

Press release

Liebherr supplies electro-mechanic actuators for Eve Air Mobility's eVTOL

Liebherr-Aerospace Lindenberg GmbH has signed an agreement with Eve Air Mobility to supply the electro-mechanic actuators (EMAs) for the eVTOL's flight control system. The EMAs, with fully integrated electronics, are among the first in the world for primary flight control application.

Lindenberg (Germany), November 6, 2023 – The new actuators developed and manufactured by Liebherr-Aerospace will be integrated into the eVTOL aircraft for actuation of its aileron, elevator and rudder surfaces. The robust, lightweight actuators come with a fully integrated control and power electronics module, which makes them more compact and easier to install than competing actuators.

“As a longtime partner of Embraer, Eve's engineering backbone, in many successful development projects, Liebherr has strong confidence in Eve's capability to develop, certify and produce such revolutionary eVTOL. This contract is a historic milestone and represents the beginning of a new relationship with Eve Air Mobility. It signifies our commitment to excellence that we continuously demonstrate towards our customers. We have listened to Eve's requirements for these actuators since the early stages of development and have met their requirements in every step of the research and development phases. Our electric technology, specifically fly-by-wire actuators, improve the maintainability, reliability, and maneuverability of future aircraft,” explained Dr. Klaus Schneider, Chief Technology Officer of Liebherr-Aerospace & Transportation SAS.

Eve has already received orders for close to 3,000 vehicles and is working with several operators, infrastructure companies and government agencies to create an operating environment for urban air mobility.

The development and production of the units will be performed by Liebherr-Aerospace Lindenberg GmbH, Lindenberg (Germany), Liebherr's center of excellence for flight controls, actuation, gears, gearboxes and landing gears, in close cooperation with Liebherr-Electronics and Drives GmbH, Lindau (Germany) as well as with Liebherr-Aerospace's on-site team at two facilities in Brazil, São José dos Campos and Gavião Peixoto.

About Liebherr-Aerospace & Transportation

Liebherr-Aerospace & Transportation SAS, Toulouse (France), is one of eleven product segment control companies within the Liebherr Group and coordinates all activities in the aerospace and transportation systems sectors.

Liebherr-Aerospace is a leading supplier of systems for the aviation industry and has more than six decades of experience in this field. The range of aviation equipment produced by Liebherr for the civil and defense sectors includes flight control and actuation systems, gears and gearboxes, landing gear and air management systems as well as electronics. These systems are deployed in wide-bodied aircraft, single aisle and regional aircraft, business jets, defense aircraft, defense transporters, defense training aircraft and civil as well as defense helicopters.

Liebherr's aerospace and transportation systems division employs around 6,000 people. It has three aviation equipment production plants at Lindenberg (Germany), Toulouse (France) and Guaratinguetá (Brazil). These production sites offer a worldwide service with additional customer service centers in Saline (Michigan/USA), Seattle (Washington/USA), Montreal (Canada), Hamburg (Germany), Dubai (UAE), Bangalore (India), Singapore and Shanghai (People's Republic of China).

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 51,000 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



liebherr-eve-evtol-contract-signature-ceremony-copyright-liebherr.jpg

Luiz Valentini, CTO EVE (2nd from right), Alice Altissimo, VP Programs and Business Operations EVE (middle) Christiano Carleto, Head of Procurement EVE (right) at the contract signature ceremony with Dr. Klaus Schneider, CTO, Liebherr-Aerospace & Transportation SAS (2nd from left), Gerd Heinzelmann, Managing Director Liebherr-Aerospace Lindenberg GmbH (3rd from left) and Matthias Flach, Manager Liaison Office Brazil, Liebherr Aerospace Brasil Ltda. (left)



EVE_img6.png

Eve eVTOL – © Eve Air Mobility

Contact person

Ute Braam
Corporate Communications
Phone: +49 8381 / 46 - 4403
E-mail: ute.braam@liebherr.com

Published by

Liebherr-Aerospace & Transportation SAS
Toulouse / France
www.liebherr.com