

**Quantum-Systems GmbH and Africa's leading drone services provider, Rocketmine, a member of Delta Drone International (DLTI) enter into strategic partnership to expand drone-based service offering across the continent and Australia**

*Both market leading companies note an increasing demand for drones-based LiDAR solutions and partner to enable clients exploiting the full potential of this technology*

**MUNICH, Germany, and JOHANNESBURG, South Africa— February 10, 2022 — [Quantum-Systems](#)**, an innovative developer, and producer of advanced eVTOL UAVs officially announced today a strategic partnership with leading drones as-a-service provider, Rocketmine to meet the growing demand for actionable, aerial Light Ranging and Detection (LiDAR) data across the African continent and Australia.

Having deployed the innovative technology solutions across multiple countries and projects over several years, Rocketmine's expertise as a drone-technology leader and service to the African continent's biggest companies is unsurpassed.

The use of a LiDAR scanner as remote sensing method generates precise, three-dimensional information about the shape of the Earth and its surface characteristics. This kind of fast actionable data is crucial for mine operators when calculating stock volumes and for other measurements. Historically, aerial LiDAR has been a technology that could only be deployed by manned aircraft such as helicopters or planes.

Quantum-Systems introduced the Qube 240 LiDAR sensor in 2021, which has been transformative for the industry since, offering attractive applications for several operations. The Qube 240 produces survey grade results, weighs only 930g, and can be mounted on the Trinity F90+ eVTOL fixed-wing UAV.

As a technology agnostic company and being an early adopter at the same time, Rocketmine always deploys best in class technology and solutions for their clients' missions in challenging and complex African environments. This strategy brought them together with Quantum-Systems, an innovation-driven company, pushing new technologies to market.

Quantum-Systems joined Rocketmine on their RocketTechTour in September 2021 for extensive deployment of the Quantum-Systems portfolio. Over 24 days and 3,000 km of travel, 15 missions were completed, 14 flight hours conducted, and three different sensors

deployed, including the Qube240 LiDAR sensor, and more than two (2) Terabytes of survey grade LiDAR data was captured.

The operations on the tech tour were successful, proving the usability, accuracy, and quality of Quantum-Systems products.

As Camron Pfafferot, Rocketmine's Head of Sales and Marketing says: "Rocketmine is currently backed by major multinationals in agriculture, mining, and security for leading aerial data services in Africa. Quantum-Systems brings increased capabilities to our existing service offering and is disrupting the manned LiDAR model through more agility, cost efficiency and versatility. Through Rocketmine's experience in South, East, West and North Africa, its global 4th ranking (Droneii), current and future clients are now in a position to benefit significantly from our long-range drone LiDAR turnkey offerings."

The successful testing period led to the conclusion of the global enterprise agreement, solidifying the relationship between both companies.

"We are very excited about this strategic partnership," says Florian Seibel, CEO and Co-Founder of Quantum-Systems. "In Rocketmine, we have found a partner who confirms the performance and quality of our products daily. The team around Christopher Clark and Camron Pfafferott is very open to new technology, but they also test it to its limits before adding it to their service offering. For an innovation-driven company like Quantum-Systems, partnerships like this are invaluable."

By combining expertise, Rocketmine can bring state of the art technology and service to its customers in Africa, Australia, and beyond offering an all-in-one solution that no one else has been able to offer to clients in that region before.

**Provided quote:**

Christopher Clark, Managing Director, Rocketmine and CEO, Delta Drone International:

*“Rocketmine’s drone-based LiDAR solutions are based on the best available technology globally. We have developed deep expertise in deploying advanced systems in challenging and diverse conditions across Africa over many years, and are to provide actionable drone-based data to clients. This partnership with Quantum-Systems enables us to continue providing an unmatched level of service and expertise to some of the world’s leading companies active in mining, security, agriculture and more.”*

## **About RocketMine**

RocketMine, a member of DeltaDrone International (DLTI), provides professional drone survey & mapping data services to corporate customers predominantly in the mining, agriculture, and security sectors.

A Delta Drone International subsidiary, Rocketmine is in charge of developing the Group's "mines" solution. Operating predominantly in Africa and Australia, Rocketmine provides the daily topographic data essential to surveyors for mine management. The solution can digitize entire sites, including infrastructures, for the gradual construction of a 3-D digital model. Delta Drone International has ranked fourth in Drone Industry Insights Top Global Drone Service Providers for 2021.

## **About Quantum-Systems**

Quantum-Systems GmbH develops and deploys small Unmanned Aircraft Systems (sUAS) for the geospatial community (commercial product line) and the defense, security, and intelligence community (governmental product line), providing unprecedented data quality, efficiency, and operational usability.

The fully autonomous sUAS with AI edge computing capabilities enable its users to capitalise on the emerging megatrend of autonomous sUAS data acquisition solutions that will open entirely new markets and applications. All Quantum-Systems sUAS combine eVTOL (electrical vertical take-off and landing) capabilities with long-range utilising electrical and aerodynamic efficiency.

The continuous integration of state-of-the-art sensors into the systems allows for increased aerial data intelligence. **For more information:** [www.quantum-systems.com](http://www.quantum-systems.com)

**Find us on social:** [Twitter](#), [LinkedIn](#), [Facebook](#).

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Quantum-Systems Ghana Use Case:

[https://www.quantum-systems.com/project/use-case\\_gather-precise-lidar-data-under-dense-vegetation-for-risk-analytics-ghana/](https://www.quantum-systems.com/project/use-case_gather-precise-lidar-data-under-dense-vegetation-for-risk-analytics-ghana/)

The RocketTechTour:

[https://www.linkedin.com/posts/rocketmine-aerial-data-solutions\\_rockettechtour-nextgeneration-dronesaservice-activity-6851074273700810752-PMeb](https://www.linkedin.com/posts/rocketmine-aerial-data-solutions_rockettechtour-nextgeneration-dronesaservice-activity-6851074273700810752-PMeb)