
A319-100	Amentum Capital	CFM56-5B6/3	3560	2008	Mar 2014	Lease	Noel Healy	marketing@amentum-capital.com	+353 1 639 8111
A320-231	GA Telesis	V2500-A1	441	1993	Now	Sale / Lease	Harris Koutounidis	hkoutounidis@gatelesis.com	+1-954-676-3111
A320-231	Jet Midwest Inc.	V2500-A1	0230	1991	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
A320-232	Amentum Capital	V2527-A5	3162	2007	Feb 2014	Lease	Noel Healy	marketing@amentum-capital.com	+353 1 639 8111
A320-232	Amentum Capital	V2527-A5	3316	2007	Apr 2014	Lease	Noel Healy	marketing@amentum-capital.com	+353 1 639 8111
B737-232	Jet Midwest Inc.	JT8D-15A	23086	1984	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B737-2H4	Jet Midwest	JT8D-9A	22062	1980	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B737-300	AerSale	CFM56-3B1	23440	1986	Now	Sale / Lease	Craig Wright	craig.wright@aersale.com	+1 (305) 764 3238
B737-300	AerSale	CFM56-3B1	23441	1986	Now	Sale / Lease	Craig Wright	craig.wright@aersale.com	+1 (305) 764 3238
B737-300	World Star Aviation Services	CFM56-3C1	28738	1998	Sep 2013	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-300	World Star Aviation Services	CFM56-3C1	28872	1998	Jul 2014	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-300	World Star Aviation Services	CFM56-3B1	24492	1990	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-300	World Star Aviation Services	CFM56-3B2	23972	1998	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-300	World Star Aviation Services	CFM56-3B2	24208	1998	Feb 2014	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-300	World Star Aviation Services	CFM56-3C1	28573	1998	Jul 2013	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-300	ORIX Aviation	CFM56-3B2	28567	1997	Nov 2014	Lease	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
B737-300	ORIX Aviation	CFM56-3C1	29331	1998	Q4/2013	Sale	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
B737-300F	ORIX Aviation	CFM56-3B1	24710	1990	Q3/2013	Sale	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
B737-300QC	Safair Operations	CFM56-3B2			Now - Wet Lease / ACMI		C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
B737-322	GA Telesis	CFM56-3C1	23950	1988	Now	Sale / Lease	Harris Koutounidis	hkoutounidis@gatelesis.com	+1-954-676-3111
B737-400	World Star Aviation Services	CFM56-3C1	24706	1991	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-400	World Star Aviation Services	CFM56-3C1	26290	1993	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-400	ORIX Aviation	CFM56-3B2	24552	1989	Q2/2013	Lease	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
B737-400	AerSale	CFM56-3C1	25417	1991	Now	Sale / Lease	Craig Wright	craig.wright@aersale.com	+1 (305) 764 3238
B737-400	Safair Operations	Combi			Sep 2013 ACMI/Wet lease		C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
B737-400	Safair Operations	Pax			Jul 2013 ACMI/Wet lease		C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
B737-500	World Star Aviation Services	CFM56-3B1	26297	1994	Apr 2013	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B737-500	ORIX Aviation	CFM56-3C1	24788	1990	Sep 2013	Sale	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
B737-700	Amentum Capital	CFM56-7B22	34320	2005	Aug 2013	Lease	Noel Healy	marketing@amentum-capital.com	+353 1 639 8111
B737-700	Amentum Capital	CFM56-7B22	34321	2005	Nov 2013	Lease	Noel Healy	marketing@amentum-capital.com	+353 1 639 8111
B737-800	ORIX Aviation	CFM56-7B24	33641	2007	Q1/2014	Lease	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
B737-800	ORIX Aviation	CFM56-7B24	33602	2006	Q4/2013	Lease	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
B737-800	ORIX Aviation	CFM56-7B24	33995	2005	Q3/2013	Lease	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
B747-400ERF	Amentum Capital	CF6-80C2B5F	35172	2007	Now	Sale	Noel Healy	marketing@amentum-capital.com	+353 1 639 8111
B747-400ERF	Amentum Capital	CF6-80C2B5F	35170	2007	Now	Lease	Noel Healy	marketing@amentum-capital.com	+353 1 639 8111
B757-200	mba- Aircraft Solutions	RB211-535E4B	24590	1990	Now	Sale	Jacob Agnew	jagnew@mbaas.aero	+1 703-276-3202
B757-200	World Star Aviation Services	RB211-535-E4	24544	1990	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
B757-200	GA Telesis	RB211-535E4B	24488	1989	Jul 2013	Sale	Stefanie Jung	sjung@gatelesis.com	+1 954-958-1321
B757-223	Jet Midwest Inc.	RB211-535E4	24601	1991	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B757-200F	AerSale	RB211-535E4	23767	1987	Now	Sale / Lease	Craig Wright	craig.wright@aersale.com	+1 (305) 764 3238
B767-200ER	Jet Midwest Inc.	PW4056	24007	1988	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B767-200ER	Jet Midwest Inc.	JT9D-7R4D	24325	1989	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B767-200ER	Jet Midwest Inc.	JT9D-7R4D	24145	1988	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
B767-222	Jet Asia Airways Co. Ltd.	JT9D-7R4D	21868		Now	ACMI, Wet L.	Kevin Lee	klee@flyjetasia.com	+1 310 944 0327
B767-246	Jet Asia Airways Co. Ltd.	JT9D-7R4D	23214		Now	ACMI, Wet L.	Kevin Lee	klee@flyjetasia.com	+1 310 944 0327
B767-300ER	Azure Resources				Now	Sale / Exch.	Jeff Young	jeff@azureres.com	+1-954-249-7935
B767-300ER	Jet Midwest Inc.	PW4060	25287	1992	Q3/2013	Sale / Lease	Kevin Lee / Cathy Liu	kevin.lee@jetmidwest.com	+1 310 652 0296
B777-2H6ER	GA Telesis		28418	1999	Now	Sale / Lease	Harris Koutounidis	hkoutounidis@gatelesis.com	+1-954-676-3111
DC9-15	Jet Midwest Inc.	JT8D-7B	47152	1967	Now	Sale / Lease	Kevin Lee / Cathy Liu	kevin.lee@jetmidwest.com	+1 310 652 0296
DC10-30F	Bristol Associates	CF6-50C2	47925	1974	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
DC10-30F	Bristol Associates	CF6-50C2	47929	1975	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
L100-30	Safair Operations	501-D22			Now - Wet Lease / ACMI		C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
MD82	GA Telesis	Airframe only	49592		Now	Sale	Harris Koutounidis	hkoutounidis@gatelesis.com	+1-954-676-3111
MD82	GA Telesis	Airframe only	49990		Now	Sale	Harris Koutounidis	hkoutounidis@gatelesis.com	+1-954-676-3111
MD82	GA Telesis	Airframe only	49804		Now	Sale	Harris Koutounidis	hkoutounidis@gatelesis.com	+1-954-676-3111

Commercial Jet Aircraft (cont.)

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
MD82	Jet Midwest Inc.	JT8D-217C	49988	1990	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
MD82	Jet Midwest Inc.	JT8D-219	49325	1986	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
MD82	Jet Midwest Inc.	JT8D-217C	49286	1985	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
MD82	Jet Midwest Inc.	JT8D-217C	49287	1985	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
MD82	Jet Midwest Inc.	JT8D-217C	49342	1987	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
MD82	Jet Midwest Inc.	JT8D-217C	49988	1990	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
MD83	World Star Aviation Services	JT8D-219	49808	1991	Now	Sale / Lease	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
MD83	Jet Midwest Inc.	JT8D-219	53189	1995	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
MD83	Jet Midwest Inc.	JT8D-219	49663	1987	Now	Sale / Lease	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
MD90-30	AerSale	V2528-D5	53493	1998	Now	Sale / Lease	Shane O'Connell	shane.oconnell@aersale.com	+353 (87) 0638243
MD90-30	AerSale	V2528-D5	53497	1998	Now	Sale / Lease	Shane O'Connell	shane.oconnell@aersale.com	+353 (87) 0638243
MD90-30	AerSale	V2528-D5	53506	1998	Now	Sale / Lease	Aidan Harrison	aidan.harrison@aersale.com	+353 (86) 3890787

Regional Jet / Turboprop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
(2) ATR42-300	Willis Lease	PW121			Now	Sale / Lease	Dave Johnson	djohnson@willislease.com	+1 415 408 4730
(3) ATR72-200	Willis Lease	PW124B			Now	Sale / Lease	Dave Johnson	djohnson@willislease.com	+1 415 408 4730
CRJ100ER	GA Telesis	CF34-3A1	7117	1996	Now	Sale / Lease	Harris Koutounidis	hkoutounidis@gatelesis.com	+1 954 676 3111
CRJ100ER	GA Telesis	CF34-3A1	7123	1996	Now	Sale / Lease	Harris Koutounidis	hkoutounidis@gatelesis.com	+1 954 676 3111
CRJ100ER	GA Telesis	CF34-3A1	7127	1996	Now	Sale / Lease	Harris Koutounidis	hkoutounidis@gatelesis.com	+1 954 676 3111
CRJ100ER	GA Telesis	CF34-3A1	7131	1996	Now	Sale / Lease	Harris Koutounidis	hkoutounidis@gatelesis.com	+1 954 676 3111
CRJ100ER	GA Telesis	CF34-3A1	7134	1996	Now	Sale / Lease	Harris Koutounidis	hkoutounidis@gatelesis.com	+1 954 676 3111
ERJ-135ER	Bristol Associates		145176	1999	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135ER	Bristol Associates		145186	1999	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135ER	Bristol Associates		145192	1999	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135LR	Bristol Associates		145332	2000	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135LR	Bristol Associates		145334	2000	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
ERJ-135LR	Bristol Associates		145323	2000	Now	Sale / Lease	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000



Commerical Engines

Engine Type	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					
(2) AE3007A1	Now - Sale / Lease	Engine Lease Finance	Ciaran McGlynn	ciaran.mcglynn@elfc.com	+353 61 291729
(1) AE3007A1	Now - Sale / Lease	Rolls-Royce & Partners Finance	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
CF34 Engines					
CF34-3A1/B1 (multiple available)	Now - Sale/Lease/Exch.	Magellan Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504-9204
(1) CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Tobias Konrad	t.konrad@lhaero.com	+49 (0) 6731 497461
(2) CF34-10E5					
(2) CF34-3B1	Now - Sale/Lease/Exch.	Willis Lease	Marty Jones	mjones@willislease.com	+1 (561) 809-0454
(1) CF34-8C5	Now - Sale/Lease/Exch.				
(1) CF34-8E5A1	Now - Lease	AeroCentury	Frank Pegueros	frank.pegueros@aerocentury.com	+1 650 340 1888
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
CF6 Engines					
(multiple) CF6-80C2A2/A5	Now - Sale/Lease/Exch.	Apollo Aviation Group	Erik Castillo	erikc@apollo.aero	+1 (305) 579-2340
(1) CF6-50C2	Now - Sale / Lease	Taking Aviation Forward, LLC	Konrad J Walter	konrad@TakingAviationForward.com	+1 954-445-8127
(1) CF6-80C2B4	Now - Sale / Lease	CTS Engines	Jim Green	jgreen@ctsenines.com	+1 954 889 0639
(1) CF6-80C2B6	Now - Sale / Lease		Jim Green	jgreen@ctsenines.com	+1 954 889 0639

Commerical Engines (cont.)

Engine Type	Sale / Lease	Company	Contact	Email	Phone
CF6 Engines (cont.)					
(1) CF6-80C2B6F	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760884250
(2) CF6-80C2A2	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF6-50 C2/E2	Now - Sale	Aircraft Systems Group	Bob Gallagher	r.gallagher@aircraftsystemsgroup.com	+1(727)376-9292
(1) CF6-80C2B6F	Now - Sale / Exchange	AeroTurbine	Todd Power	tpower@aeroturbine.com	+1 214-240-1145
(5) CF6-50	Now - Sale / Lease	Phoenix Aer Capital	Bob Gallagher	r.gallagher@aircraftsystemsgroup.com	+1(727)376-9292
(6) CF6-50C2	Now - Sale / Lease	ULS Airlines Cargo	Cem AKIN	cem.akin@uls-global.com	+90 212 496 0202
(1) CF6-80C2A8/A5	Now - Sale				
(1) CF6-80C2B1F	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 (617)828-3569
(1) CF6-80C2B1F	Now - Sale/Lease/Exch.	AerSale, Inc.	Matthew White	matthew.white@aersale.com	+353 86 3004189
(1) CF6-80C2D1F	Now - Sale/Lease/Exch.		Tom McFarland	tom.mcfarland@aersale.com	+1 305 764-3208
CFM56 Engines					
(1) CFM56-7B24	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 617 828-3569
(1) CFM56-5A3	Now - Lease				
(1) CFM56-5A3	Now - Sale / Lease	World Star Aviation Services	Sean O Connor	Soconnor@worldstaraviation.com	+1 415-956-9456
(1) CFM56-3B1	Now - Sale / Lease				
(1) CFM56-3C1	Now - Sale / Lease				
(2) CFM56-3C1	Now - Sale / Lease	Royal Aero	Frank Rustmeier	frank@royalaero.com	+49 (0)8025 99360
(1) CFM56-5A3	Oct 13 - Sale / Lease				
(2) CFM56-5B4P	Now - Sale / Lease				
(1) CFM56-5C4	Now - Sale / Lease				
(1) CFM56-3C1	Now - Sale		Mike Visconti	mike@avvenireservices.com	+1 305 753-6106
(5) CFM56-3C1	Now - Sale / Lease	Aergo Group	Michael Moore	mmoore@aergogroup.com	+353 1 676 1077
(2) CFM56-5C3	Now - Sale/Lease/Exch.	Magellan Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504-9204
(1) CFM56-3C1	Now - Lease	Lufthansa Technik Airmotive Irel.	Alan Phelan	engines@lta.ie	+353-87-2786738
(2) CFM56-3C1	Now - Sale/Lease/Exch.				
(2) CFM56-3B1	Now - Sale/Lease/Exch.				
(1) CFM56-3C1 (ZERO TSPR)	Now - Sale/Lease/Exch.				
(2) CFM56-3B2 (ZERO TSLSV)	Now - Sale/Lease/Exch.				
(2) CFM56-5A1/F	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
CFM56-3(s)	Now - Sale/Lease/Exch.	SES	Ivan Graydon	marketing@ses.ie	+ 353 61 70 6463
CFM56-5A(s)	Now - Sale/Lease/Exch.				
CFM56-5B(s)	Now - Sale/Lease/Exch.				
CFM56-7B(s)	Now - Sale/Lease/Exch.				
(1) CFM56-5B4/3	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4770
(1) CFM56-7B24 (Non-TI)	Now - Lease				
(2) CFM56-5C4	Now - Lease				
(1) CFM56-7B24/3	Now - Lease				
(5) CFM56-3C1	Now - Sale / Exchange	AeroTurbine	Todd Power	tpower@aeroturbine.com	+1 214-240-1145
(2) CFM56-5A3	Now - Sale / Exchange				
(1) CFM56-5A1	Now - Lease				
(1) CFM56-5A3	Now - Lease				
(2) CFM56-3B2	Now - Sale / Exchange				
(1) CFM56-3B1	Now - Sale / Exchange				
(2) CFM56-3B2	Now - Lease				
(1) CFM56-3B1	Now - Lease				
(5) CFM56-3C1	Now - Lease				
(2) CFM56-3	Now - Sale / Lease	Apollo Aviation Group	Erik Castillo	erikc@apollo.aero	+1 (305) 579-2340
(multiple) CFM56-5C4	Now - Sale/Lease/Exch.				
(2) CFM56 - 5C3	Now - Sale/Lease/Exch.	Magellan Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504-9204
(1) CFM56-7B20	Now - Sale/Lease/Exch.				
(1) CFM56-5C4	Now - Lease	ORIX Aviation	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
(3) CFM56-3B2	Now - Sale / Lease				
(1) CFM56-5A	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760884250
(2) CFM56-3C1	Now - Sale/Lease/Exch	PSG Turbines LLC	Karl Drusch	kdrusch@psgjets.com	+1-817-296-2705
(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
JT8D Engines					
(2) JT8D-219	Now - Sale/Lease/Exch	PSG Turbines LLC	Karl Drusch	kdrusch@psgjets.com	+1-817-296-2705
(1) JT8D-217C/219	Now - Sale / Lease	Azure Resources	Jeff Young	jeff@azureres.com	+1-954-249-7935
(1) JT8D-217C	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) JT8D-219	Now - Sale / Lease				
(1) JT8D-219 or -217	Now - Sale / Lease	Jet Midwest	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
(2) JT8D-219	Now - Sale / Lease	Phoenix Aer Capital	Bob Gallagher	r.gallagher@aircraftsystemsgroup.com	+1(727)376-9292
JT9D Engines					
(2) JT9D-7R4D/E	Now - Sale		John Titus	jtitus@aerocontrols.com	+1 253 269-3000
(1) JT9D-7A	Now - Sale				
(2) JT9D-7R4	Now - Sale / Lease	Phoenix Aer Capital	Bob Gallagher	r.gallagher@aircraftsystemsgroup.com	+1(727)376-9292
(1) JT9D-7R4D overhauled	Now - Sale / Lease	Jet Midwest	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
(34) JT9D-7R4D	Now - Sale / Lease				

Commerical Engines (cont.)

Engine Type	Sale / Lease	Company	Contact	Email	Phone
PW Small Engines					
PW100's (all models)	Now - Sale/Lease/Exch.	Magellan Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504-9204
PW100s (all models)	Now - Sale / Lease	Lufthansa Technik AERO Alzey	Tobias Konrad	t.konrad@lhaero.com	+49 (0) 6731 497461
(5) PW150A (also Pooling available)	Now - Lease				
(2) PW121 (ATR)	Now - Sale/Lease/Exch.	Willis Lease	Marty Jones	mjones@willislease.com	+1 (561) 809-0454
(1) PW121 (Dash 8)	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(1) PW125B	Now - Sale/Lease/Exch.				
(2) PW124B	Now - Sale/Lease/Exch.				
(2) PW150A	Now - Sale/Lease/Exch.				
(1) PW121	Now - Sale / Lease	Royal Aero	Frank Rustmeier	frank@royalaero.com	+49 (0)8025 99360
(1) PW150 (TT=0)	Now - Sale/Lease/Exch.	Magellan Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504-9204
PW4000 Engines					
(1) PW4056-3	Now - Sale/Lease/Exch.	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) PW4056-1	Now - Sale / Lease				
(1) PW4060-3	Dec 14 - Sale / Lease	Royal Aero	Frank Rustmeier	frank@royalaero.com	+49 (0)8025 99360
(2) PW4056-3	Now - Sale/Lease/Exch.	AeroTurbine	Todd Power	tpower@aeroturbine.com	+1 214-240-1145
(1) PW4056	Now - Sale / Lease	AerSale, Inc.	Tom McFarland	tom.mcfarland@aersale.com	+1 305 764-3208
(1) PW4168A	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760 884250
(1) PW4168A	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(1) PW4060	Now - Lease				
(1) PW4168A	Now - Sale / Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 (617)828-3569
(1) PW4056-1C	Now - Sale / Lease	Jet Midwest	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
RB211 Engines					
(1) RB211-535E4	Now - Sale/Lease	Rolls-Royce & Partners Finance	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
(1) RB211-535E4B	Now - Sale/Lease/Exch.	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) RB211-524H-T-36	Now - Sale / Lease	AerSale Inc.	Matthew White	matthew.white@aersale.com	+353 86 3004189
(1) RB211-535E4	Now - Sale / Lease				
(3) RB211-535E4	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760 884250
Trent Engines					
(1) Trent 800	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
Tay Engines					
(multiple) Tay 650-15	Now - Sale / Lease	Jet Midwest	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
V2500 Engines					
(1) V2527-A5	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(1) V2500-A1	Now Sale / Lease				
(2) V2533-A5	Now - Lease				
(1) V2500-A1	Now - Lease	ORIX Aviation	Dave Houlihan	dave.houlihan@orix.ie	+353 87 2458418
(1) V2500-A1	Now - Sale / Lease	GMT Global Republic Aviation	Adrian Mullan	amullan@GMT-Aviation.com	+1-303-923-2167
(1) V2528-D5	Now - Sale / Lease	AerSale, Inc.	Tom McFarland	tom.mcfarland@aersale.com	+353 1 210 3475
(1) V2527-A5	Now - Lease	AeroTurbine	Todd Power	tpower@aeroturbine.com	+1 214-240-1145
(1) V2533-A5	Now - Sale/Lease/Exch.	TES Aviation Group	Lee Whitehurst	lee.whitehurst@tes-uk.com	+ 44 (0) 7760 884250
(1) V2527-A5	Now - Lease	Engine Lease Finance	Joe Hussar	joseph.hussar@elfc.com	+1 617 828-3569
(1) V2533-A5	Now - Sale / Lease				
(1) V2533-A5 w/QEC	Now - Lease	Rolls-Royce & Partners Finance	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
(1) V2527-A5 w/QEC	Now - Lease				
(2) V2500-A1	Now - Sale / Lease				

Aircraft and Engine Parts, Components and Misc. Equipment

Description	Company	Contact	Email	Phone
NEW QEC for V2500	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
APU 3800298-1-2 (B767)	Jet Midwest	Kevin Lee / Cathy Liu	cathy.liu@jetmidwest.com	+1 310 652 0296
767-300ER Heavy (409K) Landing Gear (AR)	Azure Resources	Jeff Young	jeff@azureres.com	+1-954-249-7935
CFM56-3 Serv Modules (Fan/Booster/HPT/LPT/ AD compliant Gearboxes)	LHT Airmotive Ireland	Alan Phelan	engines@lta.ie	+353-87-2786738
737-800 NOSE LANDING GEAR PN 162A1100-5, OH - Now Sale	Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
(1) PW901A	LHT AERO Alzey	Tobias Konrad	t.konrad@lhaero.com	+49 (0) 6731 497461
GTCP131-9B, PW901A, GTCP331-200ER,	Aeroturbine	Aaron Putman	aputman@aeroturbine.com	+1 214-729-4268
GTCP131-9A, RE220RJ, GTCP331-350C				
APU T62-T-46C12 (Dash 8 Q400) SVC - available now - sale/exchange	Magellan Group	Ben Murphy or	sales@magellangroup.net	+353 61-474800 x429
APU GTCP36-150RJ (CRJ 100/200) SVC- available now - sale/lease/exch.	Shannon, Ireland	John McDonnell		

Wanted

Description	Company	Contact	Email	Phone
(1) 737-400 airframe wanted for tear-down purpose, any year of manufacture	Jet Midwest	Kevin Lee / Cathy Liu	kevin.lee@jetmidwest.com	+1 310 652 0296