



Press Release

1 | 4

11 February 2025

Quantum Systems to showcase cutting-edge UAV technology at XPONENTIAL Europe 2025



Gilching, Germany - February 11th, 2025 - Quantum Systems, a leading innovator in drone technology providing aerial intelligence for both government and commercial clients, is proud to announce its participation at XPONENTIAL Europe 2025, the premier international event for autonomy and robotics, taking place from February 18 to 20 in Düsseldorf, Germany. In collaboration with its partners [Broadcast Solutions](#) and [MP Antenna](#), **Quantum Systems will highlight the strength of their partnership and their shared commitment to advancing UAV technology.**

Quantum Systems will present its Family of Systems, featuring the Vector, Twister, and Trinity—three UAVs delivering advanced aerial intelligence for defense and commercial applications.

The Vector is Quantum Systems' flagship mid-range eVTOL ISR drone with AI-driven autonomy and real-time object detection, ensuring mission success even in contested environments. The Twister, a rapid-deployment ISR drone, provides high-resolution EO/IR surveillance and stealth operations. The Trinity excels in mapping and surveying, offering precision data acquisition for commercial clients.



Press Release

2 | 4

11 February 2025

State-of-the-art antennas from MP Antenna and the industry's best-in-class data link from Broadcast Solutions come together with Europe's leading UAVs from Quantum Systems to deliver unmatched aerial intelligence in any environment.

Daily live demonstrations of the Vector and demonstrations of the Trinity will showcase their versatility and real-time capabilities.

Broadcast Solutions will demonstrate its meshSOFT network technology, ensuring seamless UAV communication and real-time analytics during Quantum Systems' live demo flights. MP Antenna will showcase multi-polarized UAV antennas, enhancing Quantum's UAV capabilities in dynamic environments.

"We are thrilled to present our innovative UAV platforms at XPONENTIAL 2025, alongside our valued partners, Broadcast Solutions and MP Antenna," said Sven Kruck, Co-CEO of Quantum Systems. "Our mission remains focused on delivering reliable, high-performance drones that meet the complex requirements of both defence and commercial customers. XPONENTIAL provides a fantastic opportunity to demonstrate how our technologies are shaping the future of AI-based autonomous systems.

Attendees of XPONENTIAL 2025 are invited to visit Quantum Systems at booth 1C30 to explore the latest in UAV technology and experience live demonstrations showcasing their industry-leading capabilities.



Press Release

3 | 4

11 February 2025

About Broadcast Solutions

Broadcast Solutions is one of the largest system integrators in Europe and comprises a group of globally active companies. Broadcast Solutions was founded in Germany in 2003 and stands for innovation and engineering "Made in Germany". With subsidiaries in Europe, Asia and the Middle East, the group plans and implements projects and offers its services in all areas of broadcasting and media production - worldwide.

The company's Governmental Communication division offers mobile situational awareness solutions ranging from body-mounted to tactical communication solutions for armed forces and BOS, as well as a range of complementary technologies and solutions that enable customer-oriented turnkey implementations around the globe.

With more than 250 employees worldwide and as a hardware-independent system integrator, Broadcast Solutions delivers customised solutions to its customers - from concept to implementation and beyond. For more information about our company and our products, please visit <https://broadcast-solutions.de/en/governmental-communication/>.

About MP Antenna

MP Antenna is an antenna solutions manufacturer that specializes in the design and manufacturing of multi-polarized antennas. This type of antenna features a three-dimensional element design that incorporates built in Spatial and Polarization Diversity and improves wireless communications in any application. Our patented antennas outperform all other NLOS purported antennas in quality and reliability, while providing network users with consistent and predictable connectivity.

About Quantum Systems

Quantum Systems is at the forefront of AI-powered aerial robotics, developing a family of smart systems that go far beyond traditional drones. Our advanced electric vertical take-off and landing (eVTOL) small Unmanned Aerial Systems (sUAS), combined with our Drone Port solution, are designed to deliver automated actionable aerial intelligence. Built on a



Press Release

4 | 4

11 February 2025

foundation of in-house software and AI, our systems transform aerial data into critical insights, empowering decision-making across security, defense and public safety, as well as for the commercial, industrial and GIS sectors.

Featuring cutting-edge technology like edge computing and real-time AI-driven data processing, Quantum Systems enables operators to make informed decisions with unmatched speed and precision. Our solutions bring aerial intelligence to your fingertips, automating the entire process—from deployment to data analysis.

Founded in 2015 and headquartered at Special Airport Oberpfaffenhofen near Munich, Quantum Systems operates globally with locations in the United States, Australia, Ukraine and Romania. Our German-engineered technology is trusted worldwide, paving the way for a new era of data-driven solutions.

Claudia Steinhoff

Head of Communications & Marketing

csteinhoff@quantum-systems.com