

# BADEN-WÜRTTEMBERG – Home to the pacemakers of the quantum revolution.

## GERMANY'S TOP LOCATION FOR QUANTUM TECHNOLOGIES

Baden-Württemberg (BW) has become established as a leading location for innovation in the field of quantum technologies. Alongside a diverse and excellent research environment at universities and research institutions, THE LÄND boasts global players like Robert Bosch or Carl Zeiss as well as highly innovative high-tech startups such as the Trumpf subsidiary Q.ANT that play a leading development role in the fields of quantum computing and quantum sensors. In addition, it was in the Stuttgart Region that the first commercially used quantum computer, IBM Quantum System One,

was introduced in 2021. The federal state government launched its own quantum strategy in 2023, featuring an innovation campaign around this key technology that will have a lasting impact on sectors such as health, mobility and climate protection. With its strong network Quantum BW combining all of the stakeholders at the location as well as its successful projects, the German South-west is highlighting its prime position in this field of technology and its ambition to help shape the quantum revolution.



**EUROPE'S FIRST  
QUANTUM DATA CENTER**  
by IBM will facilitate access to  
cloud-based quantum computing  
in the Stuttgart Region from 2024



**SYNERGIES**  
through high-performing  
computing centres, IPAI  
and Cyber Valley



**QSENS FUTURE CLUSTER  
STUTTGART/ULM**  
Development of initial quantum sensor  
applications relevant for industry

**ROUGHLY  
€115  
MILLION**  
in investment by the  
federal state since 2019



**QUANTUM  
SENSORS**  
Industrialised by  
companies and startups  
in THE LÄND



**2021  
EUROPE'S FIRST  
QUANTUM COMPUTER**  
by IBM and Fraunhofer

**HOME OF**  
Balluff, Bosch,  
Carl Zeiss, HQS  
Quantum Simu-  
lations, Q.ANT,  
Trumpf and many  
more

**FOCUS ON**  
quantum sensors,  
quantum computing  
and networks,  
quantum communication,  
quantum enabling  
technologies and much  
more

**ROUGHLY  
€480  
MILLION**

in third-party funding from  
the state and the EU

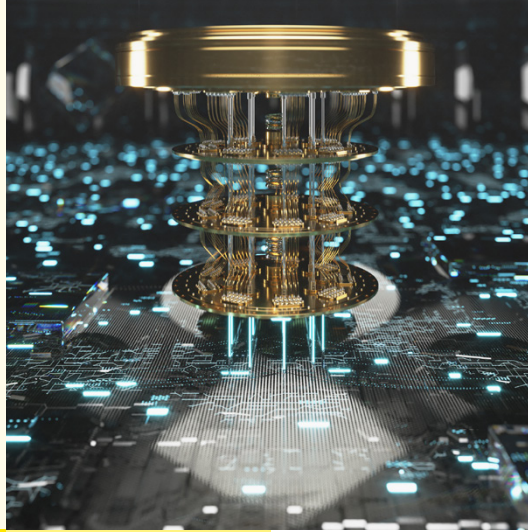


**Baden-Württemberg  
THE LÄND**



### EXCELLENCE IN EDUCATION AND RESEARCH

First-class universities and degrees in quantum sciences, e.g. in Freiburg, Stuttgart, Tübingen, Ulm, Heidelberg



2023  
PHOTONIC CHIPS AND PROCESSORS  
by Q.ANT



**USING KNOW-HOW**  
for and by other strong industries

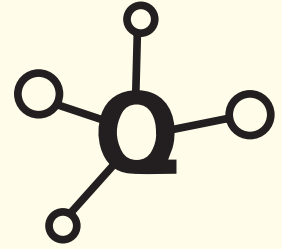
# IQST

## CENTER FOR INTEGRATED QUANTUM SCIENCE AND TECHNOLOGY

One of the world's first and leading quantum research centres



**GROUNDBREAKING RESEARCH**  
by renowned institutions, e.g. MPI, KIT, DLR, Fraunhofer IAF and many more



### QUANTUM BW

Statewide network for cooperation, R&D infrastructure, basic and further training



**HIGHLY QUALIFIED SKILLED STAFF**  
for quantum technologies get their basic and further training in BW



**INTENSIVE EXPERT FORUM**  
Photonics BW: Innovation network for optical and quantum technologies

### YOUR GATEWAY TO THE MARKETS OF THE EU



Find out more about quantum technologies in Baden-Württemberg (BW), the location and your opportunities to invest:  
[www.bw-invest.de/en/](http://www.bw-invest.de/en/)



**FRICTIONLESS KNOWLEDGE TRANSFER**  
Close collaboration between science and business



Baden-Württemberg International

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## WE ARE YOUR PARTNER on the path to success!

Baden-Württemberg International is the central point of contact for foreign investors in Baden-Württemberg (BW) and provides assistance to companies and research institutions that either wish to settle or expand their operations in the German Southwest. Talk to us!



We provide information about BW.



We find the right partner and locations for you.



We connect you with important players.



We support you in administrative procedures.