

Building quantum sensors for the healthcare industry and the world

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Seeing the invisible

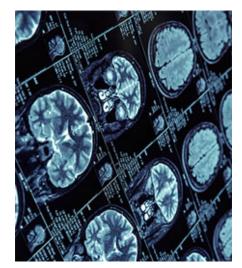
Quantum sensors will impact a wide range of industries under-going rapid change, including healthcare



RESEARCH 2D Materials



SEMICONDUCTOR Beyond Moore's law



HEALTHCARE Early stage diagnostics

NAVIGATION Secure geopositioning system

The unique precision & accuracy of quantum sensors allow to measure what has never been measurable before



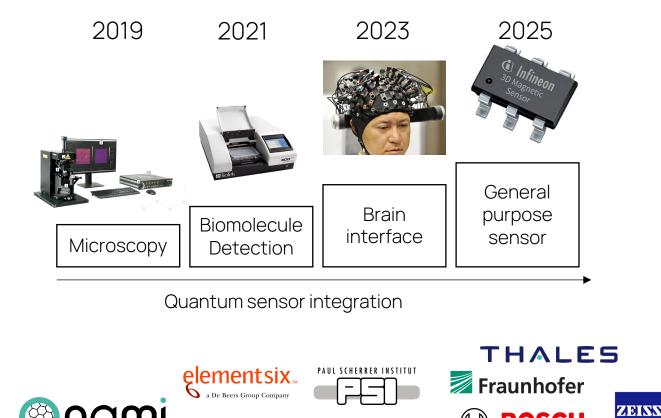
Qnami AG I www.qnami.ch

Enabling the quantum revolution

A quantum ecosystem is needed to address key challenges in core technology.

BOSCH

Leading quantum sensing technology: NV centers in diamond



Miniaturization
Energy footprint
Manufacturing costs
Reliable high volume production

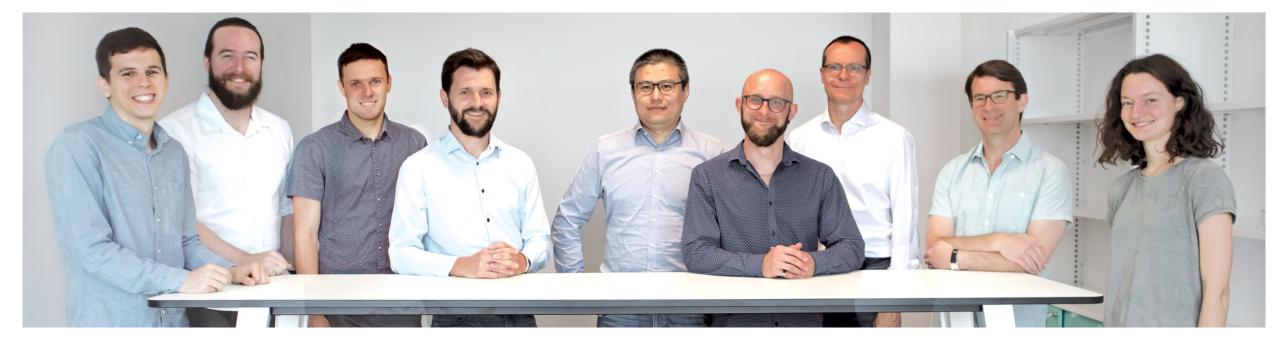
First products in market

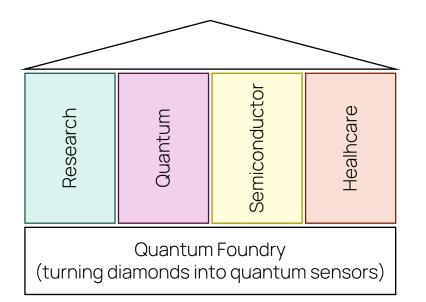
Strong EU ecosystem incl. tier-1 RTOs, start-ups & industry leaders

Government involvment

OPPORTUNITIES

The quantum diamond valley: historical expertise in quantum sensing





Qnami AG, Basel, Switzerland

- Founded in Nov 2017
- 15 people, 11 PhD, 1MBA
- 60+ years experience in quantum (foundry, software, instrumentation)
- >5 MEUR Investment
- International partnerships



Quantum microscope

High resolution scanning probe microscopes powered by diamond quantum sensors unlock new possibilities

APPLICATIONS



Qnami ProteusQTM (Commercial launch 2019)



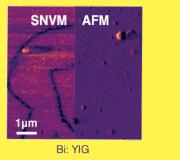


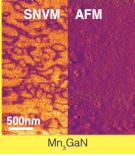
KEY FEATURES

Materials Research (2D materials) Future of computing (spintronics, quantum computing) Life-science (nanoscale NMR)

Atomic sensitivity & nanometer spatial resolution

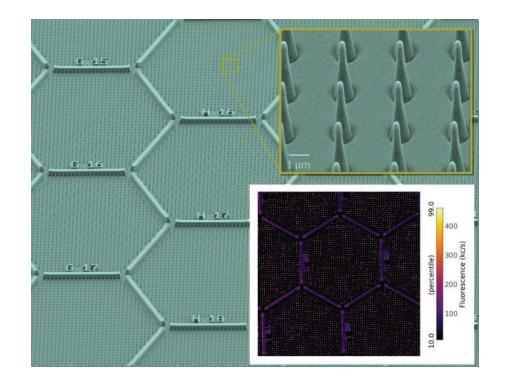
Easy to use Simultaneous mapping Unprecedented insights





Bio sensing chips

Quantum chips for sensing of magnetic bio-markers



THE CITY UNIVERSITY Immuno assay detection Nanoscale chemical compound analysis Nanoscale MRI

KEY FEATURES

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APPLICATIONS

Quantum grade NV diamond Best spin properties Boost in sensitivity Flexible design





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