



Press Release

TRUMPF joins the Quantum Technology & Application Consortium

Ditzingen/Berlin (Germany), January 24, 2023 – The Quantum Technology & Application Consortium (QUTAC) is welcoming a new member: the high-tech company TRUMPF is joining forces with the consortium's twelve existing members to bring quantum computing into industrial utilization.

Quantum computing for machine tools and industrial lasers

"With the high-tech company TRUMPF, we're welcoming yet another highly innovative German company to QUTAC. We stand to be enriched by their experience in applying quantum computing to essential areas such as machine tools, networked manufacturing, and laser technology", says Jörn Messner, Chairman of the QUTAC Executive Committee and CEO of Lufthansa Industry Solutions. "This will bring us one step closer to an economically successful quantum computing ecosystem, as well as to digital sovereignty for Germany and Europe."

TRUMPF will initially be active in QUTAC's Production & Logistics and Quantum Systems working groups. The applications the Ditzingen-based company will develop will focus on optimizing machine occupancy on the production floor, image processing via machine learning, and how quantum computing can be harnessed to accelerate machine learning. TRUMPF is also researching how to use quantum computing to simulate heat input during laser cutting and how it can improve production equipment automation.

"Quantum computing is one of the key technologies for enhancing Germany's position as a business location. Joining the consortium means we are maintaining our commitment in this area and we're ready to contribute to making quantum computing usable for a variety of industries," says Frederick Struckmeier, responsible for quantum computing applications at TRUMPF.



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About TRUMPF

As a high-tech company, TRUMPF offers solutions in the fields of machine tools as well as laser technology and drives connectivity in the manufacturing industry through consulting, platform and software offerings. In the fiscal year of 2021/22, with its approximately 16,500 employees, TRUMPF generated sales of around 4.2 billion euros. Its status as an independent, family-owned company with headquarters in Ditzingen near Stuttgart, as well as its long-term orientation, make TRUMPF a champion of continuous innovation.

Within QUTAC, TRUMPF represents the fields of mechanical engineering, connected manufacturing and laser technology. The company is primarily dedicated to the development of quantum computing applications for optimizing machine occupancy in production, image processing through machine learning, and the simulation of heat input in laser cutting.

About QUTAC

The Quantum Technology and Application Consortium (QUTAC) is where some of the largest German business and industry players join forces to bring quantum computing up to large-scale industrial application levels. QUTAC's twelve existing members are BASF, BMW Group, Boehringer Ingelheim, Bosch, Deutsche Telekom AG, Infineon, Lufthansa Industry Solutions, Merck, Munich Re, SAP, Siemens, TRUMPF and Volkswagen. Through a raft of joint development projects, QUTAC members are making decisive progress towards the first practical applications for quantum computing, both in their own industries and cross-sectorally. The aims of the consortium are to identify, develop, test, and share applications for quantum computing and to identify funding needs.

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