

# AVI TRADER WEEKLY AVIATION HEADLINES

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## WORLD NEWS

### SITA keeps Air Mauritius A350s connected

SITA is providing wireless connectivity on the ground to Air Mauritius' new fleet of Airbus A350 aircraft, keeping the new-generation aircraft connected to the vital back-end systems no matter where they fly. It brings with it a unique complexity with large data exchange in its own unique protocol – Media Independent Aircraft Messaging (MIAM). This is designed to exchange large amounts of data between the aircraft and ground systems using multiple communication channels.

### EFW secures launch contract

Elbe Flugzeugwerke (EFW), the joint venture between ST Aerospace and Airbus, announced that it has secured a launch contract from Vallair Solutions Sàrl (Vallair) for its A321 passenger-to-freighter (P2F) conversion solution. The Germany-based aerospace company will convert 10 A321-200 passenger aircraft to a 14-pallet cargo configuration for Vallair. The first aircraft will be inducted in the last quarter of 2018, scheduled for redelivery by the end of 2019.

### L3 CTS Launches training programme for Jetstar Asia Airways

L3 CTS announced the launch of a new Jetstar Asia Airways Cadet Pilot Training Programme designed to develop high-calibre students into professional pilots for the airline. The programme will support the resourcing demands for the Singapore-based airline and demonstrates its commitment to train a new generation of qualified pilots as it continues to grow its network in the region.



Singapore was the platform for many services contracts.

Photo: Airbus

## Singapore Air show 2018

### Major OEMs cash in on services market

Boeing announced nearly \$1bn in services orders at the just ended Singapore Air show. The U.S. airframe manufacturer said services orders were valued at more than \$900 million.

“Boeing is serious about helping customers optimise the performance of their fleets and reduce operational costs throughout the lifecycle,” said Stan Deal,

President and CEO of Boeing Global Services. “Predicted growth for aerospace services in the Asia Pacific brings opportunities to partner with local industry to understand the region’s greatest needs, invest

in new capabilities to meet those needs, and then bring them to market quickly.”

Agreements signed at the show stretch across Boeing’s Global Services’ four capability areas, including parts; engineering, modi-

**“Boeing is serious about helping customers optimise the performance of their fleets and reduce operational costs throughout the lifecycle.”**

*Stan Deal, President, Boeing Global*

fications and maintenance; digital aviation and analytics; and training and professional services.

Singapore Airlines signed a contract to use Electronic Logbook on its

777 and 787 fleet. As a Boeing electronic flight bag app, the Electronic Logbook replaces paper logbooks with digital records that improve operational efficiency and reliability, reducing schedule interruptions.

Royal Brunei Airlines signed an agreement for five 787-8 overhead flight crew rest retrofits. The modifications, to be completed at Boeing Shanghai, will allow the carrier to fly the 787-8 airplanes on long-haul routes, providing increased operations flexibility to the fleet and operator.

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Boeing signed several other agreements.

Over at Airbus, the European OEM reported that AirAsia Group has confirmed that its existing and future A320 and A330 fleet will be powered by Airbus' Skywise predictive maintenance services. The scope encompasses AirAsia and AirAsia X's fleets across all the subsidiaries in Malaysia, Thailand, India, Japan, Philippines and Indonesia.

The airline currently has around 230 aircraft in service. This is complemented with an order backlog of around 470 Airbus aircraft – which includes 66 A330neos and over 400 A320/A321neos yet to be delivered. All of these aircraft will thus become Skywise-enabled.

Also, Hong Kong Airlines has selected Airbus to provide Flight Hour Services – Tailored Support Package (FHS-TSP) for its fleet of 21 A350 XWBs. With this latest deal, the number of aircraft covered by an Airbus FHS-TSP solution in the Asia-Pacific raises to over 300 from 13 customers, confirming the popularity of Airbus FHS services in the region.



Airbus will support Hong-Kong Airlines fleet of 21 A350 XWBs.

Photo: Airbus

## AIRCRAFT & ENGINE NEWS

### UAM acquires aircraft and engine portfolio from Airbus Asset Management

Universal Asset Management (UAM), a leader in aviation asset management, high-tech aircraft disassembly, and commercial aviation aftermarket solutions, has completed the acquisition of a portfolio of Airbus A340 airframes and engines from Airbus Asset Management for trading and component support. The portfolio, which includes three Airbus A340-300 airframes, one Airbus A340-500 airframe, nine CFM56-5C engines and eight Rolls-Royce Trent 500 engines, will be stored in Europe to augment trading and component support opportunities for the UAM customer base worldwide. "We are pleased to be working so closely with Airbus Asset Management on this transaction as we continue to expand our market presence in the EMEA region as well as Asia, in partnership with our parent company ARI, a wholly owned subsidiary of China Aircraft Leasing Group Holdings Limited (CALC)," Shawn Kling, President of UAM stated. "This transaction

comes on the heels of the recent order placed with Airbus of over US\$5bn in new aircraft from CALC, which I believe is demonstrative of our mutual commitment to work successfully with the Airbus family in providing full lifecycle solutions for commercial aircraft," added Kling.

### AerCap selects GEnx engines to power additional Boeing 787 Dreamliners

AerCap has selected the GEnx-1B engine to power its 15 Boeing 787 Dreamliners with the option to purchase 10 additional aircraft. The engine order is valued at more than US\$780m at list price and increases AerCap's GEnx-powered 787 Dreamliner fleet to 49 firm aircraft.

### Air Sénégal confirms its order for two A330neo aircraft

Air Sénégal, the national carrier of Senegal, has signed a firm order for two A330neo aircraft, the new re-engined version of the A330 wide-body airliner. The order follows the Memorandum of

Understanding signed in November 2017 at the Dubai Airshow.

### Royal Brunei selects LEAP-1A engine for new A320neo aircraft

Royal Brunei Airlines, the national flagship carrier of Brunei Darussalam, has selected CFM International's advanced LEAP-1A engine to power seven new Airbus A320neo aircraft, scheduled to begin delivery later this year. The engine order is valued at US\$200m at list price; the aircraft order was announced in 2014.

### 2017 CFM orders surpass 3,300 engines

Orders for CFM International's two product lines again achieved near-record levels in 2017, with the company booking orders for a total of 3,344 engines, including 474 CFM56 engines (commercial, military and spares) and 2,870 LEAP engines (including commitments and spares). The LEAP engine continues to be the powerplant of choice for new single-aisle aircraft, garnering

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more than 14,270 total engine orders and commitments (excluding options) at a value of more than US\$206bn at list price since 2011. Total CFM production remains at historic rates, with the company delivering a total of 1,444 CFM56 engines and 459 LEAP engines in 2017.

As the company continues the transition from CFM56 to LEAP production, the total number of CFM56 engines produced will continue to drop, with the full transition expected by 2020, at which time the company expects to be at a rate of more than 2,000 LEAP engines per year. CFM will continue to build CFM56 spare engines for many years beyond 2020 to support the in-service fleet and plans to produce spare parts for the program until around 2045.

**BOC Aviation orders 12 shipsets of Pratt & Whitney geared Turbofan™ engines**

BOC Aviation has announced firm orders for 12 shipsets of Geared Turbofan™ (GTF) engines to power new Airbus A320NEO family aircraft. These aircraft are part of the Company’s existing orderbook. The Geared Turbofan™ engine is offered through Pratt & Whitney, which is a division of United Technologies Corporation. “This order reflects our confidence in the GTF engine as a fuel-efficient solution that will power a significant portion of our A320 family fleet,” said Robert Martin, Managing Director and Chief Executive Officer, BOC Aviation. “We’re hearing good feedback from operators on the fuel economy of the GTF engine and look forward to delivering the benefits of this engine to our airline customers.”

**Embraer projects demand for 3,010 new deliveries in the up to 150-seats segment in Asia Pacific**

Embraer Commercial Aviation has released its market forecast for the Asia Pacific region at the Singapore Airshow. The Company estimates airlines will take delivery of 3,010 new aircraft in the segment up to 150-seats over the next 20 years, representing 29% of the worldwide demand for the segment in the period. The total demand for the global segment is for 10,550 new aircraft over the next 20 years.

Asia Pacific has experienced rapid social and economic development in recent decades. The region’s above-average economic expansion, with a projected annual GDP growth rate of 3.9% for the next 20 years, combined with increasing urbanization and shifting demographic patterns, will result in higher household incomes and increased discretionary spending, including air travel. “The ongoing over-capacity and intense compe-

**737 MAX to begin flight test in the coming weeks**



Boeing shows first 737 MAX7 at its Renton, Wash. factory

Photo: Boeing

Boeing has debuted the first 737 MAX 7 at the company’s Renton, Wash. factory. The MAX 7 is the third and newest member of Boeing’s 737 MAX family to come down the assembly line. The jet is designed for up to 172 passengers and a maximum range of 3,850 nautical miles, which is the longest range of the MAX airplane family. Technology improvements allow the MAX 7 to fly 1,000 nautical miles farther and carry more passengers than its predecessor, the 737-700, while having 18% lower fuel costs per seat. The first MAX 7 will now undergo system checks, fueling and engine runs on the flight line in Renton. The airplane, the first of two MAX 7 flight test airplanes, will begin its flight testing program in the coming weeks. The 737 MAX 7 is scheduled to enter service in 2019, following delivery to launch customer Southwest Airlines.

**Bangkok Airways signs for four additional ATR 72-600s**



Bangkok Airways and ATR have signed a contract for four-additional ATR 72-600s

Photo: ATR

Thailand’s airline Bangkok Airways and ATR have signed a contract for the purchase of four additional ATR 72-600s at the Singapore Airshow. The deal is valued at over US\$100m and will enable the airline to continue the modernization and harmonization process of its regional fleet around the ATR 72-600s. Today, Bangkok Airways operates a fleet of 15 ATR aircrafts, nine ATR 72-600s and six ATR 72-500s that are being progressively replaced with the introduction of the new ATR -600s. Deliveries of these four-additional aircraft, configured with 70-seats, will take place between October 2018 and March 2019.

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tion in the region has prevented airlines from delivering higher profits. In this regard, the E-Jets E2 can help airlines to open new markets at the lowest possible risk, complement larger fleet types to maximize profit, and achieve sustainable growth with higher profitability,” said César Pereira, Vice-President for Asia-Pacific, Embraer Commercial Aviation.

“We continue to identify to airlines opportunities in markets that are currently underserved or not served at all. With the E2’s, we can offer great operational flexibility, broaden the network reach to 2nd- and 3rd-tier cities, adding frequency to build competitive advantage and access to more airports without any limitations,” explained Pereira.

The Chinese start-up airlines will grow from small and mid-sized cities with subsidies to propel the development of regional aviation. The region needs a shift in focus from competing to creating new market space and seeking out untapped opportunities.

One great opportunity in the region for the E-Jets is the aging incumbent fleet, where there are more than 250 jets in the 50 to 150-seat category over 10 years of age, which will become targets for replacement in the near future.

**Rolls-Royce and Thai Airways International sign testbed agreement**

Rolls-Royce has announced an agreement with Thai Airways International (THAI) to deliver further testbed capacity to support its unprecedented Trent program activity. Rolls-Royce will use THAI’s testbed at Don Mueang Airport to support its Trent XWB engine program. THAI will carry out maturity and cyclic testing on the engine, providing a fuller understanding of engine performance over a sustained period of operation. Alongside sustained growth in engine production, Rolls-Royce is currently introducing three new large civil aero engines into service. The high-thrust version of the Trent XWB; the Trent XWB-97 will enter service in the coming weeks on the Airbus A350-1000, the Trent 7000 will power the A330neo into service later this year, and the Trent 1000 TEN entered service in November last year, powering the Boeing 787 Dreamliner. The 13-metre, 150,000lb thrust-capable testbed is currently used to carry out a limited number of engine pass-off tests.

Last month Rolls-Royce announced that it had secured the use of a testbed at the former Texas Aero Engine Services LLC (TAESL) facility in Fort Worth, Texas and last year it announced the development of a new testbed facility at its site in Derby, U.K., as part of an ongoing commitment to support the growth in delivery of engines expected over the coming years.

**New A330-800 rolls-out of paint shop**



The newest member of the A330neo Family, the A330-800, rolls out of the paint shop

Photo: Airbus

The newest member of the A330neo Family, the A330-800, has rolled out of the paint shop, on track for its first flight in mid-2018. The A330-800 is the new-generation 250-seater from Airbus’ leading twin-aisle family. With its 242-ton Maximum Take-Off Weight (MTOW) as the base variant, the A330-800 can operate routes of up to 7,500nm, and with the recently launched 251-ton MTOW variant, the aircraft can operate ultra-long-range routes of up to 8,150nm. The A330-800 will leverage the A330-200’s proven versatility, popularity and reasons for success, offering new-generation economics.

Building on the success of the A330-200 with over 600 aircraft in operation, the A330-800 brings new-generation economics and comfort in addition to unprecedented range to the 250-seat aircraft market. Together with the larger 300-seat A330-900, they share 99 percent commonality, having the same airframe, engines and cross-crew training. This gives operators great flexibility to use either aircraft in their fleet according to network needs in size and range. Both of these wide-body aircraft incorporate new Rolls-Royce Trent 7000 engines, zero-splice nacelles, titanium pylons, new wings and new Airspace by Airbus cabins. The most visible new features of the A330neo wings are the specially developed curved wingtip Sharklets – which draw on A350 XWB technology, extending the wingspan to 64 meters, providing state-of-the-art aerodynamic characteristics.

**Wijet to upgrade business jet fleet with the HondaJet**

Wijet, the French air taxi service which currently operates 15 business jets throughout Europe and North Africa, has signed a Memorandum of Understanding (MoU) with Honda Aircraft Company for multiple Japan-designed and American-built Hondajets. The MoU was signed on Thursday, Febr. 8, at the Singapore Airshow where the HondaJet has made its first-ever appearance. First delivery is expected during the first quarter of 2018. The HondaJet HA-420 is a 4-6-seat business jet which was designed in Japan and which is being manufactured in Greensboro, North Carolina in the U.S. The jet is easily recognisable with its Over-The-Wing Engine Mount (OTWEM) and is powered by two GE Honda Aero Engines HF20 turbopfans. At an altitude of 43,000 feet Honda claims the jet offers 20% fuel economy when compared to other aircraft in its class.

“There is no comparison to the HondaJet, in its category,” said Patrick Hersent, CEO of Wijet. “For our customers we offer the best-of-the-best in terms of products and experience while providing our partners with a safe and superior product at an affordable rate. The HondaJet does all of these things.” Wijet operates to over 1200 airports throughout Europe and North Africa and is the fastest-growing on-demand airline in Europe.

**Berjaya Hotels & Resorts acquiring ATR 42-500s**

Berjaya Hotels & Resorts will be acquiring two pre-owned ATR 42-500 aircraft that it plans to use to launch air services to the Malaysian island of Redang, where the hotel group has two resorts. Berjaya Hotels & Resorts’ decision to buy ATR 42-500s is testimony to the versatility of the ATR 42. The turboprop manufacturer sees a

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renewed interest in Asia Pacific and around the world for the ATR 42 as it is the right size aircraft for some operators. The upcoming launch of air services from Kuala Lumpur's Subang Airport to Redang Island will be a further example of how ATR aircraft can help to boost regional air connectivity and economic development.

**MRO & PRODUCTION NEWS**

**AirAsia X and AFI KLM E&M extend A330 component support contract**

Long-standing partners AirAsia X and AFI KLM E&M have extended the Malaysian budget carrier's A330-300 component support contract, originally signed in 2007. The new agreement involves extending the exclusive component support provided by AFI KLM E&M until the A330s are retired from the Air Asia X fleet, with an option to include additional aircraft in the scope of the agreement, as and when required by the airline. The services provided include repair, pool access, and related logistic services. Extended previously to include a number of additional aircraft, this latest agreement testifies to the strength of AirAsia X's relationship with AFI KLM E&M, which has supported the low-cost carrier since it began operations in 2007. Since that time, this pioneering partnership has extended to the AirAsia Group, with AFI KLM E&M now also providing component support services for the AirAsia fleet of A320neos.

**Turkish Technic and Atlasglobal sign component repair and supply contract**

Turkish Technic and Atlasglobal have signed an agreement for the repair and supply of components for Atlasglobal's Airbus A320 aircraft fleet. The agreement will be effective until 2023. The contract comprises component repair and supply on ATA Chapter basis. Access to components will be available from Turkish Technic's Istanbul main base and worldwide pooling stations. Repair work of the components will be carried out at Turkish Technic's Sabiha Gokcen facilities.

**AERIA Luxury Interiors secures VIP completion contract**

AERIA Luxury Interiors (AERIA), a specialist in VIP completion and refurbishment, has secured a contract for the completion of the

**Airbus completes first flight demonstration for its commercial parcel delivery drone 'Skyways'**



Airbus Helicopters' Skyways, commercial parcel delivery drone

Photo: Sylvain Ramadier

Airbus Helicopters' Skyways unmanned air vehicle (UAV) has successfully completed its first flight demonstration at the National University of Singapore (NUS). The drone took off from its dedicated maintenance center and landed on the roof of a specially designed parcel station where a parcel was automatically loaded via a robotic arm. Once successfully loaded with the parcel, the Skyways drone took off again and returned to land, demonstrating its automatic unloading capability. This inaugural flight demonstration follows the launch of the experimental project with the Civil Aviation Authority of Singapore (CAAS) in February 2016 to develop an urban unmanned air system to address the safety, efficiency, and sustainability of the air delivery business in cities such as Singapore. The collaboration was subsequently extended in April 2017 with Singapore Post (SingPost) becoming the local logistics partner to the project. Airbus Helicopters is the overall Skyways system architect and provider, contributing its capabilities in drone platforms as well as its concept of future parcel delivery. This concept involves systems and structures that allow drones to land, dock with secure structures, discharge or take on payloads, and then fly off to other destinations.

Boeing Business Jet BBJ 737-700. This will be the third Boeing Business Jet that AERIA is contracted for since it started operating in 2014. The aircraft is due for arrival in 1Q 2018 at its facility in San Antonio, Texas, USA which is part of ST Aerospace's global Maintenance, Repair and Overhaul (MRO) network. The interior, fully designed by AERIA, will feature a VIP stateroom complemented by an on-suite lavatory with showers, separate crew and passenger galleys, an office/meeting room, staff seating, additional lavatories and large 4K monitors throughout. The aircraft interior design will also feature gold plating, ornate details, and a balance of wood and luxurious fabrics in a light, refreshing color scheme.

**StandardAero to provide PW127M engine MRO services for Far Eastern Air Transport Corporation**

StandardAero has been awarded an exclusive,

eight-year agreement to provide Pratt & Whitney Canada (P&WC) PW127M engine maintenance repair and overhaul (MRO) services for Far Eastern Air Transport Corporation's (FAT) fleet of ATR72-600 aircraft. FAT is an airline with its head office in Taipei, Republic of China. FAT operates to 21 scheduled international and domestic destinations. Its international destinations include China, Japan, South Korea, Vietnam and Cambodia. StandardAero is a Pratt & Whitney Canada Designated Overhaul Facility (DOF).

**GE Aviation invests S\$42m in new aircraft engine component facility in Singapore**

GE Aviation will invest S\$42m in a new facility located in Singapore to manufacture components for its GE9X engine that will power Boeing's 777X aircraft. This facility will expand GE Aviation's presence in the country where

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the company operates a sizable aircraft engine component repair facility. The new 50,000 ft<sup>2</sup> facility will be located at the Seletar Aerospace Park and produce high-pressure compressor (HPC) vanes. The facility is expected to open in late 2018 with an initial workforce of 20 employees and could grow to employ about 100 skilled technicians and engineers by 2020. This facility will grow GE Aviation’s workforce in Singapore beyond the 1,800 employees currently employed at the engine component repair facilities located at Loyang Industrial Park.

**ST Aerospace secures interior reconfiguration contract from Air Canada for its 787 fleet**

ST Aerospace, through its US affiliate company, VT San Antonio Aerospace (VT SAA), has secured a contract from Air Canada to perform interior reconfiguration services on part of the airline’s Boeing 787 Dreamliner fleet. This cabin reconfiguration contract follows a long-term agreement with Air Canada, announced in June 2017, for heavy maintenance services on the Canadian operator’s 787 fleet. Marketed as part of ST Aerospace’s global network, VT SAA is one of the leading providers of maintenance and modification services for mainline and regional aircraft in North America, having more than 3,000 aircraft in its redelivery track record.

**Lufthansa Technik Shenzhen approved service provider for COMAC**

Chinese aircraft manufacturer COMAC (Commercial Aircraft Corporation of China) has officially approved Lufthansa Technik Shenzhen as their first MRO service provider in China for ARJ21 engine nacelles and components. Prior to the approval, the Lufthansa Technik subsidiary had successfully performed an on-site audit in December 2017. Located in the Chinese province of Guangdong, Lufthansa Technik Shenzhen had added the COMAC ARJ21 regional jet to its service portfolio in 2016. Since then, the company has carried out modifica-

**Comlux performs first Digital Maintenance on Hyundai Motor Company BBJ**



Comlux performs its first Digital Maintenance on Hyundai BBJ

Photo: Comlux

Comlux Completion, Comlux’s completion and service center in Indianapolis and approved by Airbus, Boeing and Bombardier, has successfully performed its first Digital Maintenance inspection on the BBJ of Hyundai Motor Company. The Digital Maintenance process allows that all task cards and part tracking efforts are performed electronically using wireless tablets and bar code scanners, instead of using paper task cards and boards. Documentation can now be directly entered into the system via hand-held devices rather than at an off-aircraft computer workstation, thus allowing technicians to stay on task at the aircraft. The supervisors can assign tasks electronically and have a real-time live view of work progression. On the project management side, the purchase orders for parts and services can also be viewed real time against the specific maintenance tasks that required them for instantaneous reporting. This enhances the client experience during the event, as real time digital reporting enables seamless oversight throughout the maintenance event.

tions to several shipsets of the regional jet’s engine fan cowls and thrust reversers. Lufthansa Technik Shenzhen is authorized by Middle River Aircraft Systems (MRAS), a subsidiary of General Electric, to carry out maintenance, repair and overhaul for ARJ21 engine nacelles.

**EASA issues single Production Organisation Approval to Airbus Helicopters**

The European Aviation Safety Agency (EASA) and Airbus Helicopters have implemented a new single Production Organisation Approval (POA). This replaces previous national approvals from France, Germany and Spain by a



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single, integrated framework allowing for simplified industrial exchanges between Airbus Helicopters' manufacturing facilities and supporting the company's industrial strategy of site specialization across Europe. "The implementation of the single POA allows us to work as a truly integrated company, and ensures that our various sites are no longer considered as each other's suppliers from a regulatory perspective", said Christian Cornille, Airbus Helicopters Executive Vice-President Industry. Since June 2016, Airbus Helicopters is also operating under a single Design Organisation Approval (DOA) from EASA which has simplified and harmonized development processes and facilitated the implementation of an increased transnational approach to certification, including through the establishment of a unified airworthiness office within Airbus Helicopters.

**Lufthansa Technik in partnership with Crane Aerospace & Electronics**

Lufthansa Technik AG and the American component manufacturer Crane Aerospace & Electronics have agreed on a cooperation covering component supply for Europe, the Near and Middle East and Africa (EUMEA), as well as Asia Pacific (APAC). Lufthansa Technik will support the urgent supply of a number of components to all customers in these regions on Crane's behalf. The cooperation was initially concluded for a term of five years and covers, in particular, all the components and systems for the strongly growing fleets of the Boeing 737 (NG and MAX) and Airbus A320 (ceo/neo) aircraft families, including, for instance, pumps, valves and wheel speed transducers. In the event of unplanned technical problems such as Aircraft on Ground (AOG) or work stoppage, where Crane is unable to meet the customer's timeline, Lufthansa Technik supports the customer using their worldwide logistic network and stocking locations to supply Crane components as fast as possible on-site. In the EUMEA or APAC region, customers can contact either Crane or Lufthansa Technik directly for support.

**SIA Engineering Company to form joint venture with GE Aviation**

Mainboard-listed SIA Engineering Company (SIAEC) and GE Aviation (GE) will be signing a joint venture agreement to form an engine overhaul joint venture based in Singapore. This follows the first announcement of the proposed partnership on June 20, 2017. Under the agreement, GE will hold a 51% equity

**GECAS to introduce Telair's new Flexible Loading System™ with Boeing 737-800 converted freighter operators**



GECAS will offer Telair's new Flexible Loading System to GECAS' 737-800 freighter conversion customers Photo: GECAS

Telair International AB has received certification for its new Flexible Loading System™ (FLS) for all current production and in-service Boeing 737 aircraft. The system allows 737 operators to carry containerized cargo (baggage, mail, and parcel freight) in the lower hold of the aircraft, along with bulk-loaded bags. Commercial aviation lessor GECAS will offer the new Flexible Loading System to GECAS' 737-800 freighter conversion customers on aircraft entering service this year. As announced at last year's Paris Airshow, GECAS plans to convert 30 737-800s to freighters, with deliveries beginning in 2018.

stake in the joint venture, with SIAEC holding the remaining 49%. The agreement is subject to regulatory approvals being obtained in the relevant jurisdictions. The GE90 engine exclusively powers the Boeing 777-300ER and 777-200LR, and the GE9X engine is the sole engine selection for the Boeing 777X aircraft. The joint venture will leverage best practices from GE's "Brilliant Factory" concepts, combining advanced technologies and lean practices with digitization and data analytics to enhance productivity.

**Boeing announces close to US\$1bn in services orders at Singapore Airshow**

Boeing has reported services orders valued at more than US\$900m at the first day of the Singapore Airshow. The agreements stretch across Global Services' four capability areas, including parts; engineering, modifications and maintenance; digital aviation and analytics; and training and professional services. Regional agreements include, in part: All Nippon Airways signed a contract for 36

landing gear exchanges for the 787. China Southern Airlines and Guangzhou Aircraft Maintenance Engineering Company (GAMECO) signed an agreement to develop service capabilities for the Boeing Global Fleet Care portfolio, as well as enhanced component and composite repair capabilities. Malaysia Airlines signed an agreement for 48 landing gear exchanges for the Next-Generation 737. Through the program, operators receive an overhauled and certified landing gear from an exchange pool maintained by Boeing, with stocked components and supporting parts shipping within 24 hours. Nippon Cargo Airlines signed a five-year agreement to renew Jeppesen charting and electronic flight bag services to optimize navigation and flight operations across their 747 fleet. Royal Brunei Airlines signed an agreement for five 787-8 overhead flight crew rest retrofits. The modifications, to be completed at Boeing Shanghai, will allow the carrier to fly the 787-8 airplanes on long-haul routes, providing increased operations' flexibility to the fleet and operator.

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SilkAir signed an agreement to receive fleet material services for 54 of its 737 MAX and Next-Generation aircraft. Fleet material services include Component Services Program, Integrated Material Management and Customer Furnished Parts, providing the customer with a centralized supplier of parts.

Singapore Airlines signed a contract to use the Electronic Logbook on its 777 and 787 fleet. As a Boeing electronic flight bag app, the Electronic Logbook replaces paper logbooks with digital records that improve operational efficiency and reliability, reducing schedule interruptions.

Singapore's Defense Science and Technology Agency signed an agreement to engage in collaborative research and experimentation activities, powered by Boeing AnalytX.

Worldwide agreements announced include: Alaska Airlines signed an agreement to renew Jeppesen Flight Planning for its 737 fleet.

Biman Bangladesh Airlines has expanded its use of Boeing's Component Services Program by adding the service to support induction of new 787 aircraft that will enter its fleet in August this year, in addition to expanding and extending current component service coverage of its existing 737 and 777 fleets. With this service extension, Biman is on CSP support for all three of its airplane models.

DHL has ordered one 767-300ER Boeing converted freighter. Boeing converted freighters carry high-density cargo on long-range routes, as well as e-commerce cargo on domestic and regional routes.

Honeywell Aerospace signed a contract extending Aviall's product support agreement as the exclusive distributor for Honeywell Aerospace through 2022, covering interior and exterior lighting equipment for all commercial aftermarket product sales. Products covered include indicators, annunciators and other components used on commercial aircraft.

Lufthansa Group signed an agreement for 25 landing gear exchange and overhauls across its 777-200F and 777-300ER fleets for AeroLogic, Lufthansa Cargo and Swiss International Airlines. The service eliminates the need for operators to contract, schedule and manage the

Asiana Airlines signs agreement with Lufthansa Technik Philippines for A380 base maintenance



Lufthansa Technik Philippines and Asiana Airlines sign 5-year, A380 base maintenance contract

Photo: LHT

On February 7, Lufthansa Technik Philippines and Asiana Airlines signed a five-year agreement for base maintenance. From 2018 to 2022, Lufthansa Technik Philippines will be carrying out a total of 14 checks on the South Korean airline's A380s. Asiana Airlines first took delivery of its A380s in 2014 and has six A380s at present. Over the next five years, they are scheduled to undergo light to heavy maintenance checks. In addition to these checks, Lufthansa Technik Philippines is also commissioned to carry out modifications on the doors, flap tracks, wing tips, engine feed fuel pump system, and other structural modifications.

overhaul process.

Parker Aerospace's Aircraft Wheel & Brake Division signed a five-year master distributor agreement with Aviall for its Cleveland Wheels & Brakes product line. Aviall will forecast, warehouse and market through its network, including Parker AWB's former network of direct distributors.

Tianjin Air Capital signed a contract with AerData for Secure Technical Records for Electronic Asset Management, a tool that transforms operations by replacing paper documents with digital ones, for a fleet of more than 50 aircraft.

Tunisair signed a contract to integrate Jeppesen Aviator services on iPad into its flight operations, reducing pilot time spent on data entry and accessing individual apps.

Lufthansa Technik Shenzhen is expanding its service portfolio

Lufthansa Technik Shenzhen is developing into a comprehensive MRO services provider by significantly expanding its service portfolio. The German-Chinese company is strengthening its capabilities in the fields of component

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## MRO & PRODUCTION NEWS

repair and composite repair (Airframe Related Components, ARC®) as well as engine part repair. Extending its Logistics Services, mobile engine services, the Airline Support Team (AST®), Lufthansa Technik Shenzhen is reinforcing its position as a trusted partner in the Asia Pacific region. Lufthansa Technik Shenzhen with its 600 employees recently built facilities to support the latest aircraft types – Airbus A350, Boeing 777 and Boeing 787. For 2018, A350 capability will include components such as thrust reverser actuator, hydraulic pumps, and batteries.

Detlev Jeske, CEO and President of Lufthansa Technik Shenzhen commented: “Lufthansa Technik Shenzhen follows the path of a continuous expansion of its range of products by adjusting accurately to the requirements of the customers in the region. This way we are offering the profound know-how and up-to-date technology of the Lufthansa Technik Group in the Asia Pacific region.”

### GE seeks to narrow manufacturing skills gap in Lafayette

After creating eight factories across the U.S. over the past decade, GE Aviation is working to narrow the “skills gap” facing many young Americans seeking jobs in today’s advanced manufacturing plants.

More than ever, GE Aviation collaborates with universities, technical colleges and public schools on job training programs in communities where it operates plants. Nowhere is it more critical than at GE’s jet engine assembly plant in Lafayette, Indiana, in the shadow of storied Purdue University. This is because GE’s Lafayette operation, which opened in 2015, is in the throes of the fastest production ramp-up for a commercial jet engine since jetliners were first introduced in the 1950s. Also, Lafayette needs shop-floor technicians holding a Federal Aviation Administration (FAA) airframe and powerplant license to perform the diverse technical tasks on sophisticated equipment inside the new facility. GE’s Lafayette factory produces the “LEAP” engine for CFM International, a 50/50 joint company between GE and Safran Aircraft Engines of France. More than 14,000 LEAP engines are on back order to power three popular twin-engine airplanes: the Airbus A320neo, Boeing 737 MAX, and China’s COMAC C919.

### REVIMA APU enhances accessory services with new Bauer test stand

Revima APU, a major APU (Auxiliary Power Unit) maintenance services provider head-

quartered in France, has acquired and started operating a new APU starter motor test stand delivered by Bauer. This investment in high-quality, latest-technology test equipment increases Revima APU’s in-house capacity to support APU LRU’s (Line Replaceable Units). Philippe Follin, LRU Business Unit Manager at Revima APU, commented: “This investment is, motivated by our goal to give our customers the best service in the industry, on the widest range of APU LRU’s. Our new Bauer test stand’s high throughput and reliability will ensure the fastest possible turn time on LRU repairs. It is also allowing us to expand our in-house LRU repair capabilities on new products such as the GTCP131 and PW980.”

Bauer is one of the world’s longest-serving manufacturer of high-quality test and support equipment for the commercial and military aviation industries.

### AAR and Indamer sign joint venture agreement for new MRO facility in India

Aviation services provider AAR has announced a joint venture with Indamer Aviation, a leading aviation company in India, for the development of a new airframe maintenance, repair and overhaul (MRO) facility in Nagpur, India. The new MRO facility, which is already under construction, will initially be comprised of six narrow-body bays, including one bay for paint. Additional phases are planned for a total of 16 bays, as well as component repair shops. The MRO will serve India’s fast-growing commercial aviation market and is scheduled to open in the fall with FAA, EASA and DGCA certifications. Fully aligned with the ‘Make in India’ initiative, the facility will employ Indian nationals, including some of the existing Indamer workforce. A training school under Indamer’s CAR 147 certification and the Government of India’s Skill Development Program will allow hundreds of students to gain skill sets and employment in Nagpur. The initial group of students will receive practical training at one of AAR’s MRO facilities in the United States.

### EFW signs Lol with Guangdong Aerocity for A320P2F conversion

Elbe Flugzeugwerke (EFW) has entered into a Letter of Intent (LOI) with Guangdong Aerocity (GDA) for a potential order of 10 A320 Passenger-to-Freighter (P2F) conversions to be carried out by EFW for the latter. The LOI has a validity period till the end of 2018. It was signed just a day after EFW announced it has secured a launch contract for an order of 10 A321P2F conversions at Singapore Airshow 2018. Dr Andreas Sperl, CEO of EFW said, “Similar to the A321P2F solution, A320P2F offers unique features such as both upper- and

lower-deck containerized loading which make them an attractive option in the narrow-body freighter segment. We hope to secure a firm order before long from Guangdong Aerocity, whom we look forward to supporting together with our parent company, ST Aerospace and its global network of maintenance facilities.”

### AJW Group signs supply chain management contract with Bombardier Business Aircraft

AJW Group has signed a long-term agreement with Bombardier, undertaking all repair management for Bombardier’s rotatable inventory in a major strategic win for the company. The contract with the airframe OEM, Bombardier, represents a substantial expansion of AJW’s portfolio with the introduction of a new platform. The families of Bombardier business aircraft covered include the Learjet, Challenger and Global series.

A key feature of the contract is the strategic sourcing of repairs from OEMs and MROs, including AJW’s maintenance hub for component repair and overhaul service, AJW Technique. AJW will manage the repair process back-shop, optimizing performance, and efficiency of the services, while reducing operating and total life cycle costs for Bombardier business aircraft. As part of the agreement, AJW is providing dedicated repair specialists, utilizing its world-class portal and predictive analysis to support Bombardier in improving customer service, component reliability and time on-wing.

### TS&S and Atlas Copco partner to revolutionize MRO assembly processes

Turbine Services & Solutions (TS&S), a leading maintenance, repair and overhaul (MRO) provider for gas turbines and driven equipment wholly owned by Mubadala Investment Company, and Atlas Copco, a world-leading provider of sustainable productivity solutions, are set to collaborate on an extensive digital optimization process, it was announced during the Singapore Airshow. The partnership will enable TS&S to be the first MRO outside of the United States and Europe to embrace the smart connected assembly technology. The framework will enable TS&S to enhance its processes through data generated solutions that regulate and recognize improvements throughout its aerospace assembly process. Also referred to as the Smart Connected Assembly, the process will support optimization by reducing the time spent on assembling engines. This is achieved using the technology to support the technician to improve productivity, reduce the risk of error and provide total data traceability.

MRO & PRODUCTION NEWS

The new technology will further support TS&S' expanding service line and capabilities, headquartered from a state-of-the-art facility in Abu Dhabi International Airport. The company has plans to digitize its operations to improve efficiency across its MRO operations. To this end, TS&S signed an agreement with Honeywell in January 2018 to implement a "Maintenance and Inspection" (M&I) voice system.

FINANCIAL NEWS

**Spirit AeroSystems reports fourth-quarter and full-year 2017 financial results**

Spirit's fourth-quarter 2017 revenue was US\$1.7bn, up 9% from the same period in 2016, primarily driven by higher recurring and non-recurring activity on the Boeing 737 program, higher production deliveries on the 787 program, and increased defense-related activity, partially offset by lower production deliveries on the Boeing 777 program. Revenue for the full year increased 3% to US\$7.0bn, primarily due to higher recurring and non-recurring activity on the Boeing 737 program, higher production deliveries on the Airbus A350 XWB and A320 programs and increased defense-related activity, partially offset by lower production deliveries on the Boeing 777 program and decreased Global Customer Support and Services (GCS&S) activity. Spirit's backlog at the end of the fourth quarter of 2017 was approximately US\$47bn, with work packages on all commercial platforms in the Boeing and Airbus backlog. Operating income for the fourth quarter of 2017 was US\$227m, up 41% compared to US\$161m in the same period of 2016, primarily due to higher non-recurring activity on the Boeing 737 program and favorable changes in estimates on the Boeing 787 program, partially offset by unfavorable changes in estimates on the Boeing 737 program. Operating income for the full year was US\$569m, down compared to US\$725m in 2016, with the decrease primarily due to the impact from the MOU with Boeing entered into during the second quarter of 2017. Fourth-quarter EPS was \$1.07, up compared to \$0.89 in the same period of 2016. Fourth-quarter adjusted EPS was \$1.32, up 48 percent compared to \$0.89 in the same period of 2016. Full-year EPS was \$3.01, down compared to \$3.70 in 2016. Full-year adjusted EPS was \$5.35 in 2017, up 17% compared to \$4.56 in 2016.

MILITARY AND DEFENCE

**Embraer and SkyTech sign letter of intent for up to six KC-390 multi-mission aircraft**



Embraer and SkyTech sign LOI for up to six KC-390 multi-mission aircraft

Photo: Embraer

At the Singapore Airshow, Embraer Defense & Security announced, the signing of a Letter of Intent with aviation services company SkyTech for up to six new KC-390 multi-mission transport aircraft. The aircraft are earmarked for multiple defense projects and both companies have also agreed on a potential strategic collaboration to jointly explore new business opportunities in training and services. SkyTech is the result of a partnership between two long-standing players in the field of defense services: aircraft, complete crew, maintenance, and insurance (ACMI) company HiFly, from Portugal, and Australian aviation services and charter provider Adagold Aviation.

**WestJet reports fourth-quarter and full-year results**

WestJet has released its fourth-quarter and year-end results for 2017, with full-year net earnings of CA\$283.6m. compared with net earnings of CA\$295.5m reported in the full-year 2016. The airline reported fourth-quarter net earnings of CA\$48.5m, compared to CA\$55.2m reported in the fourth quarter of 2016. Based on the trailing twelve months, the airline recorded a return on invested capital of 10.0%, down 0.2 percentage points from the 10.2% reported in the previous quarter. (US\$1.00 = CA\$1.25 at time of publication.)

MILITARY AND DEFENCE

**French Air Force' C-130H logistics contract awarded to Sabena Technics**

Sabena technics has been selected by the French Ministry of Defence's maintenance service (SIAé) for the supply of spare parts and components as part of the logistical support of the French Army's C-130H aircraft fleet. Within the terms of this seven-year contract, Sabena technics will be in charge of the provision of an initial stock, the supply of consumable spare parts and ingredients at the Clermont-Ferrand maintenance site and Orléans Air Force base (BA 123), standard exchange for repairable spare parts, PBH repair of some

MILITARY AND DEFENCE

rotables and the transportation of spare parts in and outside metropolitan France. Last year, Sabena technics was awarded with a seven-year contract for the training of SIAé's C-130H B1 and B2 technicians. Starting July 2018, this training will be completed, with detachments of expert staff, in Clermont Ferrand providing technical support for the first major checks.

**Baines Simmons wins two NATO contracts**

Baines Simmons, part of the Training & Consultancy division of global aviation services group Air Partner, has secured two separate contracts with NATO operating units, the Heavy Airlift Wing at Papa, Hungary, and the AWACS unit (Airborne Warning and Control System) in Geilenkirchen, Germany. Both contracts have a duration of around three months.

Baines Simmons has been appointed to help the units to understand the benefits and the challenges associated with EMAR (European Military Airworthiness Requirements) 21, 145 and M implementation. A large number of NATO nations, including the USA, provide personnel to the units, so these contract wins will enable Baines Simmons to demonstrate the benefits of EMAR implementation to a wider international audience and further develop a common understanding of the requirements. The EMARs are issued by the European Defence Agency (EDA) and outline how airworthiness of military aircraft is initially certified, managed and maintained, through life. Based on the proven European civil regulations, the EMARs provide the potential to enable the armed forces to get more out of their aviation assets, whilst at the same time achieving

significant savings.

Baines Simmons' unique performance-focused and practical implementation approach is intended to help Military Aviation Authorities (MAAs) and wider Ministries of Defense (MODs) understand the intent of the requirements and set the foundations for performance, realizing the benefits enjoyed by commercial aircraft operators.

**Airbus signs Declaration of Intent with A400M launch customer nations**

Airbus has signed a Declaration of Intent (DoI) with the A400M Launch Customer Nations (Germany, France, United Kingdom, Spain, Turkey, Belgium, Luxemburg) defining the framework for achieving a mutually binding contract amendment later in the year. Airbus, European defense agency OCCAR and the Customer Nations have agreed to work on a number of contractual elements including a revamped delivery plan as well as a roadmap for the development and completion of military capabilities for the A400M.

The DoI, finalized on February 7, represents an important step towards reaching a contractually binding agreement with OCCAR and the Launch Customer Nations in 2018 to mitigate risks and to ensure the future of the program. OCCAR is managing the A400M program on behalf of the seven Launch Customer Nations. This Declaration of Intent provides a new baseline on which to evaluate the A400M contract. An increase to the Loss Making Contract provision on the program, which may be material, is under assessment for the Full Year 2017 results, which will be disclosed on February 15, 2018. With a clear roadmap in place, the remaining exposure going forward would be more limited.

OTHER NEWS

**Satair Group**, a global leader in the material management business and an **Airbus services company**, is launching an adapted name change at the 2018 Singapore Air Show – Satair – along with a new logo and visual identity. In 2014, Satair Group, a wholly owned Airbus subsidiary, was formed from the merger of the Airbus Material and Logistics Management division and the former Satair Group. Since then, Satair Group has extended its product range and services portfolio continuously and many new multi fleet applicable OEM product lines have been added. In addition, Airbus standard parts, Airbus tools, as well as Airbus used parts have been geared up to the largest scope ever. The company has developed equally drastically within the game-changing technology of 3-D printing and has successfully launched revolutionary full-scale outsourcing solutions such as Integrated Material Services.

By end 2018, Satair will do the next step-change for making customer interfaces more lean, efficient and easy to deal with, by integrating today's two operating market channels, Satair Distribution and Airbus Material and Supply Chain Services under one brand: Satair. Customers will benefit from one order desk, one contract services and one e-commerce portal. A clear focus on true customer satisfaction and a strong move to embrace opportunities offered by digitalization are being expressed in Satair's new visual identity.

As a key part of the Airbus services business, the new Satair visuals reflect the close integration of the business through fully leveraging Airbus customer services' capabilities. Satair continues to be an agile stand-alone company offering OEMs and customers everything from parts management to parts premium services, as well as supply chain solutions for all types of aircraft. The business is also celebrating the



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PASSENGER STATISTICS - JANUARY

- **Finnair** has reported total traffic in January increased 19.3%, while capacity increased 19.8% compared to the same period in 2017. Total load factor for January was down 0.4 points to 80.1%, compared to January 2017.
- **WestJet** has reported January 2018 traffic results with a load factor of 82.6%, an increase of 2.6 points year over year. Traffic increased 6.5% year over year, and capacity grew 3.1% over the same period. The airline flew 2.0 million guests in January, a year-over-year increase of 7.9% or approximately 150,000 additional guests.
- **Norwegian's** January total traffic increased by 29% and capacity increased by 30%. The load factor for the month was 82%, down 1.0 point.
- **SAS'** scheduled traffic in January decreased 7.1% and capacity was up 0.3%. The load factor decreased by 5.1 points versus last year to 63.9%.
- **Ryanair** has reported that traffic for January 2018 increased 6% to 9.3m customers, while the load factor for the month rose 1 point to 91%.
- **IAG** reported that Group traffic in January increased by 3.2% versus January 2017, while Group capacity rose by 2.8% year over year. Group load factor increased 0.2 points to 78.4%.

OTHER NEWS

60th anniversary of the founding of the original company, which was created as Scandinavian Air Trading Co A/S, just before Christmas 1957.

**Air Transport International (ATI)** has reached a tentative agreement to amend the collective bargaining agreement with its pilots group, currently numbering more than 220 flight crew members.

ATI's pilots are represented by the **Air Line Pilots Association (ALPA)**. ATI and ALPA have been negotiating amendments to the current collective bargaining agreement since it became amendable in May 2014. The tentative amended agreement would extend for four years from the date of ratification by the ATI pilots. Terms of the tentative amended agreement were not disclosed, but will be presented to the ATI pilot group prior to holding a ratification vote. The vote is expected to be completed prior to the end of March.

**Panasonic Avionics** and **Kenya Airways** have signed an agreement to provide inflight entertainment (IFE) services and passenger technical solutions for 24 of the carrier's narrow-body and wide-body aircraft.

The agreement includes ten Embraer 190 aircraft line-fitted with Panasonic Avionics' eFX IFE system, five Boeing 737-800 aircraft fitted with eX1, and nine Boeing 787-8 aircraft equipped with eX3. Kenya Airways is a leading African airline flying to 53 destinations worldwide, 42 of which are in Africa. It carries over three million passengers annually. Kenya Airways continues to modernize its fleet with its 36 aircraft being some of the youngest in Africa, including its flagship Boeing 787 Dreamliner aircraft. eFX delivers entertainment and productivity tools including music, movies, games, TV series, destination presentations and a moving map in a single-aisle package.

**AirAsia** and **GE Aviation** have signed a four-year agreement for GE to provide the electronic Flight Operations Quality Assurance (eFOQA) and the FlightPulse pilot application for Air-

Asia's fleet of about 355 A320 and A330 aircraft and 4,000 pilots. GE Aviation's eFOQA service uses flight data generated by the aircraft and its systems, and applies proprietary data management and analytics technology to help AirAsia better manage its fleet, providing previously unavailable insight into its operations. FlightPulse and eFOQA are being implemented into AirAsia's operations in 2018.

**Smiths Detection**, a global leader in threat detection and screening technologies for aviation, ports and borders, urban security and military markets, has released that the **Airports Authority of India (AAI)** has placed an order for multiple CTX 9800 DSiTM systems at a combined value of over US\$50m.

Through a global competitive tender process conducted by AAI, Smiths Detection won the bid to install and integrate high-speed explosives detection systems (EDS) for hold-baggage screening at 11 sites across nine airports in India, including Chennai International Airport and Netaji Subhas Chandra Bose International Airport in Kolkata. "The Indian market is forecast



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OTHER NEWS

to be the third-largest aviation market in the world by 2026, so security is a mission-critical factor in enabling India's airports to be future-ready. Smiths Detection is honored to partner with AAI – supporting airports to stay ahead of the evolving threat landscape with a technological solution that is fully compliant with regulatory requirements,” said Jerome de Chasse, General Manager of Smiths Detection in India. AAI manages a total of 125 airports in India and is responsible for creating, upgrading, maintaining and managing civil aviation infrastructure both on the ground and in the air. The organization is also responsible for building new terminals for the many new small airports under development by the Government of India. Working in partnership with Smiths Detection, AAI will implement ECAC Standard 3 screening of hold baggage at Level 1 for inline systems across the country. This complies with regulations set by the Bureau of Civil Aviation Security (BCAS), the regulatory authority for civil aviation security in India.

In November and December 2017, MRO services provider **SR Technics**, jointly with **ZbW St. Gallen**, a leading Swiss institution in higher vocational education and training (hVET), held a six-week advanced training program for 15 Indonesian polytechnic instructors. The training marked the start of a major “lecturer retooling” program launched last year by the **Indonesian Ministry of Research, Technology and Higher Education**. Its goal is to enhance the skills and knowledge of up to 1,500 instructors over the next five years. The pilot course, which was led in St. Gallen and Zurich Airport, provided a baseline experience for the regular courses that will be deployed over the next years. The general program concept was developed by **SITECO**, a Swiss NGO promoting dual vocational education and training (dVET) in selected countries. The courses in mechanics, mechatronics and electro technic shall be performed in different education centers in Germany, Austria and Switzerland, known for their dVET systems. Providing apprentices with practical skills in industrial companies, dVET has significant positive effects on youth unemployment, skill shortages, productivity, competitiveness and innovation. Foreign governments and industries are therefore increasingly interested in such systems and mechanisms. The 2017 pilot course successfully met its targets, as a monitoring and evaluation team of the Ministry verified during the week of the last course.

The **International Air Transport Association (IATA)** and the **Civil Aviation Authority of Singapore (CAAS)** announced the signing of a



Lufthansa revealed its new, modernized brand image

Photo: Lufthansa

**Lufthansa** revealed its new, modernized brand image to customers and employees at two major events at the Frankfurt and Munich hubs on Wednesday, February 7. The most visible change is the new aircraft livery. In front of more than 3,000 guests in Frankfurt and Munich, Lufthansa officially presented a Boeing 747-8 and an Airbus A321 with the new design. In the previous week, individual details created interactive discussions, especially on social media. The response to the new appearance was predominantly positive, although some people missed the traditional yellow tone; nevertheless, it will receive a specific function to serve as a means of orientation and differentiation. The color will be found in the future, on every boarding pass and at every Lufthansa counter at the airport, among other things. “Lufthansa has changed and is more modern and successful than ever. From now on, this will also be visible to the public through a new design”, says Carsten Spohr, Chairman of the Executive Board of Deutsche Lufthansa AG. “The crane has always been with us and clearly stands for the promising performance from Lufthansa. To this day, it still stands as a symbol of highest quality, excellent service, flying expertise, reliability, innovative spirit; and it stands for trust.”

Memorandum of Collaboration (MoC) to establish a Global Safety Predictive Analytics Research Center (SPARC) in Singapore. The MoC was signed by Alexandre de Juniac, IATA's Director General and CEO, and Kevin Shum, Director General of CAAS. SPARC will utilize predictive analytics to identify potential aviation safety hazards and assess related risks by leveraging the research capabilities in Singapore, and operational flight data and safety information that are available under IATA's Global Aviation Data Management (GADM) initiative. End users across the aviation community can then work collaboratively at the system level to address and implement appropriate safety measures to mitigate the risks, or even to prevent the occurrences of safety hazards. The first area of focus for SPARC will be runway safety, such as runway excursions, which is the category of the most frequent accidents in recent years, according to IATA's analysis. “Safety is aviation's highest priority and all stakeholders are com-

mitted to making flying even safer. The accident investigation process will continue to be a fundamental tool in improving safety. However, as the number of accidents declines, we need to take a system-based, data-driven, predictive approach to preventing accidents, including analyzing the more than 10,000 flights that operate safely every day. The Singapore Government and the CAAS have been strong partners of IATA and we look forward to working with them through SPARC to help to take aviation safety to an even higher level,” said de Juniac.

**Rolls-Royce** has launched its pioneering IntelligentEngine vision at the **Singapore Airshow**. With more people flying than ever before and an increasing demand for more efficient travel, Rolls-Royce has defined a vision for the future of aircraft power that will help deliver passengers more reliably and more efficiently than ever before. The IntelligentEngine vision is

OTHER NEWS

based on a belief that the worlds of product and service have become so closely connected that they are now inseparable. This trend was first identified when Rolls-Royce introduced the market-defining TotalCare® service in the 1990s and, since then, advancements in digital capability have accelerated this change and further blurred the boundary between the two. The coming together of product and service, supercharged by digital technology, offers Rolls-Royce a wealth of opportunities to improve the way it provides power to its customers. In addition to designing, testing, and maintaining engines in the digital realm, the IntelligentEngine vision sets out a future where an engine will be increasingly connected, contextually aware and comprehending, helping to deliver greater reliability and efficiency:

- Connected - with other engines, its support ecosystem, and with its customer, allowing for regular, two-way flow of information between many parties
- Contextually aware - of its operating context, constraints and the needs of the customer, allowing it to respond to the environment around it without human intervention
- Comprehending - learning from its own experiences and from its network of peers to adjust its behavior and achieve best performance

**Lufthansa** and **Verdi** have today concluded long-term new collective labor agreements for the approximately 28,000 ground employees of **Lufthansa**, **Lufthansa Cargo**, **Lufthansa Technik** and **LSG Sky Chefs** in Germany. The new collective wage agreement provides for a total increase in remuneration of up to six percent. The collective agreement has a term of 33 months from January 1, 2018 to September 30, 2020. The agreement is subject to approval by the relevant committees.

The remuneration increase is carried out in two steps: By 3% on February 1, 2018 and by a further 3% on May 1, 2019. The second increase depends on the adjusted EBIT margin specific to the business segment, whereby an increase of at least 1.8% is guaranteed, irrespective of the margin achieved. The collective wage agreement thus takes into account the economic development of the Lufthansa Group companies. For Lufthansa Technik employees, the first increase will not be in percentage terms, but in the form of a corresponding fixed amount. Thus, the conclusion of a claim by Verdi takes into account.

Recommended Events



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Operating Lease Seminar 2018

March 20, 2018 - Hilton Garden Inn Hotel, Dallas

Aircraft Records & Total Asset Management Seminar 2018

April 18, 2018 - Gibson Hotel, Dublin, Ireland

Technical Aspects of a Leased Asset 2018

June 5, 2018 - Jury's Inn Hotel, Prague

Maintenance Reserves Seminar 2018

June 6, 2018 - Jury's Inn Hotel, Prague

[Click here for more aviation events](#)

INDUSTRY PEOPLE



Vincent Drouillard

- AerCap Holdings N.V. has announced that **Vincent Drouillard** will assume the position of General Counsel, effective June 1, 2018. Mr. Drouillard is currently the Head of Legal Leasing at AerCap, a position he has held since 2015.

He joined ILFC in 2004 and last served as Head of Legal EMEA, prior to the acquisition of ILFC by AerCap. Chief Operating Officer **Erwin den Dikken** will leave AerCap at the end of May 2018. He has held the position of Chief Operating Officer since 2010, and has also served as Chief Legal Officer since 2005. Mr. den Dikken joined the company in 1998.

- **Daniel Tautges, Jr.** has joined Component Control as Senior Vice President of World-Wide Sales and Marketing. Mr. Tautges has over 20 years of leadership experience in driving corporate growth in the Software, Services and Infrastructure space. His proven ability to build high-performance teams will be a key element in growing Component Control's customer base and to providing continued value to the company's current 1,500 aviation partners.

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### Commercial Jet Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
A319-100	ORIX Aviation	CFM56-5B5/P	2385	2005	Q1/2019	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 871774524
A320-200	Castlelake	V2527-A5	2288	2003	Q4/2018	Lease	Michael Hackett	michael.hackett@castlelake.com	+44 20 7190 6120
A320-200	Castlelake	V2527-A5	2161	2003	Q4/2018	Lease	Michael Hackett	michael.hackett@castlelake.com	+44 20 7190 6120
A340-300	GA Telesis	CFM56-5C4	433	2001	Q1/2018	Sale	Kevin Milligan	kmilligan@gatelesis.com	+1 954-676-3111
A340-300	GA Telesis	CFM56-5C4	541	2003	Q1/2018	Sale	Kevin Milligan	kmilligan@gatelesis.com	+1 954-676-3111
B737-300	Aersale	CFM56-3	27707	1995	Now	Sale / Lease	Craig Wright	craig.wright@aersale.com	+1 305 764 3238
B737-300	Aersale	CFM56-3	27926	1995	Now	Sale / Lease	Craig Wright	craig.wright@aersale.com	+1 305 764 3238
B737-400	Safair Operations	Freighter	East Africa		Dec 2017	ACMI only	C. Schoonderwoerd	corneliss@safair.co.za	+27 11 928 0000
B737-400	Aersale	CFM56-3C1	24688	1990	Now	Sale / Lease	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238
B737-400	Aersale	CFM56-3C1	25417	1991	Now	Sale / Lease	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238
B737-400	Aersale	CFM56-3C1	24688	1990	Now	Sale / Lease	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238
B737-5H6	Bristol Associates	CFM56-3C1	26445	1992	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B737-800	ORIX Aviation	CFM56-7B26/3	37258	2011	Q2/2019	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 871774524
B737-800	ORIX Aviation	CFM56-7B24E	40287	2012	Q1/2019	Lease	Oisin Riordan	oisin.riordan@orix.ie	+353 871774524
B737-800	Aersale	CFM56-7B26	32917	2002	Q1/2018	Sale / Lease	Sally Browne	Sally.Browne@aersale.com	+353 86 021 4841
B737-800	Aersale	CFM56-7B26	32624	2001	Q1/2018	Sale / Lease	Sally Browne	Sally.Browne@aersale.com	+353 86 021 4841
B737-800	World Star Aviation Services	CFM56-7B26	32604	2002	Now	Lease	Paulo Bettencourt	pbettencourt@worldstaraviation.com	+1 415-956-9454
B747-400	Bristol Associates		28812	1999	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B747-400	Bristol Associates		30023	2000	Now	Sale	Ed McNair / Pete Seidlitz	bristol@bristolassociates.com	+1 202-682-4000
B747-400	GA Telesis	RB211-524	26637	1992	Now	Sale	Eddo Weijer	eweijer@gatelesis.com	+1 954 676 3111
B747-400	GA Telesis	PW4000	29950	2000	Now	Sale	Stuart Weinroth	sweinroth@gatelesis.com	+1 954 676 3111
B747-400BCF	Jet Midwest	PW4056-3	27044	1990	Now	Sale / Lease	Kevin Lee	aircraft@jetmidwest.com	+1-310-652-0296
B777-200ER	GA Telesis		28999		Now	Sale	Stuart Weinroth	sweinroth@gatelesis.com	+1 954 676 3111
B777-200ER	GA Telesis		28523		Now	Sale	Stuart Weinroth	sweinroth@gatelesis.com	+1 954 676 3111
DC8	Aersale	No engines	46094	1969	Now	Sale	Craig Wright	Craig.Wright@aersale.com	+1 305 764 3238

### Regional Jet / Turbo Prop Aircraft

Aircraft Type	Company	Engine	MSN	Year	Available	Sale / Lease	Contact	Email	Phone
ATR72-212	C&L Aviation Group	PW127	434	1994	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-951-6259
ATR72-212	C&L Aviation Group	PW127	425	1994	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-951-6259
ATR72-212	C&L Aviation Group	PW127	420	1994	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-951-6259
ATR72-202 Cargo	C&L Aviation Group	PW124B	455	1995	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-951-6259
CRJ-200LR	Regional One	CF34-3B1	7484	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10246	2006	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
CRJ-700	Regional One	CF34-8C5B1	10029	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
CRJ-900LR	Regional One	CF34-8C5	15057	2005	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
DASH8-311	Regional One	PW123B	323	1992	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
DASH8-311	Regional One	PW123B	325	1992	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
Dornier 328-300	Regional One	PW306B	3145	2000	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
Dornier 328-300	Regional One	PW306B	3185	2001	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
ERJ-170LR	AerFin	CF34-8E	1700123		Now	Sale / Lease	Mark Dunnachie	mark.dunnachie@aerfin.com	+44 2920 109 898
ERJ-145	Regional One	AE3007A1P	145291	2000	Now	Sale / Lease	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
SF340B	Jet Midwest	CT7-9B	320	1992	Now	Sale / Lease	Kevin Lee	aircraft@jetmidwest.com	+1-310-652-0296
SF340B	C&L Aviation Group	CT7-9B	194	1990	Now	Sale / Lease	Fred Dibble	fred.d@cla.aero	+1 207-217-6128
SF340B+	C&L Aviation Group	CT7-9B	425	1997	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-217-6259
SF340B+	C&L Aviation Group	CT7-5A	368	1995	Now	Sale	Donald Kamenz	donald.k@cla.aero	+1 207-217-6259
SF340A Cargo	C&L Aviation Group	CT7-5A	046	1986	Now	Sale	Fred Dibble	fred.d@cla.aero	+1 207-217-6128

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### Commerical Engines

Multiple Types	Sale / Lease	Company	Contact	Email	Phone
Multiple Engines GE / CFM / RB211	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
<b>AE3007 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) AE3007A1	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(3) AE3007A1P	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 786-623-3936
(2) AE3007	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1 954 676 3111
<b>CF34 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
CF34-8E5	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
CF34-10E	Now - Lease				
CF34-8C	Now - Lease				
CF34-3B1	Now - Lease				
CF34-3A	Now - Sale / Lease				
(2) CF34-8C5B1	Now - Sale / Lease	Regional One	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
(1) CF34-3B1	Now - Sale / Lease				
(1) CF34-10E5A1	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) CF34-3B1	Now - Sale				
(1) CF34-8C5/B1	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) CF34-8E	Now - Sale / Lease	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 2920109898
(1) CF34-10E6	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CF34-10E7	Now - Lease				
CF34-8E(s)	Now - Sale / Lease	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1 (513) 782-4272
(1) CF34-10E7	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
<b>CF6 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) CF6-80C2B1F	Now - Sale / Lease	AerSale, Inc.	Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(1) CF6-80C2A5	Now - Sale / Lease		Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(1) CF6-80C2B6F	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) CF6-80C2B7F	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) CF6-80C2B7F	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(5) CF6-80C2B1F	Now - Sale			aircrafttrading@gatelesis.com	
<b>CFM56 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) CFM56-3C1	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610
(1) CFM56-5A3	Nov 17 - Sale / Lease				
(2) CFM56-5B	Now - Sale / Lease	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(2) CFM56-7B26	Now - Sale				
(1) CFM56-7B26/E	Now - Lease	Engine Lease Finance	Declan Madigan	declan.madigan@elfc.com	+353 61 291717
(1) CFM56-7B26/3	Now - Lease				
(3) CFM56-7B22/3	Now - Lease				
(2) CFM56-5C4/P	Now - Sale / Lease	Castlelake	Stuart MacGregor	stuart.macgregor@castlelake.com	+44 207 190 6138
(1) CFM56-3C1	Now - Sale				
(2) CFM56-3C1	Now - Sale / Lease	AerSale, Inc.	Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(2) CFM56-5A	Now - Sale	GECAS Engine Leasing	Sherry Riley	engine.leasing@gecas.com	+1(513)782-4272
(1) CFM56-7B20 TRUEngine™	Now - Sale / Exchange	CFM Materials	Jimmy Hill	Jimmy.Hill@cfmmaterials.com	+1 214-988-6670
(1) CFM56-7B24 TRUEngine™	Now - Sale / Exchange				
(1) CFM56-7B27 TRUEngine™	Now - Sale / Exchange				
(1) CFM56-5B4/P TRUEngine™	Now - Sale / Exchange				



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### Commerical Engines (cont.)

(1) CFM56-5C4/P	Now - Sale	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 2920109898
(4) CFM56-5C4	Now - Sale				
(1) CFM56-5B	Now - Sale / Lease				
(1) CFM56-7B	Now - Sale / Lease				
(1) CFM56-5B	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@werneraero.com	+1-703-402-7430
(1) CFM56-7B	Now - Sale/Lease/Exch.				
(1) CFM56-5B4/3	Soon - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
(2) CFM56-5C4/P	Soon - Lease				
(1) CFM56-7B26	Now - Lease				
(1) CFM56-5B4/P	Soon - Lease				
(1) CFM56-7B24/3	Now - Lease				
<b>CT7 Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
CT7-9B	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
<b>JT8D and JT9D Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) JT9D-7R4D-E	Now - Sale/Lease	Jet Midwest	Kevin Lee	engines@jetmidwest.com	+1-310-652-0296
(1) JT8D-219	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1 954 676 3111
<b>GEnx Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(2) GEnx	Soon - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
<b>LEAP Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) LEAP-1A33	Soon - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
<b>PW Small Engines</b>	<b>Sale / Lease</b>	<b>Company</b>	<b>Contact</b>	<b>Email</b>	<b>Phone</b>
(1) PW121 (Dash 8)	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) PW123B/D/E	Now - Sale / Lease				
(1) PW124B	Now - Sale / Lease				
(1) PW121 (ATR)	Now - Sale / Lease				
(1) PW127E/F/M	Now - Sale / Lease				
(1) PW150A	Now - Sale / Lease				
(2) PW121 (ATR)	Now - Sale/Lease/Exch.	Willis Lease	David Desaulniers	ddesaulniers@willislease.com	+1 415 516 4837
(2) PW121-8	Now - Sale/Lease/Exch.				
(1) PW123	Now - Sale/Lease/Exch.				
(1) PW127	Now - Sale/Lease/Exch.				
(2) PW150A	Now - Sale/Lease/Exch.				
(1) PW127M	Now - Sale/Lease/Exch.				
(2) PW127F	Now - Sale/Lease/Exch.				
(2) PW124B	Now - Sale/Lease/Exch.				
(1) PW120A	Now - Sale / Lease	Regional One	Chris Furlan	cfurlan@regionalone.com	-1(305) 759-0670 Ext.164
(1) PW120	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) PW123E	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(4) PW126	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) PW121	Now - Sale/Lease/Exch.		Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
PW119B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368
PW119B	Now - Lease				
PW120A	Now - Lease				
PW121 (ATR)	Now - Lease				
PW124B	Now - Lease				
PW123B	Now - Lease				
PW125B	Now - Lease				
PW127F	Now - Lease				
PW150A	Now - Lease				
PW127M	Now - Lease				
PW150 GRB	Now - Lease				
PW127	Sale	C&L Aviation Group	Martin Cooper	martin.c@cla.aero	+1 207-217-6106
(1) PW124B	Now - Sale/Lease/Exch.	Logix Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
(2) PW127E/F			Remi Krysz	rkrysz@logix.aero	+33.6.2079.1039
(4) PW127M					
(1) PW120 / PW121	Now - Sale / Lease	Royal Aero	Calum MacLeod	calum@royalaero.com	+49 8025 993610

## THE AIRCRAFT AND ENGINE MARKETPLACE

### Commerical Engines (cont.)

PW4000 Engines	Sale / Lease	Company	Contact	Email	Phone
(2) PW4056-1	Now - Sale/Lease/Exch.	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) PW4056-3	Now - Sale / Lease	Magellan Aviation Group	Bill Polyi	bill.polyi@magellangroup.net	+1 (704) 504 9204 x202
(1) PW4056-3	Now - Sale/Lease	Jet Midwest	Kevin Lee	engines@jetmidwest.com	+1-310-652-0296
(1) PW4060-3	Now - Sale / Lease	AerSale. Inc.	Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) PW4062-3	Now - Sale / Lease		Matthew White	matthew.white@aersale.com	+353 1475 3005
(1) PW4158-3	Apr 18 - Lease		Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
(1) PW4056-3	Now - Sale / Lease		Alan Kehoe	Alan.Kehoe@aersale.com	+353 879 393 534
RB211 Engines	Sale / Lease	Company	Contact	Email	Phone
(1) RB211-535	Now - Sale / Lease	Jet Midwest	Dave Williams	dave.williams@jetmidwest.com	+1-817-791-4930
(1) RB211-535E4	Apr 18 - Sale / Lease	AerSale. Inc.	Matthew White	matthew.white@aersale.com	+353 1475 3005
Trent Engines	Sale / Lease	Company	Contact	Email	Phone
(3) Trent 800	Now - Sale	GA Telesis	Eddo Weijer	eweijer@gatelesis.com	+1-954-676-3111
(1) Trent 892	Now - Sale/Lease/Exch.	AerSale. Inc.	Matthew White	matthew.white@aersale.com	+353 1475 3005
(2) Trent 892	Now - Sale / Lease	TrueAero, LLC.	Matt Parker	mparker@trueaero.com	+1 469-607-6110
(4) Trent 556	Now - Sale / Lease				
(1) Trent 772B	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
V2500 Engines	Sale / Lease	Company	Contact	Email	Phone
1) V2533-A5 w/QEC	Now - Sale/Lease/Exch.	Rolls-Royce & Partners Finance	Bobby Janagan	bobby.janagan@rolls-royce.com	+44 20 7227 9078
(1) V2527	Now - Sale / Lease	AerFin	Oliver James	Oliver.James@aerfin.com	+44 (0) 2920109898
(1) V2533-A5	Now - Sale/Lease/Exch.	Werner Aero Services	Cliff Topham	ctopham@wernerero.com	+1-703-402-7430

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

Description		Company	Contact	Email	Phone
(1) A320-200 Landing Gear	Now - Sale	TrueAero, LLC	Matt Parker	mparker@trueaero.com	+1 469-607-6110
(1) A330-300 Landing Gear	Now - Sale				
(2) A340-600 Landing Gear	Now - Sale				
(1) A340-300 Landing Gear	Now - Sale				
(2) GTCP331-500	Now - Sale				
(2) GTCP331-350C	Now - Sale				
(1) GTCP36-150RJ, (2) GTCP36-100M,	Now - Sale/Lease/Exch.	Regional One	Miguel Bolivar	mbolivar@RegionalOne.com	+1 (786)-623-3936
(1) RE220RJ, (1) PW126 RGB, (1) PW901A					
(1) APS1000-C12, (1) APS1000-C3					
GTCP131-9A (2), GTCP131-9B(2)	Now - Lease	REVIMA APU	Olivier Hy	olivier.hy@revima-apu.com	+33(0)235563515
GTCP331-200, GTCP331-250	Now - Lease				
APS500C14(3), APS1000C12(2), APS2000	Now - Lease				
APS2300, APS3200(2), APS5000(2)	Now - Lease				
PW901A(4), PW901C(2)	Now - Sale / Lease				
TSCP700-4E	Now - Sale				
Neutral CFM56-5B & CFM56-7B QEC Kits	Now - Sale	CFM Materials	Michael Arellano	michael.arellano@cfmmaterials.com	+1 214-988-6676
(3) APS2300, (1) GTCP331-350C	Now - Sale / Lease	AirFin	Nick Filce	Nick.Filce@aerfin.com	+44 7770 618 791
GTCP131-9A, GTCP131-9B, GTCP331-350C	Now - Sale/Lease/Exch.	Logix.Aero	Jean-Christian Morin	jcmorin@logix.aero	+33.6.4782.4262
GTCP331-500B, GTCP331-200/250,			Rich Lewsley	rlsley@logix.aero	+44.79.0021.8657
APS3200, APS2300, GTCP85-129H					
APU GTCP 331-500	Now - Lease	Willis Lease	Ann Lee	alee@willislease.com	+1 (415) 408 4769
Engine stands now available	Now - Lease				
(2) GTCP131-9B, (2) GTCP131-9A	Now - Sale / Lease	GA Telesis	Dave Dicken	ddicken@gatelesis.com	+1 954-676-3111
B737-400 main landing gears, with 2015 tags		World Star Aviation Services	Tommy Guttman	tguttman@worldstaraviation.com	+972-544-22000
ENGINE STANDS: Trent 800, PW4000 112"/V2500		National Aero Stands		support@stands.aero	+ 1 305-558-8973
/ CFM56/ PW2000 & Bootstrap kits					
GTCP131-9A, GTCP 131-9B	Now - Sale / Lease	Werner Aero Services	Julien Levy	jlevy@Wernerero.com	+1 201-674-9999
GTCP36-300A, 737-800 Winglets	Now - Sale / Lease				
737-700 & 737-800 Landing Gear	Now - Sale / Lease				
767-300 Winglets, LH-RH P/N 767-0010-5, -6, -7 & -8, SV- Now Sale		Reliance Aircraft	Terry Hix	thix@relianceaircraft.com	+1 512-439-6988
(2) PW901A, (1) PW901C(1), PW125B RGB	Now - Lease	Lufthansa Technik AERO Alzey	Kai Ebach	k.ebach@lhaero.com	+49-6731-497-368