

Qubed

Testbed for Components and Materials for Quantum Computer

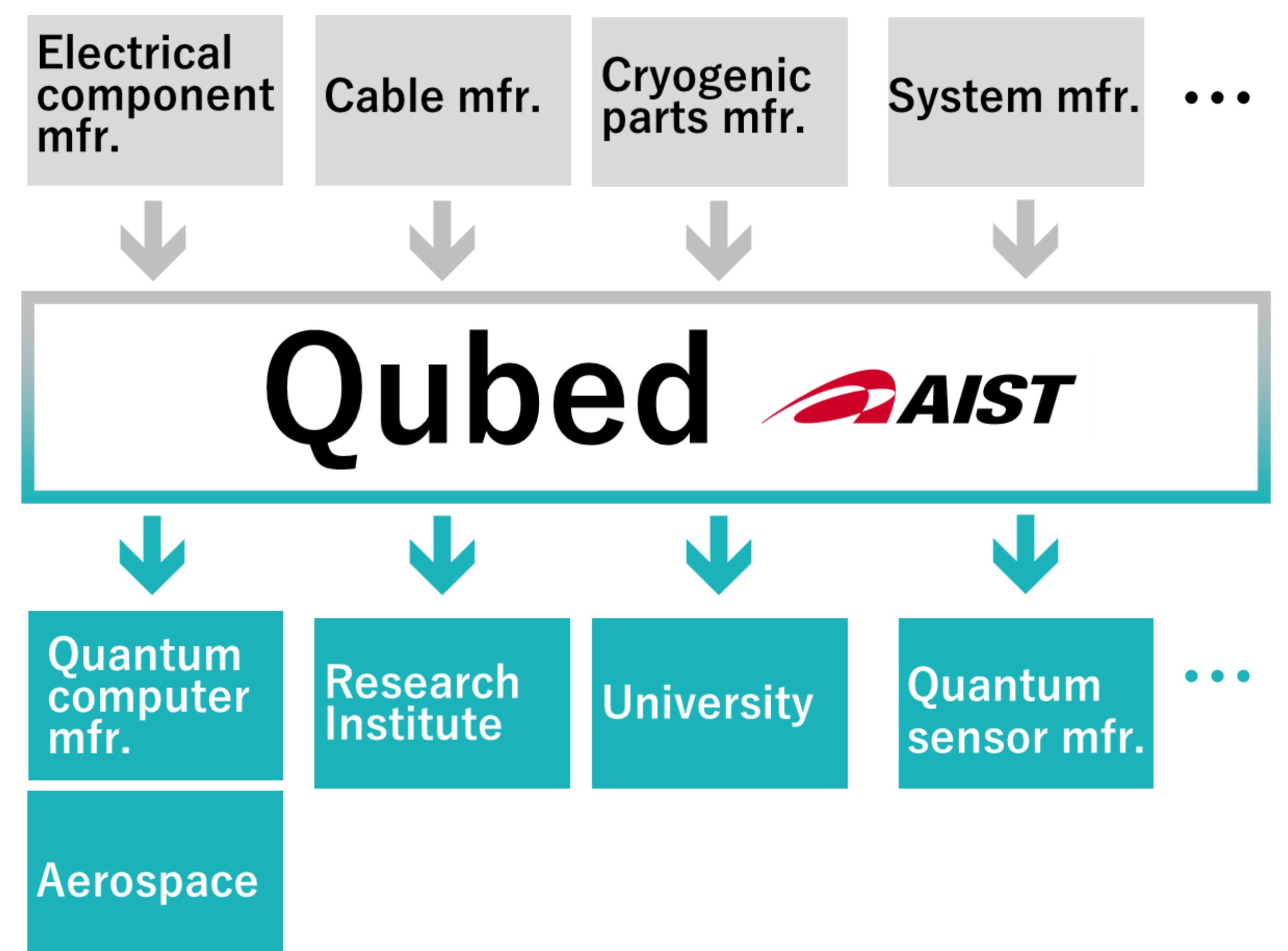
- **Evaluation environment for components and materials** for quantum computers.
- A platform for **evaluating high-frequency, cryogenic, thermal, & optical properties**.
- **Clarifying evaluation standards** for quantum components & materials to support the establishment of a supply chain.

Evaluation Service

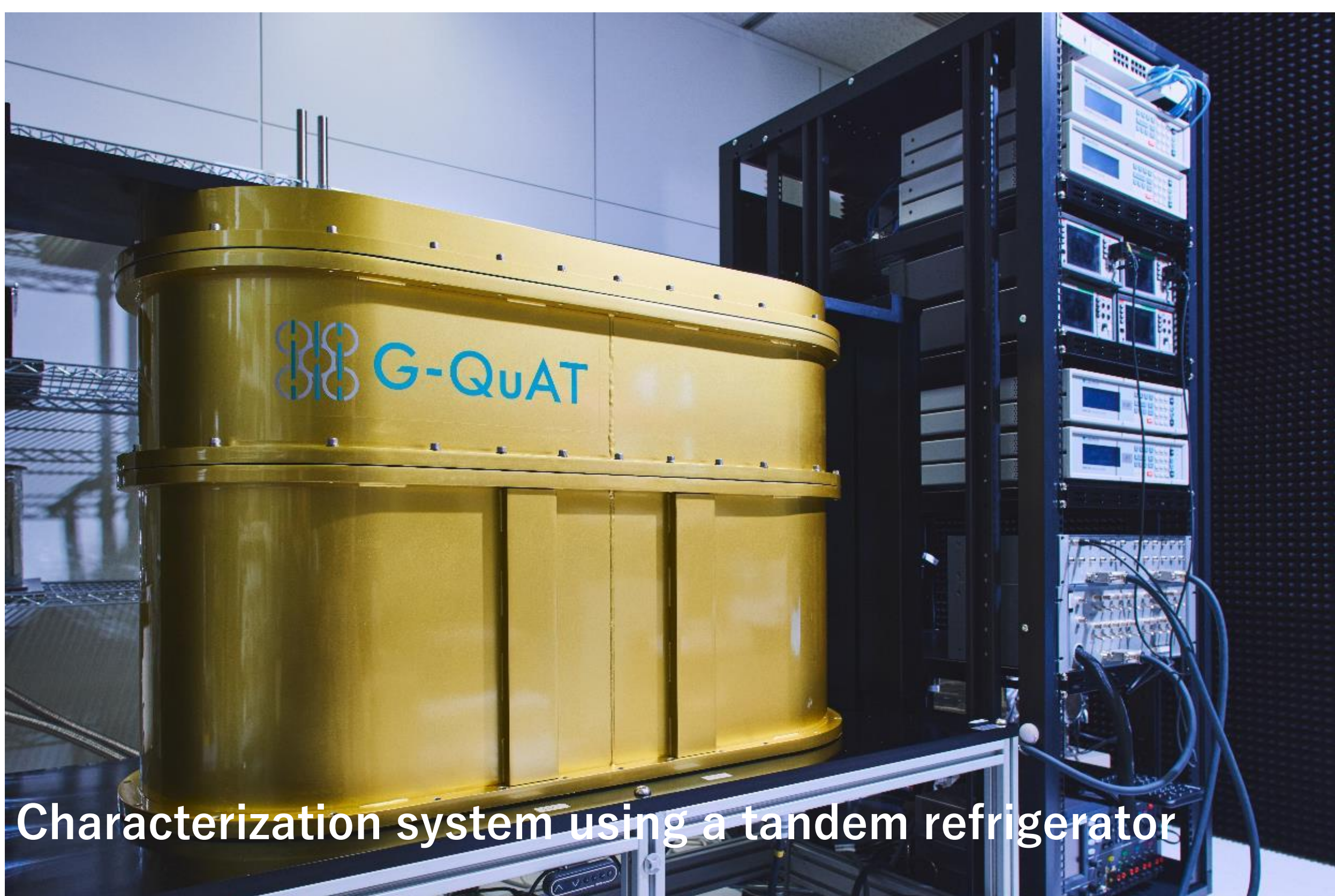
Large-scale quantum computers require **high-performance components**.

The Qubed provides an evaluation platform & supports supply chain development.

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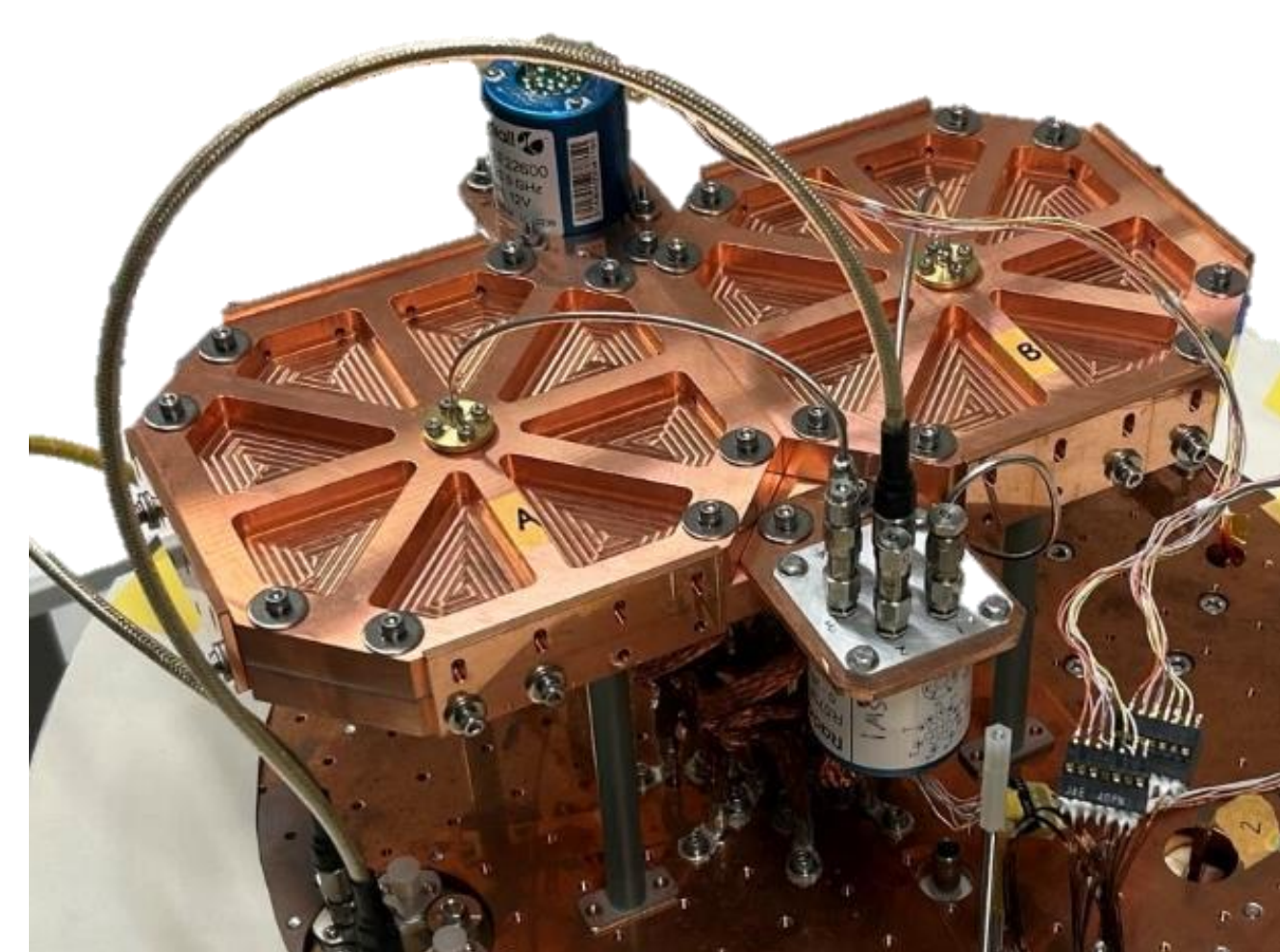
Evaluation of High-Frequency Components



- Emulation of quantum environments using a tandem refrigerator
- Calibrated microwave measurements (4–300 K) using a high-frequency switch system
- S-parameter & time-domain analysis up to 26.5 GHz
- Simultaneous measurement of multiple components (up to 8 ports)

Other Measurement Solutions

- Cryogenic characterization of dielectric & metallic materials
- Cryogenic evaluation of magnetic & thermal properties
- Proprietary evaluation methods for quantum devices



Resonator for high-frequency material parameter evaluation

