

EuQlid Emerges from Stealth with Quantum Sensing Platform for 3D Imaging of Semiconductors and Batteries

Qu-MRI(TM) unlocks high-throughput, non-invasive and contactless imaging of sub-surface electrical currents

COLLEGE PARK, MD, UNITED STATES,
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-- EuQlid, a quantum technology company developing next-generation design and metrology tools, today announced its emergence from stealth mode with \$3 million raised from lead investor QDNL Participations with participation from Quantonation, and over \$1.5 million in early customer revenue, to deliver a breakthrough 3D imaging solution for semiconductors and batteries.



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*Paul van der Heide Ph.D.,
Materials and Component
Analysis Director at Imec*

EuQlid's proprietary quantum imaging platform – Qu-MRI(TM) – enables non-destructive mapping of buried current flow with unprecedented precision inside complex materials and devices.

The company's quantum-based technology addresses a critical gap in the semiconductor and energy storage industries, visualizing sub-surface currents with precision and speed, where today's inspection and test tools cannot reach, for new product development and high-volume manufacturing yields.

Multi-Billion Dollar Market Opportunity

The insatiable compute demand of AI is accelerating semiconductor logic, memory and advanced packaging to adopt complex 3D architectures to deliver improved performance, cost and power. New metrology and inspection tools are required to control and optimize increasingly complex manufacturing workflows. Global demand for advanced metrology and inspection tools exceeds \$10 billion annually and is growing rapidly with the adoption of 3D

architectures.

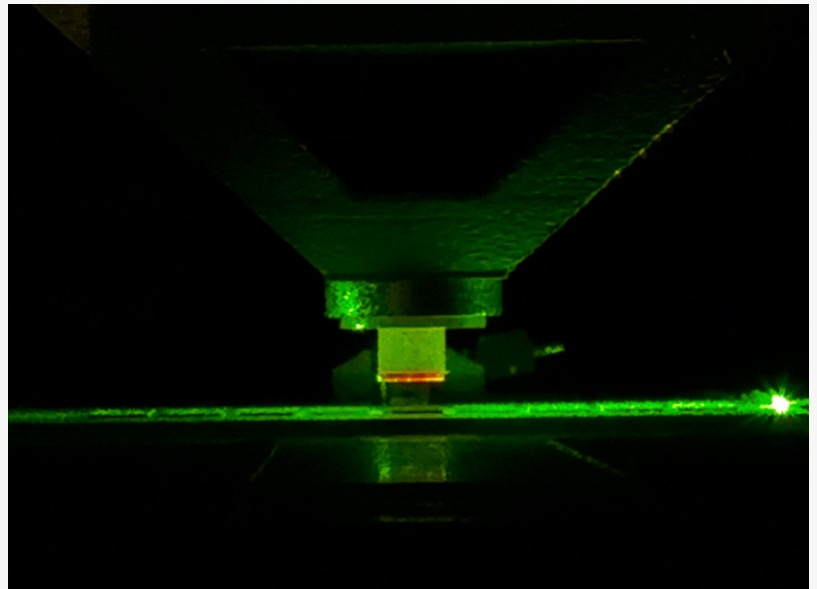
“Our mission is simple,” added Sanjive Agarwala, co-founder and CEO. “We want to make quantum precision available now, addressing fundamental 3D metrology and inspection whitespace, to enable the next era of semiconductor and battery revolution.”

Quantum Precision Meets Industrial Scale

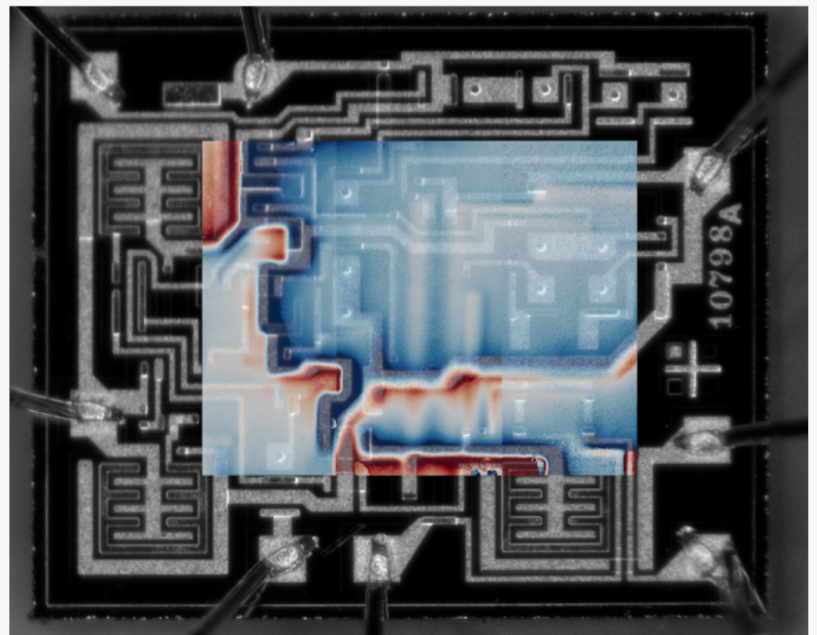
The Qu-MRI platform combines quantum magnetometry with advanced signal processing and machine learning to deliver buried electrical current maps with high-throughput and nano-amp sensitivity, without physical contact or destructive cross-sectioning. These capabilities provide customers with powerful insights, from spatial analysis of state-dependent power flows in functioning CPUs and GPUs, to the detection and localization of interconnect stacking errors during high bandwidth memory manufacturing. The flexible core technology will drive applications in semiconductors, energy storage, and advanced materials, for both R&D labs and inline manufacturing environments.

“EuQlid’s Qu-MRI addresses a foundational technology need for the design and manufacturing of next-generation semiconductors, by non-invasively visualizing buried connectivity defects,” said Paul van der Heide Ph.D., Materials and Component Analysis Director at Imec.

From Quantum Science to Fab-ready tools



EuQlid's Qu-MRI uses Quantum NV-diamond magnetometry to deliver buried electrical current maps.



EuQlid's technology provides customers with powerful insights, from spatial analysis of state-dependent power flows in functioning CPUs and GPUs, to the detection and localization of interconnect stacking errors in HBMs.

EuQlid was founded by Ronald Walsworth, David Glenn and Sanjive Agarwala, a leading team of physicists and engineers from Harvard, Yale, Univ. of Maryland, Cadence and Texas Instruments, combining deep expertise in atomic physics, quantum sensing and the semiconductor industry.

“We are thrilled to lead the investment round in EuQlid, a company founded by true pioneers of diamond-based quantum sensing and guided by a seasoned semiconductor executive, addressing a critical bottleneck in advancing the next generation of semiconductors and batteries,” said Kris Kaczmarek, Ph.D., Investment Director at QDNL Participations.



From left to right: Ronald Walsworth (Academic co-founder), Sanjive Agarwala (CEO and co-founder) and David Glenn (CTO and co-founder)

“Semiconductor fabrication is a critical and strategic industry, and we are excited for EuQlid’s quantum sensing technology to target a key whitespace to help the sector grow to its next phase,” said Will Zeng, Ph.D., Partner at Quantonation.

First-Generation Product Deployed Across the Globe

EuQlid’s first-generation Quantum Diamond Microscope (QDM) product for geosciences and bioimaging applications has been delivered worldwide and is in use at Harvard University (USA), New York University (USA), Oxford University (UK), and Curtin University (Australia), among others.

“The now-widespread demand in geosciences for new QDMs demonstrates that it has succeeded spectacularly in this regard. Along the way the capabilities that EuQlid has developed to measure minute magnetic fields at microscopic scales are the perfect launchpad for micro-electronics applications,” said Roger Fu, Ph.D., Professor of Earth and Planetary Sciences at Harvard University.

About EuQlid

EuQlid is a quantum technology company pioneering advanced quantum sensing platforms that harness the power of quantum defects in diamonds. Its flagship solution, Qu-MRI, enables non-destructive mapping of buried current flow with unprecedented precision inside complex materials and devices. The company’s first product, the Quantum Diamond Microscope (QDM), has revolutionized the field of paleomagnetism. By combining quantum magnetometry with

advanced signal processing and AI-driven analytics, EuQlid enables industry leaders to solve some of the most pressing technological challenges of the 21st century. Follow EuQlid on LinkedIn or visit the company website at <https://www.euqlid.io/>

About QDNL Participations

QDNL Participations (QDNLP) is a \$70 million specialized investment fund dedicated to investing in early-stage quantum technology companies worldwide. Its team brings a unique blend of top-tier scientific and technical expertise, with PhDs in Physics from institutions such as Oxford, Stanford, Harvard, Yale, and UC Berkeley. With a strong focus on quantum technology, QDNLP has extensive experience and a proven track record in investing in breakthrough technologies. Established in 2022 by General Partner Ton van 't Noordende, the fund's investment team operates across the Netherlands, the UK, and the US. Follow QDNL Participations on LinkedIn or visit the firm's website at <https://www.qdnlparticipations.nl>

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