

HANNOVER MESSE 2024

# FUTURE HUB QUANTUM TECHNOLOGIES



Deutsche Messe

WORLD. LEADING. INDUSTRYSHOW.



Quantum Technologies

## **REASONS FOR YOUR PARTICIPATION**

### **MARKET OUTLOOK**

*Quantum technologies is a growth topic that will become more relevant in numerous industrial application areas in the short to medium term.*

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## **REASONS FOR YOUR PARTICIPATION**

**DIVERSE TECHNOLOGIES OFFER EXTENSIVE POSSIBILITIES FOR APPLICATION**

**Quantum  
Imaging**

**Quantum  
Communication**

**Quantum  
Sensor  
Technology**

**Quantum  
Computing**

**Quantum  
Algorithms  
for Machine  
Learning**

**Quantum  
Materials**

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## REASONS FOR YOUR PARTICIPATION

### GOALS

- *Rapid transfer of basic research to application*
- *Identify potential fields of use*
- *Create framework for utilization*
- *Actively shape technological leadership*

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## **REASONS FOR YOUR PARTICIPATION**

***HANNOVER MESSE OFFERS THE IDEAL SETTING***

***HANNOVER MESSE***

***Industry***

***Research &  
Education***

***Politics***

Quantum Technologies

## REASONS FOR YOUR PARTICIPATION

- The focus is on **APPLICATIONS FOR THE MANUFACTURING INDUSTRY**. The Quantum Technology exhibition does not focus on technological fundamentals, but instead on the **TRANSFER OF TECHNOLOGY TO THE INDUSTRY**.
- **FINISHED PRODUCTS** will be presented along with **DEVELOPMENT COOPERATIONS** that result in industrial products.
- A central location in **HALL 2** – together with **KEY PLAYERS** who have a strong presence in the field of research – ensures that quantum technologies are **VISIBLE** to all visitors at HANNOVER MESSE.
- The **TECH TRANSFER CONFERENCE STAGE** promotes discussion between science, industry and politics → Quantum technology is a **KEY TOPIC**; the Call for Papers offers exhibitors free participation opportunities.

# Quantum Technologies **TARGET GROUPS**

## 01 VISITORS

- "Research" ranks in TOP 5 visitor interest areas at HANNOVER MESSE 2023

1	<b>INDUSTRIE 4.0</b> 7.3% / 48,282 MENTIONS
2	<b>AUTOMATION &amp; SENSOR TECHNOLOGY</b> 6.3% / 41,682 MENTIONS
3	<b>AI &amp; MACHINE LEARNING</b> 5% / 32,964 MENTIONS
4	<b>ROBOTICS</b> 4.9% / 32,295 MENTIONS
5	<b>RESEARCH &amp; DEVELOPMENT</b> 4.8% / 31,905 MENTIONS

## 02 POLITICS

- HANNOVER MESSE features a high level of political participation that generates visibility in outside of technical circles.
- Large media presence

## 03 EXHIBITORS

*We help you meet the right people, because HANNOVER MESSE:*

- Facilitates dialogue between exhibitors
- Features matchmaking and networking events
- Promotes purchases of QT applications for industry

Quantum Technologies  
**TESTIMONIALS 2023**

“For me, HANNOVER MESSE is unique in the world. It is where innovation meets tradition and the future begins. Exactly the right place to present our innovations at Q.ANT in the field of quantum sensor technology and quantum computing to the global public.”



*Michael Förtsch  
CEO, Q.ANT GmbH*



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**TESTIMONIALS 2023**

“HANNOVER MESSE provides industrial access to innovations in the field of quantum technologies. At HM24, we would like to use this opportunity once again to create a long-term and profitable network between research and the established industry.”



*Naz Pourmalek  
Managing Director, QVLS e.V.*

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**OPTIMAL ENVIRONMENT**

MATERIAL RESEARCH

AUTONOMOUS DRIVING

ENGINEERING

RESEARCH & DEVELOPMENT

POWER GENERATION AND DISTRIBUTION

COMPUTING

OPTIMIZATION OF LOGISTICS PROCESSES

COMMUNICATION

SENSOR TECHNOLOGY

ARTIFICIAL INTELLIGENCE

IMAGING

DIGITALIZATION

ROBOTICS

CYBER SECURITY

LOGISTICS

MECHANICAL LEARNING

SUPPLY CHAINS

BATTERY RESEARCH / E-MOBILITY

MANUFACTURING PROCESSES



## **WHAT QUANTUM TECHNOLOGIES CAN DO FOR INDUSTRY**

### **MORE EFFICIENCY**

*Provide faster, more accurate solutions that optimize planning and control of production, e.g., to reduce shortages or optimize stock levels.*

### **MATERIAL DEVELOPMENT & ANALYSIS**

*Enable targeted R&D of new materials for lighter, more resistant and more efficient products.*

### **QUALITY CONTROL & INSPECTION**

*Ensure more precise measurements and inspections in production to improve product quality and reduce waste.*

Quantum Technologies  
**TOPICS**

# WHAT QUANTUM TECHNOLOGIES CAN DO FOR INDUSTRY

## SECURITY & ENCRYPTION

Protect trade secrets, intellectual property and sensitive data in the long term.

## NEW APPLICATION AREAS

Enable new manufacturing processes based on previously unattainable material and product parameters.

*Industrial companies already follow these topics closely and invest in their development in order to benefit from the diverse possibilities of quantum technologies at an early stage.*

# FUTURE HUB **PARTICIPATION FORMATS**

## **GROUP EXHIBIT**

- Central location in Hall 2
- Attractive price-performance ratio

## **TECH TRANSFER STAGE**

- Active participation in the stage program – presentations, talks, panel discussions, etc.
- Quantum technology is a key topic

## **GUIDED TOURS**

- NEW: Guided visitor tour “Industrial Applications in Quantum Technology”

## Quantum Technologies



## **NETWORKING**

- Networking evening
- Planned integration in Night of Innovations

## **COMMUNITY**

- Cooperation partners: QVLS, futurehain
- Additional cooperations in discussion

# WOULD YOU LIKE TO LEARN MORE?

TALK TO US!

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