

Leading Innovation in Quantum Sensing

Company Presentation | 2026

Bosch Quantum Sensing – Part of the Bosch Group

Introduction

Robert Bosch GmbH

*Four business sectors,
Invented for life*

Mobility, Industrial Technology,
Energy & Building Technology,
Consumer Goods



Mobility

Shaping a new era of mobility

State-of-the-art vehicle electronics
and software development for
mobility innovations



Bosch Quantum Sensing

*Sensing solutions for the high-
sensitive segment*

Magnetic field quantum sensors for
a variety of applications from Mobility
to MedTech to Consumer Goods

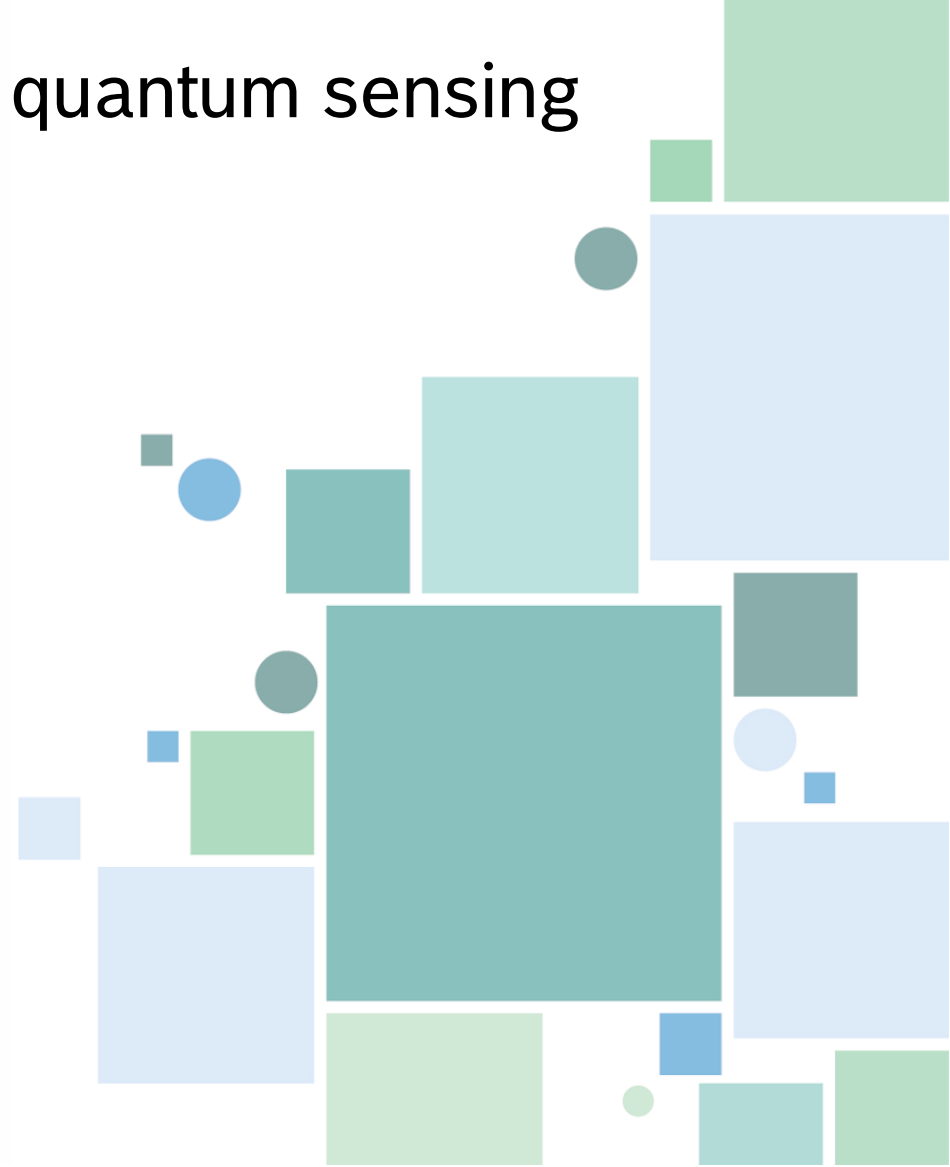


*Preliminary figures for the 2025 business year; may differ from figures published in the subsequent consolidated financial statement.

We shape the future as global leader in quantum sensing

What we do

- ◆ **Cutting-edge magnetic field quantum sensor** delivering measurements with unprecedented accuracy in a portable device
- ◆ **Game-changing solutions** for various application fields
- ◆ In short: We **“Create beyond possible”**.



We operate with a stable setup designed for sustainable progress

Key facts



01/2022

Start-up established
to commercialize
quantum sensing



40+

Team of highly
skilled technology and
business experts



DE

Located in
Ludwigsburg,
Germany



04/2025

Joint venture
signed with
Element Six

We bring a unique combination of competences

What sets us apart



**Research
excellence**



User centricity



**Startup
environment**



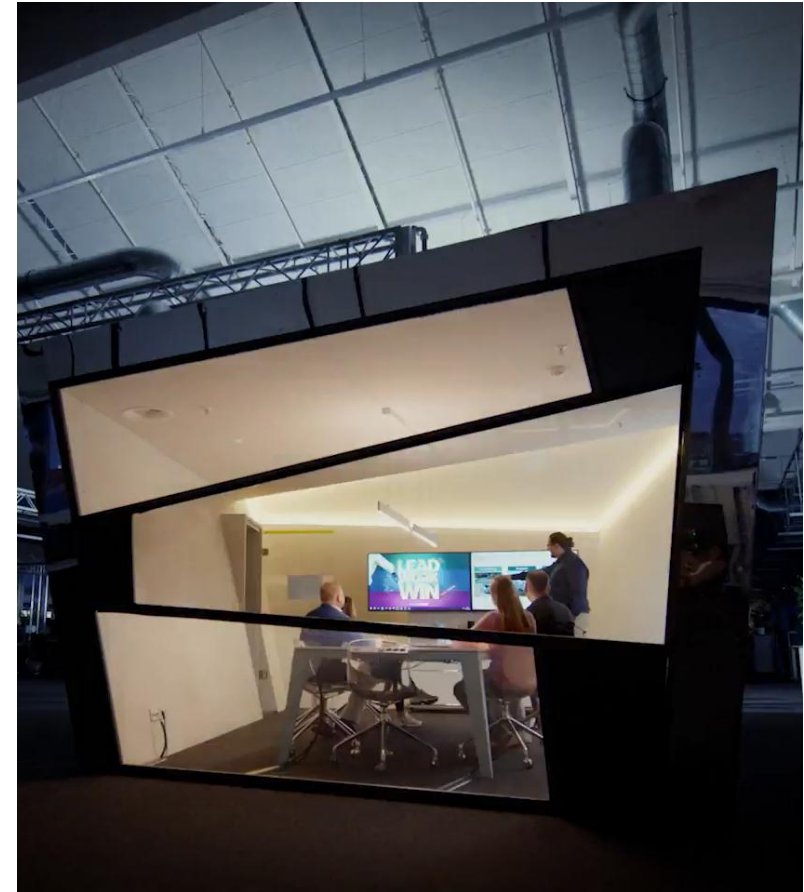
Global network



**Exceptional
team**



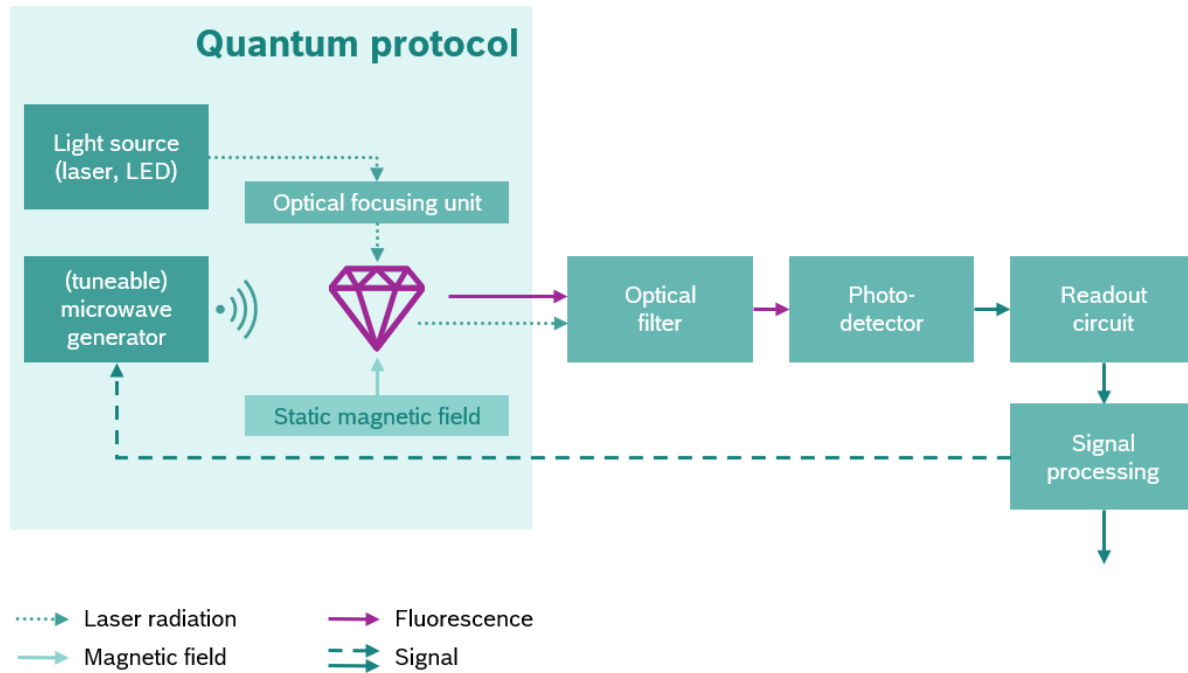
**Leaving an
impact**



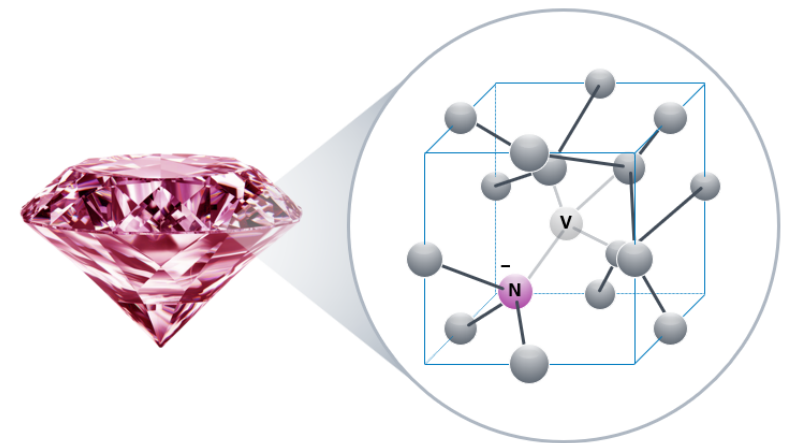
We orchestrate complex components to build a quantum sensor

NV quantum magnetometer

Main components and sensing principle



Nitrogen vacancy (NV) center in diamond

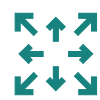


NV quantum magnetometer offer a unique combination of benefits

Advantages



Extremely sensitive



Higher spatial resolution



Small in size, portable



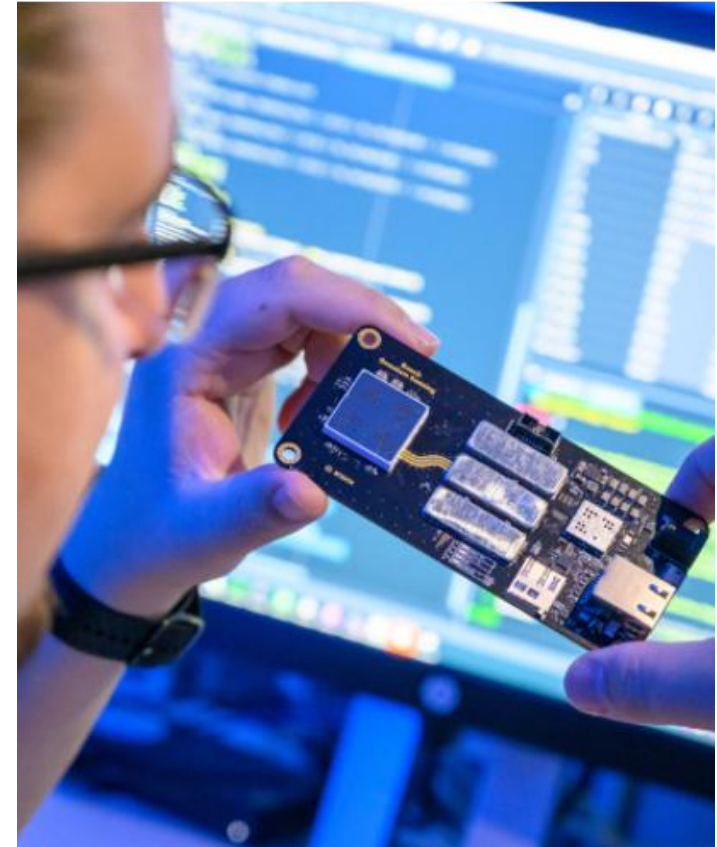
Vector information



Wide measuring range



Highly robust



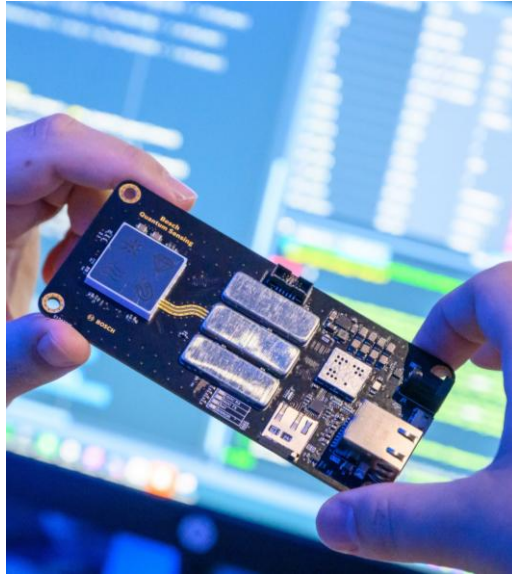
Selected highlights of our technological progress

Key advances

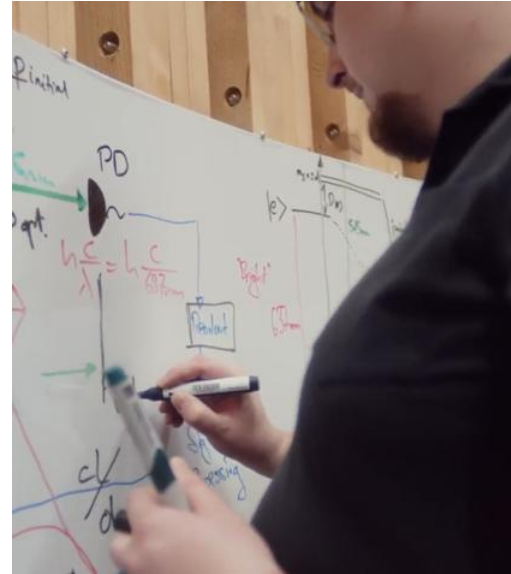
Building on 10+ years of corporate research



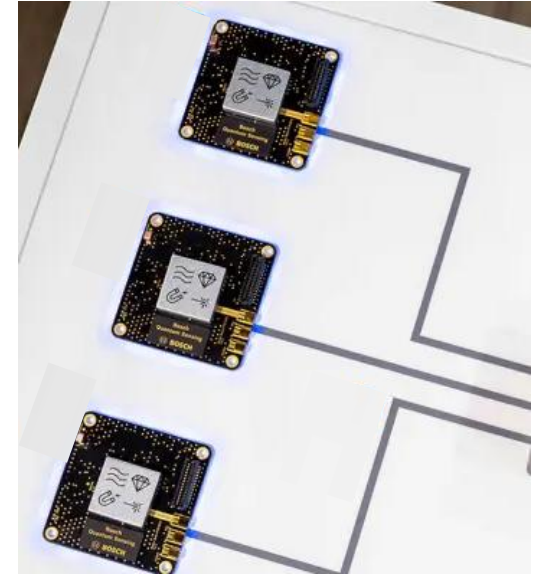
Miniaturized to cell phone size in <2 years



Multi-physics optimization for high sensitivity



Modular approach for different applications



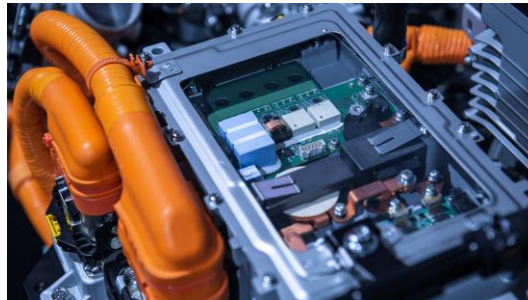
NV sensors address a large variety of potential application fields

Overview

NAVIGATION & EXPLORATION



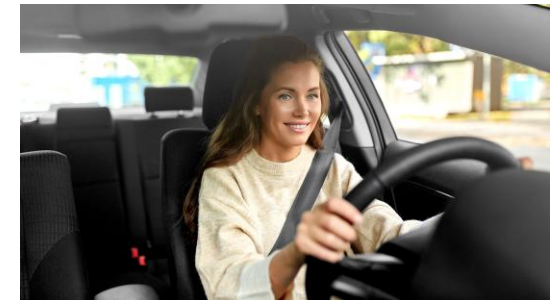
PROCESS OPTIMIZATION



MEDICAL APPLICATIONS



CONSUMER GOODS



Our long-term vision: Controlling things purely by thoughts

Brain-computer interfaces (BCI)

Future outlook:

In a more distant future, our sensors should be able to measure brain signals and transform them into real-time actions.

Disruptive potential in a variety of markets, e.g.:

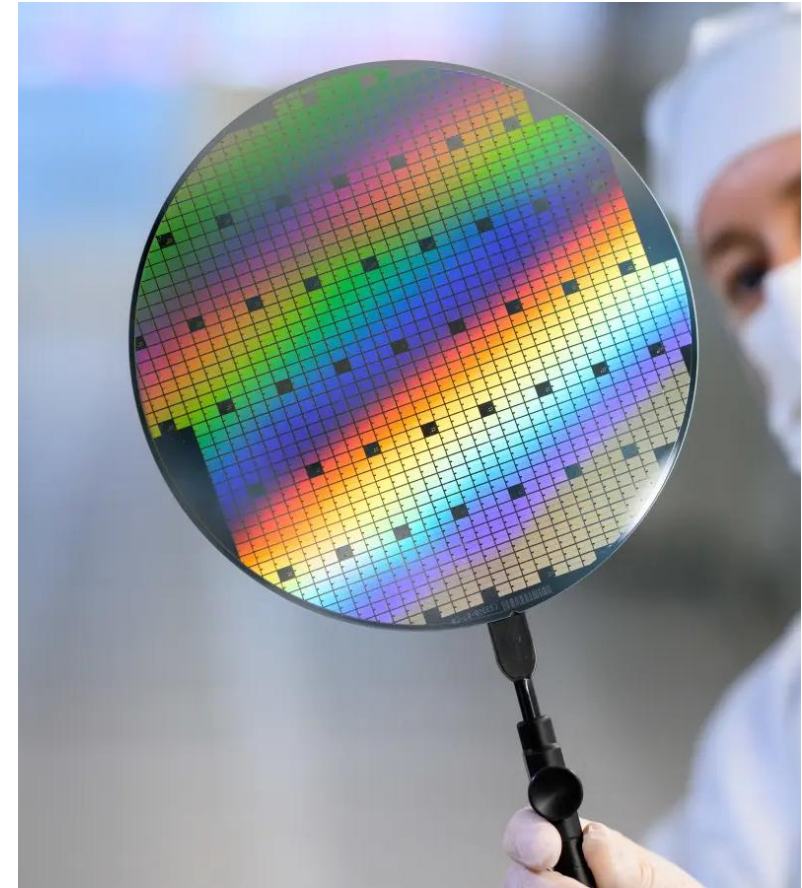
- Gaming: Mind-controlled avatars
- MedTech: Natural control of prostheses
- Manufacturing: Safe & more efficient machine control



Industrialization #LikeABosch

Unique capabilities within the Bosch Group

- **Expert in high-volume production at highest quality**
with proven expertise in areas such as:
 - design for manufacturing
 - cost optimization
 - production processes
- **Pioneer in MEMS sensor production with...**
 - more than 23 billion MEMS sensors produced
 - 100% in-house from design to manufacturing
 - industry-proven reliability
- **Access to high quality NV diamonds**
 - securing critical single source
 - extending our technological lead
 - strengthening the European quantum sensing ecosystem



Bosch Quantum Sensing

#CreateBeyondPossible

www.bosch-quantumsensing.com

www.linkedin.com/company/bosch-quantum-sensing