

Take off with Liebherr electronics Hightech-drones from Quantum-Systems GmbH

The Customer

The company offers advanced unmanned multi-sensor aerial systems (drones) that are used worldwide for mapping, surveying and reconnaissance. The drones from Quantum Systems can be equipped with various sensors and cameras.



Industry
Unmanned aerial systems



Location
Gilching near Munich (Germany)



Product
Drones



Liebherr-Services
Manufacture of various products, assembly, testing, DFM/DFT support

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In Liebherr, we have found an ideal electronics partner for our drones. Liebherr's decades of experience in the manufacture of high-quality aviation electronics is thus incorporated directly into our products.

Florian Seibel,
CEO and co-founder at
Quantum-Systems GmbH



Scope of order

- Procurement of components
- Checking and support with layout
- Circuit board assembly
- Assembly of the modules
- Comprehensive testing services



Special features

The ability to take off and land an electrically powered aircraft drone vertically (eVTOL) like a helicopter has many advantages. Furthermore, the autopilot developed by Quantum Systems and manufactured by Liebherr enables fully automated drone operations.



Outlook

Partnership

A factory tour of the Liebherr-Electronics and Drives GmbH in Lindau at the beginning of June 2022 heralded the start of a further intensification of the collaboration. The focus will be on the topics of development and qualification as well as design for manufacturing/testing.

Wide range of applications

Fields of application for drones include civil surveying, agriculture and forestry, the calculation of extraction in open-cast mining, the provision of live situational awareness from disaster areas and reconnaissance for defence purposes.



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