

Global Research and Development Center for Business by Quantum-AI Technology

G-QuAT

- ▶ **Mission** : Building a global ecosystem in the quantum technologies.
- ▶ **Key Initiatives: Use Case Development & Ecosystem Building**
(Supply Chain & Business)

To Build a Global Quantum Business Ecosystem

- R&D for Large-scale quantum computing
- Use-case Creation
- Supply-chain Development
- Intellectual Property
- Standardization activities
- Cultivation of Quantum Talent



Strategies & Activities

To achieve the above goals, we are pursuing **a global strategy that aligns with the Japanese government's policies***, leverages Japan's strengths, and aims to collaborate with global stakeholders. Furthermore, we are advancing research and development through the following strategies and activities. *Quantum Future Industry Creation Strategy etc.

Platform to Support Business Creation	<ul style="list-style-type: none">■ Quantum-Classical Hybrid Computing Infrastructure(ABCI-Q)■ Evaluation testbed (Qubed)■ Quantum device Fab. (Qufab)	Support for Incubation & Collaboration	Providing opportunities for collaboration as a hub
Supply Chain Development	<p>Design Manufacturing Evaluation G-QuAT Qubed @ G-QuAT Requests QC: Vendor IP Licensed to Companies Companies Commercialize</p>	IP & Standardization	Key Role in ISO/IEC JTC-3 and Standardization & IP Protection of Peripheral Technologies
Strategic Intelligence Function	Intelligence on policy, industry trends, technology, IP ...	Competitive Environment	Offering infrastructure to users and vendors to drive market competition

We aim to **shape global markets, foster global startups, build quantum technology supply chains, promote industrialization, cultivate global talent, collaborate with global quantum leaders and establish a framework for economic security.**