



FIVE CENTERS. ONE NATIONAL QUANTUM ECOSYSTEM.

We welcome new industrial partnerships.

The U.S. Department of Energy's five National Quantum Information Science Research Centers are **actively co-developing quantum technologies with industry** across the full stack, from materials and devices to controls, software, and applications.

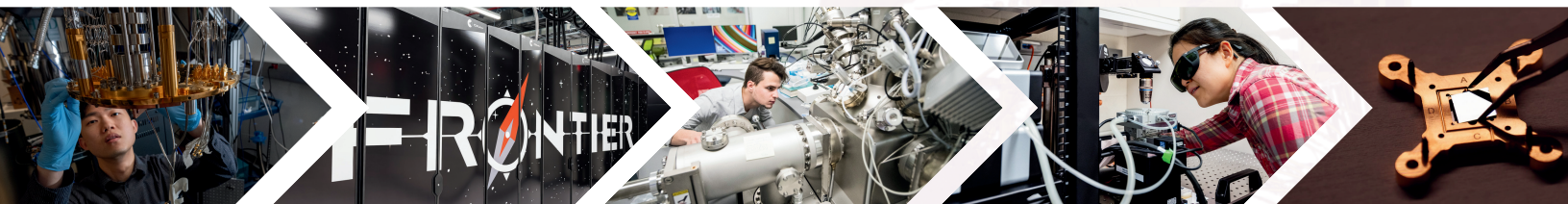
With \$625M in renewed DOE investment and more than 20 industry partners already engaged, the centers have developed a productive model for technically specific industry partnerships that are actively producing results.

Led by DOE National Laboratories and connected to universities, companies and research institutions across the country, **the centers give industry partners a way to work directly with the technical frontiers shaping quantum computing, communication, sensing and networking.**

These partnerships offer more than visibility into emerging research. They provide an opportunity to help **define what scalable quantum technology will require**, test ideas in collaboration with leading experts, connect with future workforce pipelines and contribute to the ecosystem that will support next-generation quantum capabilities.

CENTER	LEAD LAB	INDUSTRY RELEVANT
 C2QA Co-design Center for Quantum Advantage	 Brookhaven National Laboratory	Quantum materials, devices, software, superconducting and diamond-based systems
 Q-NEXT NEXT GENERATION QUANTUM SCIENCE AND ENGINEERING	 Argonne NATIONAL LABORATORY	Quantum networks, foundries, materials, sensors and secure communication
 QUANTUM SYSTEMS ACCELERATOR Catalyzing the Quantum Ecosystem	 BERKELEY LAB	Large-scale quantum computing, co-design, controls and multiple hardware platforms
 QUANTUM SCIENCE CENTER	 OAK RIDGE National Laboratory	Quantum-HPC integration, hybrid workflows, architectures and applications
 SQMS SUPERCONDUCTING QUANTUM MATERIALS & SYSTEMS CENTER	 Fermilab	Superconducting systems, cryogenics, qudits, testbeds and scaling infrastructure

- \$625M renewed DOE investment
- 5 national research centers
- More than 100 partners from national labs, universities and industry



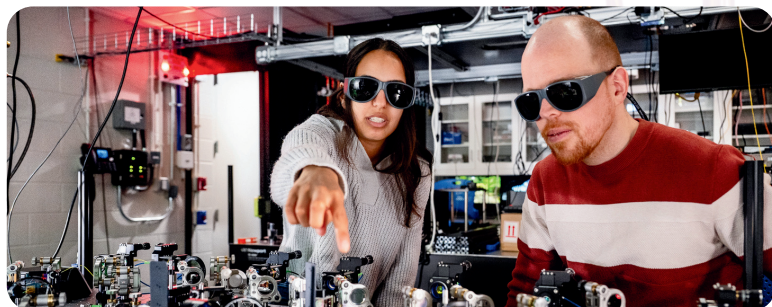


A NATIONAL PARTNERSHIP MODEL

The DOE quantum centers are not five isolated efforts. **They are a connected national ecosystem**, each with a distinct technical focus and a shared goal: advancing the science and technology needed for future quantum systems.

Industry partnerships help ensure that this work is connected to real-world challenges from the beginning. They help the centers think beyond discovery alone and toward the systems, tools, infrastructure and workforce needed to turn discovery into capability.

By bringing together National Laboratories, universities and companies, the five centers are helping build the foundation for a stronger U.S. quantum ecosystem and the next generation of quantum technologies.



INDUSTRY + THE NQISRCs



Build scalable systems

Hardware, controls, cryogenics, integration, packaging and manufacturing



Advance materials and devices

Fabrication, characterization, superconducting devices, diamond systems, ion/atom platforms and enabling components



Shape applications and workflows

Quantum algorithms, hybrid quantum-HPC, scientific applications, sensing and communication use cases, AI-assisted characterization and workflow optimization



Develop the future workforce

Student engagement, internships, joint research, training and exposure to real-world technology needs

ACCESS TO SPECIALIZED CAPABILITIES

Across the centers, partners have access to unique facilities and capabilities that include quantum foundries, materials characterization, quantum processors and sensors, advanced control systems, ultralow-temperature cryogenics, component testing, and quantum-HPC resources.

NQISRC INDUSTRY PARTNERS



PARTNER WITH US

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