

## PRESS RELEASE

### ILA update – 24 April 2018



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#### **BDLI reports record aerospace job and turnover figures**

On the eve of the opening of the ILA Berlin the German Aerospace Industries Association (BDLI) has published its figures for 2017. Aerospace companies achieved a record turnover of 40 billion euros, an increase of 6 per cent. At 109,500, the workforce figure rose slightly, reaching a new record. With a turnover of 29.2 billion euros and over 76,500 employees, civil aviation remains the largest industry in this sector. Totalling four billion euros, industry spending on research and development continued at a very high level.

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#### **Non-stop to Hawaii or from Singapore to the Big Apple**

The Airbus A350-900 is a long haul version of the latest success story from Airbus. It is on show at the ILA Berlin 2018, is regarded as the most up-to-date long haul aircraft and continues to set records for the numbers of orders placed by airlines all over the world. Among its outstanding features are its low operating noise and excellent fuel economy: with a passenger capacity of 293 and a range of 12,200 kilometres, the Lufthansa uses just 2.9 litres per passenger for every 100 kilometres flown. Airbus has so far received 854 orders for various different versions of the A350. The manufacturer is currently developing an ultra-long haul version, the ULR A350-900, which undertook what was admittedly a short maiden flight shortly before the start of the ILA. It is expected to achieve a range of 19,700 kilometres on scheduled services. This will enable Singapore Airlines, which has ordered seven of these aircraft, to operate non-stop flights from Singapore to Los Angeles and to New York. It will now also be possible to fly non-stop from Germany to Hawaii.

*Airbus Hall 3/301 and various models of the A350-90 on the outdoor display area: S1-002, 318, contact: Heiko Stolzke, tel.: +49 -40 -743 -73016, email: [heiko.stolzke@airbus.com](mailto:heiko.stolzke@airbus.com)*

#### **On the ground and in the air: Bundeswehr displays its capabilities**

Once again Germany's armed forces, the Bundeswehr, will be the largest single exhibitor at the ILA. With some 850 personnel and 70 aircraft the Bundeswehr is emphasising its attractions as an employer

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that offers an exciting future. In addition to such modern aircraft as drones, the TIGER combat helicopter and the A400M transporter, the display also includes proof of the Medical Service's capabilities in the form of a rescue centre. The A-310 MedEvac flying sick bay will be on show, and there is also a Tornado that visitors can climb on board. Qualified advisors will be on hand at the various aircraft to answer visitors' questions. The ILA will also feature demonstrations of training for various mission scenarios involving special forces in the air and on the ground,

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### **EDEN ISS – fruit and vegetables in the Antarctic**

The EDEN-ISS greenhouse that has been developed by the DLR was set up early in 2018 in the Antarctic in close proximity to the Neumayer Station III of the Alfred Wegener Institute (AWI). Here in a land of eternal ice the DLR scientist Paul Zabel is spending a year growing fresh vegetables including sweet peppers, cucumbers, radishes and various herbs and salad, without the aid of soil or artificial lighting. The scientists involved in this project are using it to replicate as closely as possible the conditions on an extended mission in space: An isolated place, a small crew living in isolation, and a supply situation in which fresh food is a welcome addition to their diet. The year spent in the Antarctic, including the winter months, is the first full rehearsal to establish whether the systems being tested will function properly under real, harsh conditions. A model, together with an animation of the Antarctic greenhouse, can be seen at the ILA 2018 on the DLR stand in Hall 4.

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### **First appearance by the Kawasaki P-1 marine reconnaissance aircraft at ILA**

Aircraft that have been developed in the Far East rarely make the long journey to Europe. However, two of the newly developed Japanese marine reconnaissance aircraft, the Kawasaki P-1, will be on display at the ILA. The unique concept features four turbofans, which were developed in Japan, and low wing loading to enable the aircraft to carry out extremely stable manoeuvres at low speed and providing greater safety during challenging sorties. The P-1 first came into service in 2013 and a total of 70 have been ordered. They are gradually replacing the long-serving Lockheed P-3 Orion, which is also deployed by the German navy. Although the Kawasaki P-1 was primarily designed to meet the needs of the Japanese self-defence forces, it certainly has an export potential, especially for countries around the Pacific rim. Discussions are currently being held with potential customers.

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### **Emirates presents an Airbus A380 with private suites and spa showers**

Emirates, based in Dubai, has a larger Airbus A380 fleet than any other airline, and throughout the ILA it will be displaying the one hundredth of these aircraft, which was delivered in November last

year. The megaliner is the world's largest passenger plane and, with its two decks, it can carry up to 853 passengers, The Emirates version has 519 seats. In its special livery this aircraft displays a portrait of the founding father of the United Arab Emirates, Sheikh Zayed bin Sultan Al Nahyan. In 2018, 100 years after his birth, his legacy is being commemorated by the Zayed Year. Visitors will be able to take a look inside this A380, which has 14 suites in first class, along with two spa showers.

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### **Software-based waves now with airborne components too**

With its software-defined R&S SDAR high frequency radio, the Munich-based high-tech group Rohde & Schwarz is using the ILA 2018 to display no less than "the most up-to-date aircraft radio for secure military communication", in the words of Bosco Novak, a member of the senior management team. It augments the software-based radio circuit on the ground with airborne components. It is so far the only system to satisfy the civilian certification requirements of the European Air Safety Agency (EASA) and consequently it is authorised for universal use in both civilian and military applications. The strict separation of the equipment platform and software-defined wave form also enables wave forms from other manufacturers to be ported in R&S SDAR. As the manufacturer explains, this ensures future-proofing as well as backwards compatibility, enabling secure communication channels to be set up between various components of the armed forces and nations.

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### **Debut for Spain's Patrulla Aguila at the ILA**

One of the highlights of the flying displays at the ILA 2018 will be Spain's Patrulla Aguila, whose seven pilots will be showing off their skills in Berlin for the first time. Under Comandante José Manuel García Mora, the display team of the Ejército del Aire will be flying single-jet C-101 training aircraft built by CASA (now Airbus Military). The squadron leader is Comandante Rubén Pérez González, who has a total of 4,300 hours of flying time. Unusually for a military aerobatics team, one of the planes will be piloted by a woman. Rosa Garcia-Malea Lopez has been flying Aguila 2 since 2017. Before that, the 37 year-old was the Spanish Air Force's first jet pilot.

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### **Production of Rolls-Royce Trent XWB engines near the ILA**

At ILA 2018 the engine manufacturer Rolls-Royce will be underlining the proximity to its production plant only a few kilometres away in Dahlewitz. That is where the Trent XWB engine is built that powers the Airbus A350. "Germany occupies an important role in the Trent XWB programme", said Paul O'Neil, chairman of the management committee of Rolls-Royce Germany. "Together with our Derby plant in the UK we deliver seven engines to Airbus per week." Among other products at the ILA, Rolls-Royce will be displaying a model of its power gearbox for production of the UltraFan, which is currently undergoing testing at Dahlewitz.

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### **Seven German Red Cross emergency doctors for the worst-case scenario**

With an action force of up to 120 on site, including seven emergency doctors, the German Red Cross (DRK) is well prepared to look after anyone attending the ILA. The DRK paramedics are also being assisted by colleagues from other relief agencies. In the past their assistance was needed, for example, when some visitors experienced circulation problems as a result of the heat. The team is headed by Lee-J. Schumann from the DRK Brandenburg regional association, who has had previous experience of coordinating medical services at the ILA. There are four coordinating points on the exhibition site to ensure that, should an emergency occur, assistance is soon at hand: an on-call medical team in a marquee, two emergency rooms and the Medical Center with more extensive treatment facilities. Several emergency vehicles and ambulances are also available if needed.

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