Press Release

Quantum Systems breaks world speed record with its Counter-UAS technology demonstrator, reaching 727 km/h



Quantum Systems has set a new world speed record for battery-electric flight with its Apex Recordhunter, achieving a two-way 100-metre speed of 727 km/h.

Munich, Germany, 26 November 2026 – Quantum Systems has achieved a new world speed record for the fastest battery-electric flying object with its Apex Recordhunter drone. The record flight took place on a military base in Germany, where the drone achieved an official two-way 100-metre speed of 727 km/h.

Developed by Quantum Systems' N3XT department, which focuses on experimental technologies and advanced engineering concepts, Apex Recordhunter serves as a high-speed Counter-UAS technology demonstrator designed to push the performance limits of electric unmanned flight. As aerial threats become faster and more manoeuvrable, interceptor systems must close the gap quickly and operate within increasingly short response windows. Engineering insights from the programme have already contributed to the development of Quantum Systems' Skyron Counter-UAS system and will support future high-speed interceptors, particularly in the areas of propulsion, energy management and system integration.

"The record is not an end in itself. Our objective is to develop advanced high-speed systems capable of countering emerging threats," said Florian Seibel, Co-Founder and Co-CEO of Quantum Systems. "Russian jet-powered drones such as Geran-4 and Geran-5 require a scalable interception solution. With Apex Recordhunter, we are pushing the limits of today's technology to build the capabilities of tomorrow."

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The record was verified on site by independent experts who evaluated the GPS speed data and cross-checked it against flight logs stored in the aircraft's onboard black box.

The achievement builds on an earlier record attempt by the N3XT team during Quantum Systems' multi-domain exercise Forward Edge 26 in October 2026, when Apex Recordhunter reached 777 km/h in a one-way run and a peak speed of 795 km/h. The subsequent record flight established the official two-way record of 727 km/h, marking further progress through continued development, testing and system optimisation.

"I am incredibly proud of what our engineers, operators and production teams have accomplished," said Florian Seibel. "The biggest challenge was to integrate batteries, motors, propellers, motor controllers and flight control systems into a compact, lightweight and aerodynamically efficient aircraft. It took numerous major design iterations to bring all components together into a system capable of achieving this speed. Today we have proven high-speed and high-tech made in Germany once again."

Achieving this level of performance also required access to advanced components and manufacturing technologies. Quantum Systems thanks its technology partners EOS, Liebherr, Mejzlik and Hargrave Technologies for their valuable contributions. EOS supplied additively manufactured components, while Liebherr developed and manufactured the high-performance battery. Mejzlik developed the propellers and Hargrave the electronic speed controllers.

The project demonstrates how experimental development can strengthen Quantum Systems' operational product portfolio while complementing the company's growing Counter-UAS capabilities.

The record attempt is documented in a three-part film, with Part One premiering on Quantum Systems' YouTube channel on 26 November 2026. Parts Two and Three will follow on 30 November and 2 December.

The verified world speed record is listed on Drone World Records.

Watch the first part of *APEX: Recordhunter* at 17:00 today.

Media Material can be found here.

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Media Contact

Quantum Systems

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About Quantum Systems

Quantum Systems is a leading European defence neo-prime built on deep technology. The company develops, manufactures and deploys battle-proven autonomous systems for defence, security and civil resilience customers. Its portfolio brings together hardware, software and AI across unmanned systems, sensors and counter-UXS solutions for air, land, sea and adjacent domains. MOSAIC UXS, its AI-enabled mission combat system, connects these capabilities into an interoperable operational network, enabling forces to sense, decide and act faster. With more than 2,000 employees across eight countries, Quantum Systems combines fast-growing revenue and demonstrated profitability with the industrial base to scale across allied markets.

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