

Quantum-Systems and SKYLAB partner to provide foresters with digital forest management information covering 100% of the plantation, revolutionizing current forestry practices

Germany, Munich, December 5, 2022 – Quantum-Systems GmbH, an innovative developer, designer and manufacturer of advanced unmanned aerial systems (UAS), and SKYLAB, the fully-digitalized forest management provider, today announced a partnership to help forestry customers maximize productivity and reduce costs.

With deep learning and advanced aerial data analytics, SKYLAB provides fully-digitalized forest management, from seedling survival and weed monitoring to full timber and carbon stock inventories, as well as monitoring forest health and harvesting operations for 100% of the areas. SKYLAB enables its customers to receive precise information on their forestry assets, with 24/7 access to the results online. Paired with aerial data generated by the Trinity F90+ UAV, customers will be able to maximize productivity and optimize management processes.

Designed and manufactured in Germany, Trinity F90+, the fixed-wing eVTOL from Quantum-Systems flies as efficiently as a fixed-wing airplane, allows for easy vertical take-off and landing, like a multi-rotor drone, and comes with the broadest choice of integrated sensors in the industry. Trinity F90+ offers a wide range of easily interchangeable camera solutions, which includes the MicaSense Altum-PT, MicaSense RedEdge-P, Qube 240 LiDAR, Sony UMC- R10C, Sony RX1 RII and the Oblique D2M cameras. Additionally, the Trinity F90+ drone can fly for up to 90 minutes – well beyond the industry standard of 60 minutes – allowing forestry professionals to move from sampling and extrapolating 1% of the forest to knowing 100% of the forest.

Combining the state-of-the-art hardware from Quantum-Systems and the sophisticated forestry and plantation management software from SKYLAB, customers have access to a complete solution that maximizes the usage of aerial data generated by the Trinity F90+ UAV. Using SKYLABcloud for easy data upload, seamless processing, analyzing and mapping, with no prior GIS knowledge needed, customers can generate precise and detailed maps on the state of their forest, to be integrated into their own management systems.

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Using the highly accurate SKYLAB maps, foresters reduce their operating costs and maximize productivity by identifying areas of low seeding survival, targeting seeding refill, minimizing chemical and mechanical input, monitoring disease and problem areas, and optimizing harvesting operations, which all results in significantly higher profitability. **#forestAi**

About Quantum-Systems

Quantum-Systems specializes in the development, design, and production of small Unmanned Aerial Systems (sUAS). The company's range of electric vertical take-off and landing (eVTOL) sUAS are built to maximize range and versatility and provide operators with a seamless user experience. By integrating cutting-edge software capabilities like edge computing and real-time AI-powered data processing, Quantum-Systems is building next-generation UAS for clients in defence, security, public security, public safety, commercial, and geospatial communities across Europe.

Quantum-Systems was founded in 2015 and is headquartered at Special Airport Oberpfaffenhofen, 20 km west of Munich.

For more information about Quantum-Systems visit www.quantum-systems.com.

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About SKYLAB

We at SKYLAB love forests! Our mission is to make existing forests more productive, to protect natural forests and to increase forest cover for maximum carbon uptake. Our cutting-edge aerial analytics show you your forest as you've never seen it before. We give you information on every single tree so that you can fully optimise your forest management. We help meet the world's growing demand for timber in the most efficient way possible, thus protecting virgin forests.

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