TreQ

Education Explorer™

Built for Educators

The Education Explorer™ is purpose-built training infrastructure that gives students direct access to superconducting quantum hardware.

This system brings open-architecture quantum into the classroom, enabling educators to deliver practical quantum engineering programs that tap into a broad innovation ecosystem.

Features include low-level access to superconducting resonators; isolated qubits; and fixed coupler and tunable coupler two-qubit gates, allowing students to work with the core building blocks of superconducting systems.

Students gain experience building and characterizing quantum hardware, operating cryogenic systems, and designing, running, and analysing pulse-level calibrations and benchmarks.

Turnkey Solution

So you stay focused on students.

- ☑ Design
- ☑ Build
- ☑ Install
- ☑ Certify

Global Delivery

Delivered where you need it.

- ☑ Europe
- ☑ Americas
- ☑ Asia-Pacific
- ☑ Middle East + Africa

Capital Efficient

Stretch your investment.

- ☑ Modular
- ☑ Scalable
- ☑ Extensible
- ☑ Upgradable

Education Explorer™ includes:

- Education-focused QPU architecture
- Scalable cryogenic platform
- Industry-leading quantum control hardware
- Robust and accessible software infrastructure
- Curriculum development and delivery support
- Full system ownership with upgrade paths as your program evolves

TreQ Compass™ Product Line

Systems starting at $1.25M

Compass systems are available in multiple configurations designed to support research, education, and advanced quantum development programs.

- Open-Architecture Innovation Station
  For deep-stack researchers

- Education Explorer
  For educators at schools & vocational ed

- Integration Pilot
  For HPC & data centers

- Error Correction Accelerator
  For error correction researchers

- nCompass Sandbox
  For shared infrastructure facilities

- Algorithm Engine
  For application developers

Learn More

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