



Building Colorado's Quantum Economy

WENDY LEA, EQ BOARD DIRECTOR, COFOUNDER OF TECHHUBNOW!

DECEMBER 9, 2024

Agenda

1. Quantum

2. The Elevate Quantum Ecosystem

Quantum Computers
will transform the way we use
computers by massively
accelerating certain
computations and, more
importantly, by enabling a wholly
new form of computing.

Source: The Quantum Leap



Materials



Aerospace

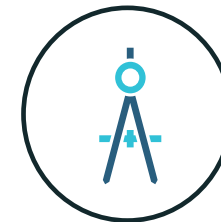


Climate/
Energy

...and generate

\$3.5T

in yearly economic
value



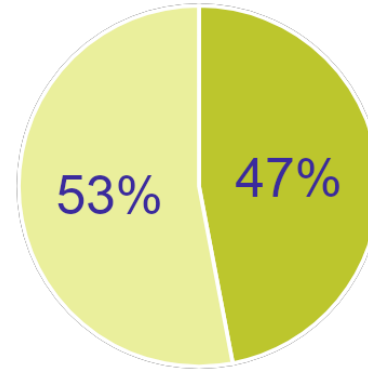
Engineering



Biotech

Source:
<https://www.bcg.com/publications/2023/enterprise-grade-quantum-computing-almost-ready>

Quantum Workforce



Today, half of quantum jobs
don't require advanced degrees
(closer to 80% for enabling hardware)

Share of technician jobs
expected to double in 5 yrs

2x

\$

The average quantum
job pays >\$125,000/yr

Segmenting Quantum Information Technology

**Enabling
Technologies**

Sensors

**Networking &
Communication**

Computers

**Algorithms &
Applications**

EQ's major milestones... and we're just getting started

April 2023

Official Elevate Quantum Kick Off

July 2023

Won Phase 1 EDA Tech Hub designation (400 applications received; 31 selected)

February 2024

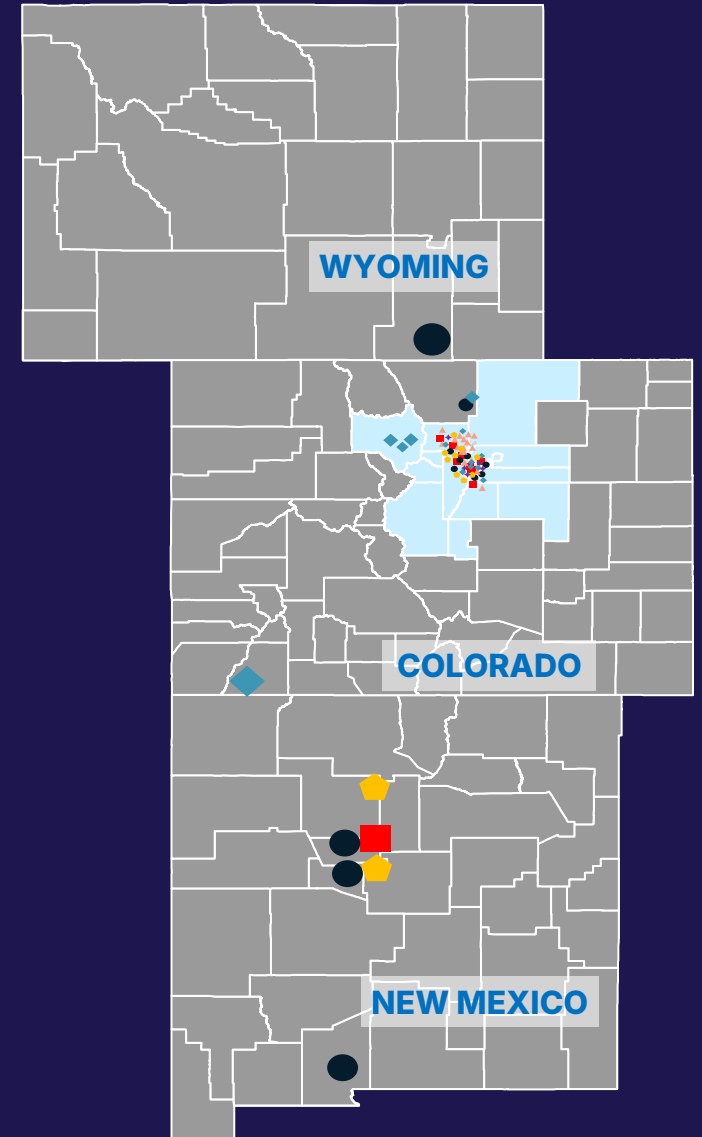
Launched pursuit of Phase 2

July 2024

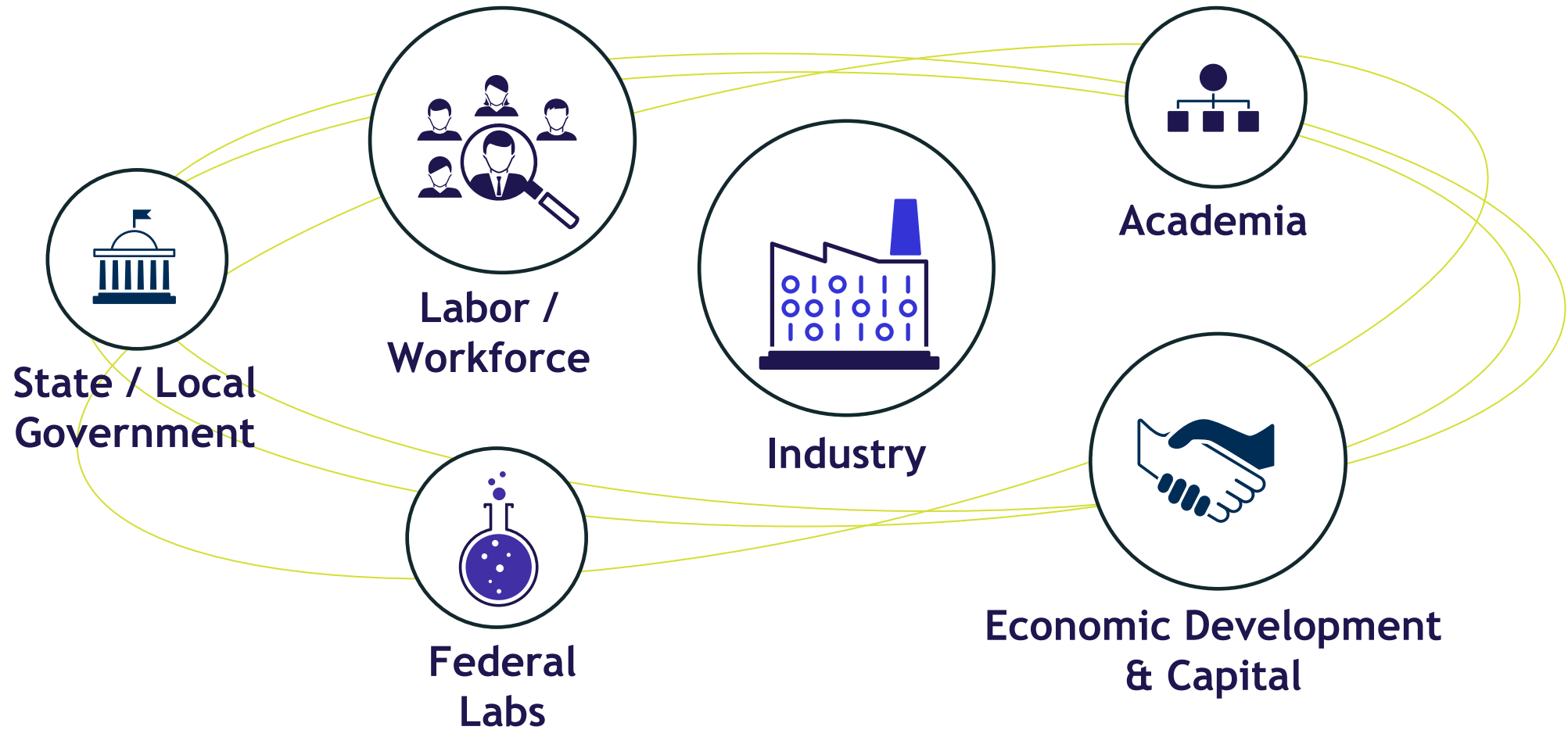
Awarded Phase 2 Funding - \$40.5M from the EDA, unlocking \$80M in State commitments and \$1B from private capital & industry collaborations



Elevate Quantum is radically accelerating the pace of innovation and commercialization of the quantum industry in the Mountain West to cement US economic and national security for a safe, thriving, and free world.



Elevate Quantum is powered by 100+ Ecosystem Partners



We are building a diverse and equitable economy

50

New Quantum
Startups

10k

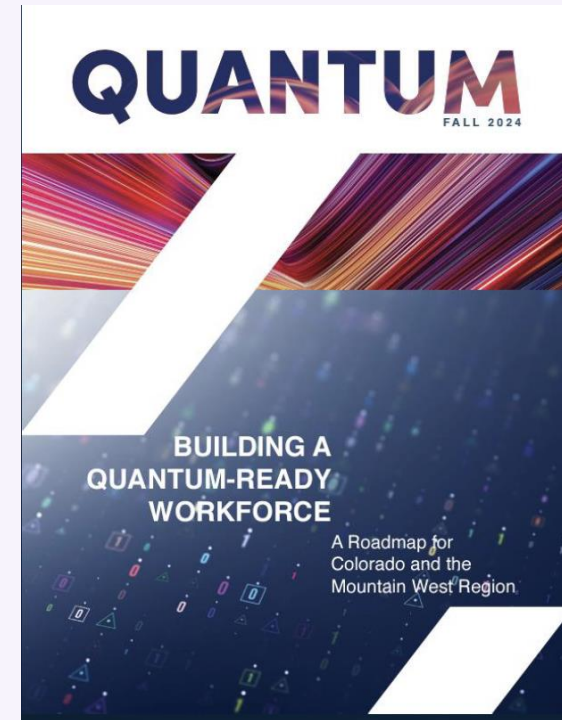
New Quantum
Jobs

30k

workers trained
in quantum tech

\$2B

in quantum startup
funding



...by 2034

How to get involved

In 10 years, the Mountain West region will be home to major quantum startups and companies that will have major societal impacts across industries like biosciences and human health, aerospace, climate and sustainability, and national security.

Do the following

1. Get smarter on quantum!
2. Subscribe to Elevate Quantum's newsletter: elevatequantum.org
3. Follow us on LinkedIn @Elevate-Quantum

Resources

1. The Quantum Insider
2. The Quantum Leap by Russ Fein
3. Quantum's Business by Brian Lenahan
4. CUbit Quantum Initiative



Thank you

WENDY LEA

BOARD DIRECTOR, ELEVATE QUANTUM

PARTNER + CO-FOUNDER, TECHHUBNOW!

CHAIR + CO-FOUNDER, ENERGIZE COLORADO

WENDY@WENDYLEA.COM