

Press Release

Ministry of Defense of Ukraine orders additional 105 surveillance drones from German manufacturer Quantum-Systems



Germany, Munich, January 24th, 2023 - Quantum-Systems GmbH, an aerial intelligence company that provides multi-sensor data collection drones to government agencies and commercial customers, today announced it will deliver 105 additional long-endurance reconnaissance drones type Vector™ in military support of Ukraine's armed forces, funded by the German Government.

Founded in 2015, Quantum-Systems is at the forefront of UAS development. Its electric vertical take-off and landing (eVTOL) systems boast industry-leading endurance, ease of operation, and reliability, exceeding the performance of conventional UAS platforms.

Supporting Ukraine with real time aerial intelligence

The Ministry of Defense of Ukraine has placed a second batch order of Vector™ systems, following an earlier order of 33 UAS of the same model in August 2022. Since then, the system was able to demonstrate it delivers unprecedented performance under the most challenging conditions. Vector™ has been extensively used and intensively tested on the Ukrainian battlefield, where it has proven to be an asset for military intelligence, surveillance and reconnaissance operations. Its robust and rugged design makes it well-suited for operation in harsh environments and extreme weather conditions.

Quantum-Systems is pleased to announce that with the latest software update, Vector™ is also able to operate in GNSS denied scenarios. The direct and immediate feedback received from the operators in the Ukrainian battlefield, as well as Quantum-Systems' commitment to enhance security capabilities through technological advancements accelerated development processes. New findings have been directly incorporated into the advanced technology of Vector. A fact which may have been decisive for the MOD's decision.

Onsite training and support

To further provide support to the Ukrainian forces, Quantum-Systems also announces the opening of a Training and Support Facility in Ukraine. This facility will provide training for operators on the use and maintenance of the Vector™ system and will be the local hub for procuring spare parts and repair services.

"We are honored to be able to help Ukraine with the defense of their country and we are committed to continuing to provide the highest quality systems to their forces. Our belief in democratic values and the challenges faced by the Ukrainian soldiers daily, only motivate us even more so and speed up our development processes. Being able to further equip Vector with combat proven features and capabilities in a short period of time is crucial for us as a manufacturer and the operators of our systems, from which all of our Vector™ customers will profit", said Florian Seibel, CEO of Quantum-Systems.

Growing Vector capabilities

Vector™ integrates dual Electro-Optical (EO) and Infra-Red (IR) gimballed sensors, enabling missions both day and night. It streams real-time live video to multiple Ground Control Stations via Mesh IP encrypted data links and is equipped with advanced AI capabilities onboard. The data assessment and image processing of Vector™ is supported by automatic detection, identification, and tracking algorithms, which provide on-the-ground tactical units with mission-critical data.

With a flight time of 120 minutes, Vector is suited for applications such as ISR for enhanced live situational awareness, area mapping, battle damage assessment, Search & Rescue (SAR), and convoy and VIP protection.

Jan 24, 2023



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 sector.

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.

Press Contact:

Claudia Steinhoff

Phone: +49 (0)8105 7709 128

E-mail: csteinhoff@quantum-systems.com