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**Welcome to
Workshop Quantum sensors**

Technology and commercial possibilities

Background:

Synthetic diamonds at TNO, Netherlands

Can we produce quantum sensors in DK?

Key applications:

- ❖ Defense
- ❖ Navigation: Aircraft, future application in cars?
- ❖ Medical application
- ❖ Mineral exploration

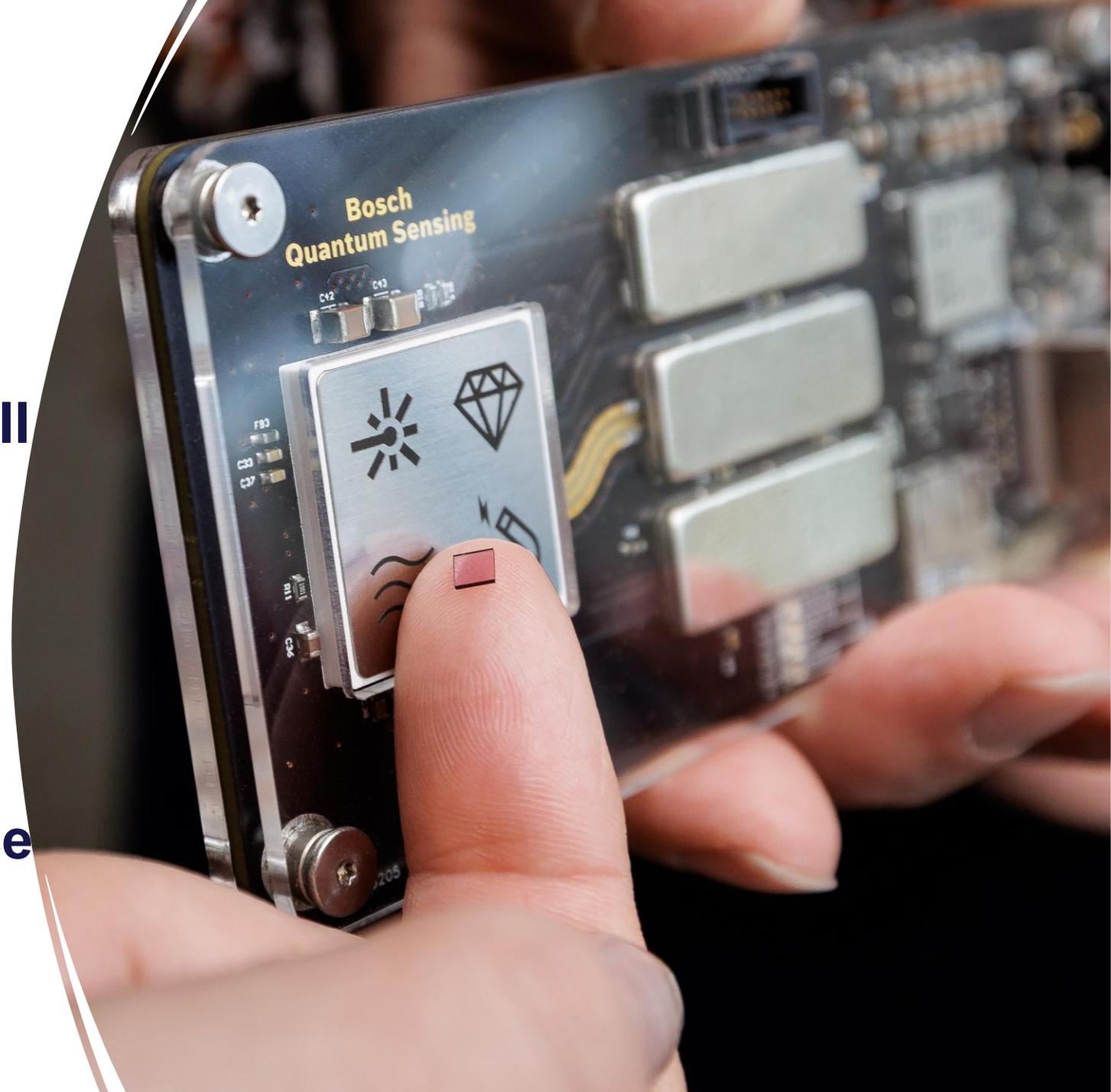
A big market possibility: Should Denmark pursue this?



The market

Bosch estimates the global market potential of medical and mobility applications will reach around €5 billion per year

Bosch has launched a company working with synthetic diamonds, demonstrating its confidence in the technology



Danish possibilities

We have quantum knowledge in Denmark within universities and private companies

DTU Nanolab is building a clean room dedicated to the production of quantum chips

The Danish government wants Denmark to become a leader in quantum technology, presenting a significant opportunity

There are activities in Denmark, but there is a notable lack of cross-sector awareness about developments and capabilities

Could increasing knowledge between quantum research organizations and industrial players lead to new ideas, opportunities, companies, and products?

Strengthening these connections could unlock further potential for collaboration, product development, and the establishment of new ventures.

The idea

Could you present here today, be the ones to start exploring the possibilities of quantum sensors?

**Here is a challenge for everyone:
Who will grab this opportunity?**

