

Q.ANT

Industrial Quantum Technology

2021-11-03

Michael Förtsch (CEO)

We are ...

... Revolutionizing the

Machines

People

Humans

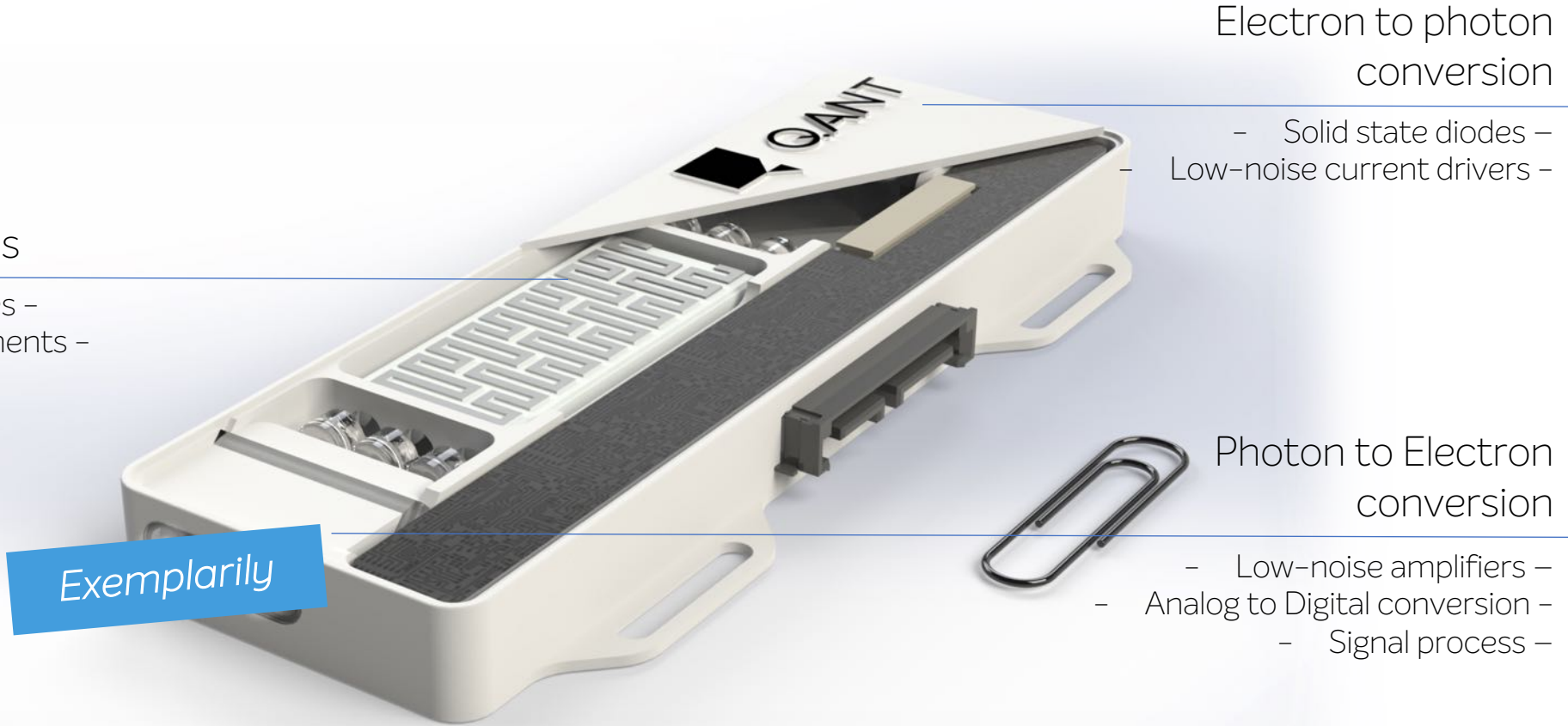
Quality how

Analyze their environment

Notice information and the way

Think

Q.ANT delivers photonic Quantum technology for industrial applications together with our partners.



Electron to photon conversion

- Solid state diodes -
- Low-noise current drivers -

Quantum controls

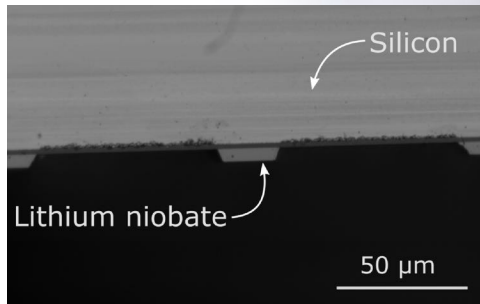
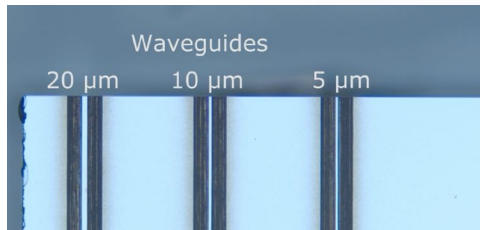
- Nonlinear waveguides -
- Tailored Optical Elements -

Photon to Electron conversion

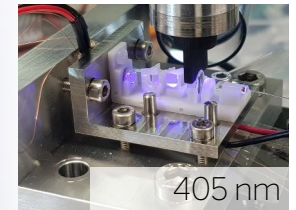
- Low-noise amplifiers -
- Analog to Digital conversion -
- Signal process -

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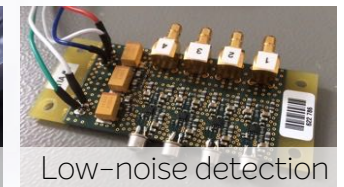
Quantum controls



Electron to photon conversion



Photon to Electron conversion



Q.ANT has realized multiple market-oriented developments in its first three years.

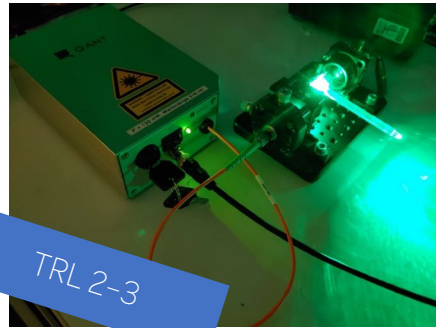
Particle Sensing



TRL 7-8

- Measurements in liquids and gases
- Simultaneous measurement of speed, size, direction and particle shape
- Real-time measurement
- Room temperature operation
- Hard- and Software API

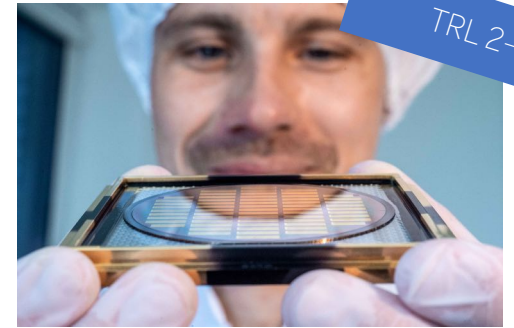
Magnetic Sensing



TRL 2-3

- Room-temperature operation
- pT resolution
- Low power-consumption

Photonic Q-Computing



TRL 2-3

- Wafer-based chip processing
- Low-losses (0.1 dB/cm)
- Room-temperature operation (chip)
- Monolithic design

SPONSORED BY THE



Q.ANT has realized multiple market-oriented developments in its first three years.

What we offer



1. Market oriented Quantum Technology
2. Particle Sensors
3. Nonlinear Waveguides
4. High expertise in
 - Photonics
 - Quantum Technology
 - Electronics
 - Software

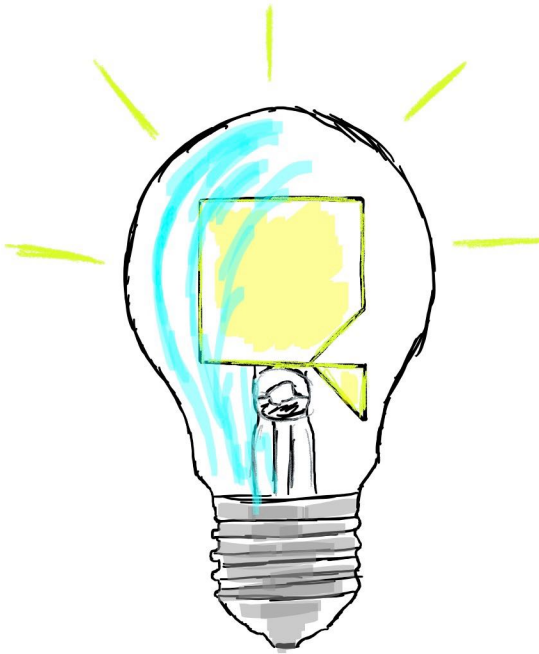
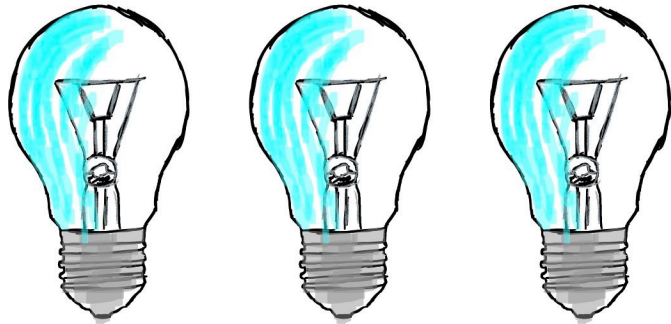
What we look for



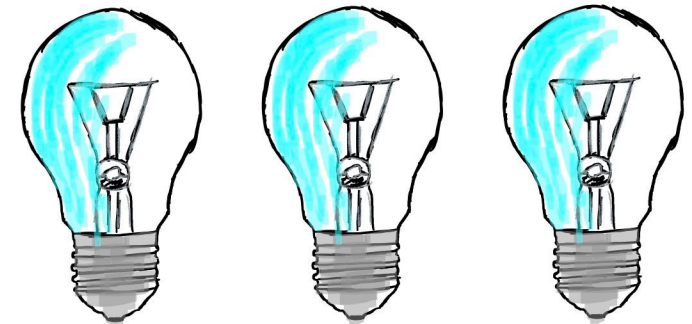
1. Cooperation in Sensing and Computing
 - Partners along the value chain
 - Development partners
2. New Q.ANTies



You are brilliant



start@qant.de



We hire you