



Quantum City **Report to Community** **A year in review 2024-25**

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**Quantum
City**



**UNIVERSITY OF
CALGARY**

A Message from Quantum City Leadership



BARRY SANDERS

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Scientific Director, Quantum City

This year reaffirmed the vital role of science in shaping Quantum City as a global hub for quantum solutions. Grounded in research and driven by evidence, our work accelerates discovery, builds capacity across Alberta's quantum ecosystem and delivers real technological progress. Through collaboration, we are turning complex industry challenges into opportunities for innovation, developing technologies rooted in scientific excellence and purpose.

In Alberta, we are building more than a centre of innovation. We are creating the foundations of a new quantum economy, where world-class research, industry expertise, and entrepreneurial vision intersect to shape the technologies of tomorrow. Together, we are cultivating an ecosystem defined by curiosity, integrity, and impact, helping to shape the future of the global quantum landscape.



MEGAN LEE

PhD MBA
Managing Director, Quantum City

As we reflect on a milestone year for Quantum City, we are proud to see our vision take shape: establishing Calgary as a global hub for quantum solutions.

In alignment with the International Year of Quantum Science and Technology, we have advanced our mission to capture the benefit of quantum technology by creating adoption pathways — from energy and health to finance. Together with partners around the world, we are the place where quantum technology becomes quantum solutions.

Thank you for being part of this journey.
The future is quantum and it's being built here.



About Quantum City

Quantum City is building an ecosystem for quantum science and technology in Alberta, bringing together researchers, developers and adopters of quantum technology and services.

Quantum City is establishing quantum technology enabling infrastructure, creating a pipeline for talent and experts and narrowing the gap between quantum technology and solutions to support the development of a vibrant economic and scientific hub based in Calgary.

These combined assets will create a unique and once-in-a-generation opportunity to position Alberta as a national and international jurisdiction in the new quantum economy.



INTERNATIONAL YEAR OF
Quantum Science
and Technology

As a proud sponsor of the International Year of Quantum Science and Technology, the University of Calgary is supporting a range of initiatives to advance quantum awareness and engagement. Through this sponsorship, Quantum City is contributing to this monumental year with events and initiatives.



Quantum City's qHub has been vital to QuantaSense's growth as an early-stage startup. By providing visibility, legitimacy and a professional space to engage with investors, partners and the community, Quantum City is more than a workspace, it's a hub for collaboration and innovation and a pillar of Western Canada's quantum ecosystem. We're proud to be the first tenant and contributing to the community taking shape here.

Mayte Li-Gomez
Chief Operating Officer
QuantaSense



Three Foundational Pillars

Establishing quantum enabling infrastructure

1

Creating a pipeline for talent and experts

2

Narrowing the gap between quantum technology and solutions

3



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Quantum City was established through a strategic partnership between the University of Calgary, the Government of Alberta and Mphasis.

Quantum Enabling Infrastructure for Innovation

qHub

Quantum City is building momentum in developing quantum-enabling infrastructure that will drive innovation and collaboration across Alberta and beyond. A major milestone is the grand opening of qHub in March 2025, which welcomed over 100 attendees to celebrate the launch of a purpose-built space designed to accelerate quantum technology development. qHub offers collaborative workspaces for companies of all sizes, dedicated offices and touchdown areas for startups, creating an environment where industry, researchers and entrepreneurs can work side by side. What makes qHub especially unique is its direct connection to Quantum City's fabrication facility, qLab, enabling seamless integration between research, prototyping and commercialization within a single ecosystem.



“The research, technologies and companies that will grow from qHub have the potential to shape the future in profound ways. This is just the beginning, and I look forward to seeing the collaborations, discoveries and innovations that will take place here.”

Dr. William Ghali
*Vice-President (Research), UCalgary
at qHub Grand Opening*



qLab

Quantum City's qLab is a new network of cleanrooms and research facilities—qLab North and qLab South—built to advance quantum technologies. These state-of-the-art spaces fill a critical infrastructure gap in Alberta, reinforcing Canada's leadership in quantum and semiconductor innovation. In their highly controlled environments, researchers will be able to design and test ultra-small devices like sensors, chips and materials for use in communications, security, energy and healthcare. Critical equipment has been procured and qLab North is set to open in 2027. Together with the University of Alberta's nanoFAB, qLab provides open-access facilities that connect research to scalable fabrication, strengthening Alberta's advanced technology ecosystem.

Creating a Pipeline for Talent & Experts

Over the past year, Quantum City advanced its mission to build a strong talent pipeline and support experts driving quantum research, innovation and commercialization. Key initiatives included the Quantum City Consortia Award, which received 17 applications in 2025 and was supported by regional workshops in Edmonton and Lethbridge. The Quantum City Trainee Community (QCTC) grew to nearly 200 members, creating a hub for interdisciplinary collaboration. In parallel, five UCalgary interns gained hands-on experience through dedicated research and industry engagement programs.

To strengthen the ecosystem and provide platforms for experts to share knowledge, Quantum City partnered with IBM and Haiqu on a workshop, co-hosted the CMC Microsystems Superconducting Device Workshop and convened researchers for a transdisciplinary workshop on quantum computing for natural disaster prediction. Nationally, Quantum City played a leading role at Deep Tech Canada's Quantum Days through sponsorship, speaking and a curated networking event.

Quantum City also demonstrated thought leadership through outreach, participation and recognition at major forums, including a G7-adjacent event in June 2025, Quantum NOW in Montréal and the Quantum World Congress in Washington, D.C., as part of a delegation organized by Quantum Industry Canada. Together, these engagements reinforce Quantum City's commitment to supporting both emerging talent and established experts while building Alberta's role within Canada's quantum ecosystem and on the global stage.



In early 2025, Quantum City sponsored the Canadian Conference for Women in Physics (CCWIP), supporting initiatives that advance equity and inclusion in the scientific community. In May, the first Open House at qHub brought students, researchers, experts and industry partners together to learn about and collaborate on Quantum City programs. In June, Quantum City supported the IQuCode CREATE Hackathon, fostering quantum problem-solving among emerging talent and in August sponsored and spoke at the Quantum Horizons Alberta (QHA) Symposium, advancing collaboration and thought leadership to strengthen Canada's quantum ecosystem and the experts driving it.



Interning at Quantum City helped me connect the dots between academic research and real-world impact. Working directly with industry partners gave me the chance to explore how quantum technologies may solve complex, practical problems—an experience that has shaped my future direction.

Ayla Shahid

Professional Master of Quantum Computing graduate & former Quantum City intern



Bridging the Gap to Quantum Solutions

Quantum City unites researchers, creators, startups, industry leaders, government, end-users and ecosystem builders through diverse programs and initiatives.

Solutions Studio

Quantum City works with industry to turn emerging quantum technologies—still mostly in the research and development phase—into practical insights. Through the Solutions Studio, supported by Alberta Innovates, Quantum City helps organizations explore practical applications of quantum technologies, develop the skills to work with them, and drive innovation through collaborative programs such as the Global Challenge Series.



QAI Ventures Accelerator (Powered by Quantum City)

Launched in 2024, the QAI Ventures Accelerator (powered by Quantum City) supports early-stage quantum companies through mentorship, industry connections, and access to infrastructure. In October 2024, QAI Ventures hosted the GenQ Hackathon, engaging innovators to develop quantum solutions aligned with the UN Sustainable Development Goals. Its inaugural cohort welcomed five startups from around the world, with four graduating in June 2025. Since its launch, the accelerator has built international partnerships and attracted interest from more than 70 investors through events such as the Quantum Investor Event at Platform Calgary, Investor Day, and Demo Day in June 2025. Four startups have collectively received \$750,000 USD in investment from QAI Ventures, with one also securing \$1M CAD through the CMC FABrIC program. Applications for the second cohort opened in mid-2025.



What a blast and a wonderful experience! When we came into this program, we wanted to be prepared and feel ready for our next phase in our journey. I can say without a doubt that mission has been accomplished. Thanks for all of your hard work!

Jérôme Bourassa

CEO & Co-Founder, Qubic Technologies QAI Ventures Accelerator (powered by Quantum City) participant



Scientist-in-Residence Program

Launched in 2024, the Scientist-in-Residence (SiR) program provides tailored support to organizations exploring quantum use cases through workshops, discovery sessions, one-on-one advisory, and pilot project guidance, along with industry briefings and thought leadership. A feature of the program is the option to second a SiR directly to a company to address specific challenges. The program has engaged with partners including Decentralised Energy Canada (DEC), members of CyberAlberta and Avatar Innovations' cohort and alumni to advance quantum innovation.

Quantum City Membership Program

The launch of the Quantum City Membership Program in 2025 and the expansion of Solutions Studio offerings further advance Quantum City's vision of being the place where technology becomes quantum solutions.

qConnect 2024

qConnect 2024, the premier industry conference for quantum technology, brought together a diverse audience and featured expert speakers from Canada, the U.S., and beyond, showcasing global interest in Alberta's leadership in quantum innovation.



Quantum City by the Numbers

Over the past year, Quantum City has made significant strides in building a globally connected quantum ecosystem, accelerating commercialization, facilitating technology adoption and supporting the development of a strong talent pipeline. The following metrics highlight key accomplishments across infrastructure, partnerships, talent development and industry engagement.

\$28.4 M	earned media reach *	7	quantum ecosystem building events hosted at qHub
\$364 K	advertising value *	30+	delegations hosted to advance collaboration
239	qConnect 2024 summit attendees	5	companies supported by the QAI Ventures Accelerator (Powered by Quantum City)
31	qConnect 2024 summit expert speakers	100+	hours of mentorship through the 3-month QAI Ventures Accelerator (Powered by Quantum City)
5	countries represented at qConnect 2024 summit	90+	webinar participants with three new industry partners
19%	industry attendees at qConnect 2024 summit	50+	industry meetings at qHub
4,350+	LinkedIn followers	5	new commercial projects facilitated at qHub
46%	increase in LinkedIn yearly followers	7	tailored discovery sessions with industry

Thank you from Quantum City

* Past 12 months

Thank you to all our partners, collaborators and community members whose support and shared vision position Quantum City as a global hub for quantum solutions.



Quantum City

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