

At TNO, we focus on designing algorithms to tackle industry challenges while assessing feasibility and adoption timelines.

So far, we have implemented quantum solutions in sectors such as energy, finance, agriculture, satellite modeling, advanced materials, and medicine.

The TNO Quantum Application Facility aims to showcase and accelerate quantum adoption in industry through three key pillars:

1. Hardware:

Access to state-of-the-art quantum systems for diverse use cases.

2. Software:

Development of versatile software building blocks.

3. Applications:

Building solutions to integrate hardware and software into industry pipelines.

What we offer

The QAL facility seeks partners exploring quantum computing solutions for their business or facing computational challenges beyond current systems. We also strive to help organizations new to quantum seamlessly enter the ecosystem. We analyze workflows to identify quantum-driven speedups, providing both future insights and immediate efficiency gains through innovative problem-solving. The QAL Facility offers three collaboration models based on your quantum ambitions:

Strategic Exploration: A high-level study of quantum's potential for your industry and the steps needed for adoption.

Use Case Exploration: In-depth analysis to identify potential quantum use cases and propose solutions.

Application Development & Implementation: Focused development of a specific use case, including implementation and a roadmap for adoption.

Contact us!

The QAL Facility is your gateway to quantum computing, offering hands-on, risk-free exploration backed by cutting-edge R&D. As a key player in the Dutch quantum ecosystem, partnering with us provides seamless access to industry advancements and expanded opportunities for your business.

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Digital Quantum technology

QUANTUM APPLICATION LAB

TNO innovation for life

Building Quantum Computing Solutions for your Organisation



