Press Release

Q.ANT strengthens operational leadership with addition of Dr. Lars Bach as VP Operations

Industry-tested executive brings deep semiconductor and related technology experience to drive next phase of photonics processor company's strategic growth

Stuttgart, Germany, February 12, 2026 – The Stuttgart-based deep tech company Q.ANT continues to expand its management team with the appointment of Dr. Lars Bach to the newly created position of Vice President Operations as of February 1st. In this role, Dr. Bach will be responsible for driving operational excellence, establishing and scaling infrastructure and supply chain strategies, and strengthening organizational development. He is also chartered with advancing the quality and industrialization of Q.ANT's photonic processors and server systems - ensuring that they are robust, scalable, and market-ready. Q.ANT's target customers include commercial data centers and high-performance scientific and industrial applications.

Lars Bach, who holds a doctorate in physics and is a semiconductor specialist, has more than 20 years of international management experience in the semiconductor industry and related high-tech sectors such as solar energy, aerospace, and automotive. With close ties to the deep tech supply chain and investor ecosystems, he has a proven track record for transitioning R&D-driven organizations to industrially scaled, viable production environments.

"Ramping up the commercialization of our photonic processors requires that our management team has both a deep technical understanding of how our products benefit customers as well as a comprehensive knowledge of the operational requirements for ensuring successful product development and delivery," says Dr. Michael Förtsch, founder and CEO of Q.ANT. "Lars Bach has extensive experience in both of these areas, and his expertise in building global organizations is a key building block for Q.ANT's growth and market leadership ambitions. His appointment underscores our effort to transition photonic computing from development to industrial applications and become a leading provider in the field of high-performance computing."

Dr. Bach was previously Chief Operating Officer at MICLEDI Microdisplays. There, he was responsible for the strategic and operational expansion of the company with a focus on technology and production scaling, organizational development, and positioning in the international semiconductor and capital market environments.

"Q.ANT is at a crucial point: the technology is ready for the market," says Dr. Lars Bach. "Now it's a matter of building industrial performance, scalability, and reliability. Q.ANT combines excellent photonics fundamentals with a clear commercial vision. The combination of deep tech, entrepreneurial ambition, and a highly motivated team immediately impressed me."

About Q.ANT

Q.ANT is a photonic deep-tech scale-up developing photonic processing solutions that compute natively with light and deliver a scalable alternative to transistor-based systems. Its Light Empowered Native Arithmetic (LENA) architecture delivers analog co-processing power optimized for complex computation and enabling energy-efficient performance for next-generation AI and HPC applications. Q.ANT operates its own Thin-Film Lithium Niobate (TFLN) chip pilot line in collaboration with the Institute for Microelectronics Stuttgart, IMS CHIPS, and is currently shipping its Native Processing Servers to selected partners. Founded in 2018 by Dr. Michael Förtsch, Q.ANT is headquartered in Stuttgart, Germany. [www.qant.com]

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Image and caption

Dr. Lars Bach joins Q.ANT as Vice President Operations
(Photos: Q.ANT GmbH).

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