

Press release

Liebherr-Aerospace presents solutions for the aviation industry at Singapore Airshow

- Liebherr-Aerospace welcomes visitors at its booth C-L65 at Changi Exhibition Centre
- Technology displayed covers electrification of aircraft systems and solutions to increase aircraft efficiency
- More sustainable customer service

Innovations at Singapore Airshow 2024: Liebherr-Aerospace looks forward to welcoming guests from February 20 to 25 at its booth C-L65, to present a wide range of solutions and key components for a more sustainable aviation.

Toulouse (France), February 2024 – During Singapore Airshow from February 20 to 25, 2024, Liebherr-Aerospace will showcase innovative solutions for the aviation industry. Customers, partners and interested visitors are welcome to discover cutting-edge technologies.

Solution provider

Focusing on the customer and market demand, Liebherr-Aerospace continuously positions itself as a solution provider for future more sustainable aviation. The company's competencies in environmental control and thermal management systems, flight control, actuation and landing gears will contribute substantially towards tomorrow's air transport objectives of less emissions and higher efficiency.

Positioned for decarbonization

Liebherr has also been supporting the increasing electrification of today's aircraft for many years and developed a wide range of technologies in this area. The more electric aircraft of the future will be powered by engines that will be largely decoupled from onboard power consumers for increased efficiency. Future air management and actuation systems will potentially be energized by electric power replacing the traditional bleed air or hydraulic systems. Electric motor pumps (EMP) will serve as core element for decentralized hydraulic power supply.

Leader in the development of electromechanical actuators

As electrification moves on in aviation, Liebherr has further added small electromechanical actuators to its product portfolio. The new concept specifically addresses the emerging AAM (Advanced Air Mobility) sector. It is also essential for smaller aircraft, business jets and helicopters. The product approach offers scalability for small installation envelopes, a favorable power-to-weight ratio and high reliability.

Excellence in aircraft electronics

Furthermore, Liebherr-Aerospace will present at Singapore Airshow one of its generic purpose remote control units (REU), which can be used for different aircraft applications. It is suitable for e.g. position control loops, system control and the connection of existing components such as levers, tillers, sticks and sensors to sophisticated communication data buses.

Swift and sustainable customer service

Liebherr-Singapore Pte Ltd is Liebherr's dedicated service center in the Asia-Pacific region for the support of the products developed and manufactured by Liebherr-Aerospace. Its inhouse test and repair activities are constantly extended. The latest capability expansion in Singapore includes the commissioning of a new high performance hydraulic test cell as well as the establishment of a fully competent repair and overhaul facility for heat transfer equipment. Thus, Liebherr's in-region component MRO services have been further extended to the benefit of its customers in the APAC region, who have already started to enjoy shorter repair turnaround times. At the same time, this set up avoids overseas shipments of repair components and thus will help to significantly reduce related carbon emissions.

About Liebherr Aerospace & Transportation SAS

Liebherr Aerospace & Transportation SAS, headquartered in Toulouse (France), is one of eleven product segments of the Liebherr Group and is a first-tier provider of on-board solutions in the aerospace and transportation industry, contributing to a more sustainable transport through innovative products, best in class services and performance excellence.

The aerospace product portfolio offered to civil and defense customers includes environmental control and thermal management systems, flight control and actuation systems, landing gears as well as on-board electronics. For rail vehicles of all kinds Liebherr offers heating, ventilation and air conditioning systems, passive and active hydraulic systems for braking, damping, axle steering and levelling. Furthermore, Liebherr serves the commercial vehicle market with trailer cooling systems.

About the Liebherr Group

The Liebherr Group is a family-run technology company with a highly diversified product portfolio. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality and user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 140 companies across all continents. In 2022, it employed more than 50,000 staff and achieved combined revenues of over 12.5 billion euros. Liebherr was founded in Kirchdorf an der Iller in Southern Germany in 1949. Since then, the employees have been pursuing the goal of achieving continuous technological innovation and bringing industry-leading solutions to its customers.

Images



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Liebherr-Aerospace counts among the leaders in research and development of electromechanical actuators.

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Testing of a valve at Liebherr-Singapore. – © Liebherr

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