



NEW MEXICO
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Roadrunner Quantum Lab opens in Albuquerque

New facility gives the state's growing quantum ecosystem access to advanced infrastructure

ALBUQUERQUE — Roadrunner Venture Studios and the New Mexico Technology and Innovation Office (TIO) today cut the ribbon on the Roadrunner Quantum Lab, powered by the State of New Mexico, a shared facility giving quantum startups access to advanced infrastructure, equipment and hands-on training.

Situated in Albuquerque's Innovation District, the facility gives quantum startups, industry partners and national laboratories a common space to test, develop and bring quantum technologies to market. The new facility includes a multi-node quantum network, dilution refrigerators, a quantum testbed, quantum demonstration facilities and lab space tailor-made for quantum information science. Paired with New Mexico's national lab network and quantum-ready workforce, Roadrunner Quantum Lab gives resident companies a national launchpad. Nearly a dozen partners from public, private and academic sectors have signed on as tenants.

The lab's opening is the latest step in a partnership that began just over a year ago, when the State of New Mexico selected Roadrunner Venture Studios and its coalition partners to establish and operate a quantum venture studio and dedicated quantum facility backed by \$25 million in state support. Since then, the effort has grown to include a dedicated Company and Founder-in-Residence program, a capital network for New Mexico-based quantum startups, a quantum demonstration facility joint venture between Sandia and Los Alamos National Laboratories, and a \$4 million strategic partnership with QuEra Computing to build out testbed infrastructure at the Roadrunner Quantum Lab.

"The Roadrunner Quantum Lab cements New Mexico's place at the forefront of quantum research in America," said **Governor Michelle Lujan Grisham**. "It's paying off in high-paying jobs and meaningful opportunities for New Mexicans to lead at the cutting edge of quantum technology."

"The Roadrunner Quantum Lab is the infrastructure quantum founders have been asking for," said **Adam Hammer**, CEO and co-founder of Roadrunner Venture Studios. "Instead of shipping hardware across the country to validate a single component, companies can now do it here in New Mexico surrounded by the best national lab scientists in the world, their startup peers, and the capital to scale. That's the difference between a state that funds quantum research and a state that builds quantum companies. We think it's why New Mexico leads the country in frontier technology."

"New Mexico is literally building the room where the future of quantum will happen," said **Economic Development New Mexico Secretary Rob Black**. "The Roadrunner Quantum Lab gives quantum startups access to the tools they need to transform breakthrough research into companies, products and high-skill jobs here in New Mexico."

"A year ago, we set out to prove that New Mexico could turn decades of research strength into companies and jobs for New Mexicans," said **TIO Director Nora Meyers Sackett**. "Today that promise has walls, equipment, and startups walking through the door. This is what we mean when we say, 'next starts here.'"

The initial tenants at the RQL include:

- **Diraq:** Diraq is developing utility-scale quantum computers with qubits built by modifying silicon transistors, the building blocks of modern computer chips.
- **IonQ:** IonQ, Inc. is the world's leading quantum platform and foundry - delivering integrated quantum solutions across computing, networking, sensing, and security.
- **QBoltz:** Founded by three PhDs who hold more than 60 patents and have built photonic and semiconductor products at Meta, Google, Qualcomm, and Teledyne, QBoltz is working toward a world where machines think with photons.
- **Mesa Quantum:** Mesa Quantum leverages deep experience from Sandia and NIST to build chip-scale quantum sensors designed for scalable, volume manufacturing.

- **Elevate Quantum:** Elevate Quantum builds and operates shared infrastructure, fabrication, advanced packaging, and testing capabilities, workforce programs, and ecosystem initiatives designed to help quantum technologies move faster from the lab into commercial deployment.
- **Sandia National Laboratories:** With Los Alamos, Sandia will help stand up and operate the Quantum Demonstration Facility on site, providing access to their world-leading quantum expertise for resident companies. Company access to Sandia and LANL scientists, engineers, and unique capabilities will run through cooperative research agreements.
- **Los Alamos National Laboratory:** Los Alamos National Laboratory will serve as a founding research partner at the Roadrunner Quantum Lab, contributing decades of quantum expertise to support resident startups. Alongside Sandia National Laboratories, Los Alamos will help organize the Quantum Demonstration Facility.
- **Quantum Machines:** Quantum Machines is the leading global provider of hybrid quantum-classical control solutions. Its Hybrid Control approach harmonizes quantum and classical operations across software and hardware, helping teams iterate faster and resolve setbacks.
- **QuEra Computing:** As the scientific and commercial leader in neutral-atom quantum computing, QuEra helps enterprise innovators leverage quantum to gain competitive advantage, support HPC centers as their users tackle classically intractable problems and enable government programs to build national and sovereign capabilities.
- **Photon Queue:** Photon Queue is the world's leading developer of free-space quantum memory devices, building high-performance quantum memories that store photons using linear optics at room temperature — delivering ultra-high efficiency and world-leading bandwidth with no cryogenics, vacuum systems or complex transduction required.
- **Conductor Quantum:** Conductor Quantum builds the infrastructure to put quantum computers online.
- **Noblespace:** Real estate partner that converted 35,000 square feet in Albuquerque's Innovation District into the RQL facility.

The Roadrunner Quantum Lab builds on New Mexico's broader strategy to create world-leading quantum ecosystem spanning research, workforce development, infrastructure and commercialization. To this end, the state has invested more than \$450 million, and, paired with the state's partnership with the Defense Advanced Research Projects Agency (DARPA), its network of national laboratories, and a growing base of private-sector innovators and universities, New Mexico is one of the country's fastest-growing quantum hubs, earning national recognition along the way.

To find out more about the Roadrunner Quantum Lab and its tenants, visit its website at roadrunnerquantumlab.com.

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