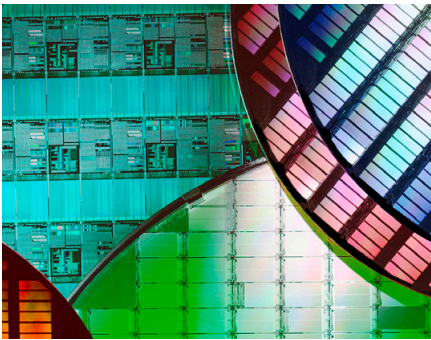


ABOUT US

Hardware and systems to solve scaling bottlenecks for Quantum Computing

PiCard Systems develops advanced solutions that address critical bottlenecks in the quantum computing industry, including qubit quality control, error monitoring, and quantum information storage.



The quantum computing industry faces a fundamental scaling challenge: how to manufacture high-performance qubit chips in a quality-controlled, reliable and cost-efficient way.

Manufacturers of Quantum Processing Units (QPUs) need fast, reproducible, and wafer-scale qubit chip characterization before chips are diced, packaged, and integrated into quantum computers.

Wafer-scale qubit quality control system

At PiCard Systems we develop a platform that enables pre-dicing evaluation of qubit performance accelerating process optimization, reducing errors and enhancing performance in quantum computers.

Key advantage: Pre-dicing

- Wafer-level characterization
- Rapid feedback for process control and yield improvement
- Table-top footprint
- Cryogenic operation

CORE TEAM



Viktoria Eles, PhD
CTO and co-founder



Siebe van Mensfoort, PhD
CEO and co-founder



Sara Marzban, PhD
Lead Scientist

MISSION

Our mission is to unlock the full potential of quantum computing by building the hardware infrastructure required for scalable, high-performance quantum systems.

Beyond quality control, PiCard is developing a materials-platform technology aimed at quantum information storage and quantum microprocessing. By leveraging quantum-state-based information processing, our technology targets reduced error rates and enhanced performance in next-generation quantum architectures.

We believe scalable quantum computing requires both precise hardware control and robust quantum state preservation – and our technology addresses both.

RESEARCH



PiCard Systems is a spin-off from Radboud University (the Netherlands). Its technological foundation originates from advanced materials research conducted at the national HFML-FELIX institute, where our fundamental studies of quantum materials laid the groundwork for scalable quantum hardware concepts. Our approach builds on years of experimental work in semiconductor materials, cryogenic systems, and quantum-relevant material characterization.

Scientific research remains at the core of our innovation strategy.

PARTNERS

R&D PARTNERS

HFML-FELIX || RESEARCH

Radboud Universiteit

TU/e
Eindhoven
UNIVERSITY OF
TECHNOLOGY

LiS
Leiden
instrumentmakers
School

UNIVERSITY
OF TWENTE.

INDUSTRY NETWORKS

HOUSE OF
QUANTUM

Quantum Delta NL

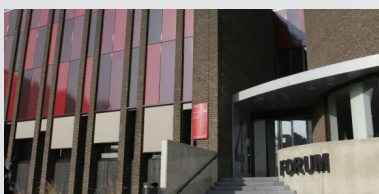
UIC
University of Innovation
and Creativity

FUNDING

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NWO

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House of Quantum

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