

Quantum Technology

WELCOME TO
QUANTUM VALLEY

Waterloo is leading the quantum revolution, with 20+ companies and 300+ researchers specializing in quantum cryptography, software, communication and consulting. Our complete theory-to-commercialization quantum ecosystem is supported by a unique collection of commercialization and investment organizations. This makes Waterloo a perfect place for companies investigating quantum technologies and building teams of quantum experts.

300+

Waterloo is home to 300+ quantum tech researchers

#5

Canada ranks top-5 globally in quantum research and tech

2

Waterloo has 2 of the world's largest quantum and theoretical physics research centres

NQS

Canada's National Quantum Strategy is led out of Waterloo



"What we have in Waterloo is probably the world's best concentration of expertise in terms of the people who are well-equipped to solve problems in the quantum computing field."

Joseph Emerson,
Head of Quantum Strategy,
Keysight Technologies

LEADERS IN
QUANTUM
TECHNOLOGY

softwareQ

evolution

KEYSIGHT

ISARA

QYnet

UQDevices

HIGHQ
TECHNOLOGIES

Open
Quantum
Design

Single
Quantum
Systems

Aegis
Quantum

Commercialize research in our quantum ecosystem

UNIVERSITY OF WATERLOO

42,000+ students, 100+ programs

Top-40 in the world in Mathematics

Top-30 in the world in Engineering and Technology

Home to Velocity, an incubator for growing tech companies

INSTITUTE FOR QUANTUM COMPUTING (IQC)

One of the world's largest quantum technology research institutes

40% of IQC researchers are involved in commercialization

Research areas: quantum computing, sensing and material

Home to Transformative Quantum Technologies (TQT), a collaborative research initiative that accelerates the development and deployment of quantum devices globally.

PERIMETER INSTITUTE

World's largest independent theoretical physics research hub

Trains next-generation physicists, from master's-level to PhD candidates and graduate fellows

Research areas: Condensed matter, mathematical physics, quantum fields and strings, quantum foundations, quantum gravity and quantum information

QUANTUM VALLEY INVESTMENTS (QVI)

QVI provides commercialization funding, expertise and support for researchers that develop new, cutting-edge technologies and applications in Quantum Information Science.

ACCELERATOR CENTRE

The Accelerator Centre offers a wide variety of programs and resources, including funding, world-class mentorship and programming to support quantum technology startups.

MIKE & OPHELIA LAZARIDIS QUANTUM-NANO CENTRE (QNC)

Located at the University of Waterloo, the QNC is a state-of-the-art research and development laboratory for quantum information science and nanotechnology, housing 50+ researchers and 100+ graduate students.

WATERLOO'S QUANTUM ECOSYSTEM

QVI: Quantum Valley Investments
AC: Accelerator Centre
IQC: Institute for Quantum Computing
PI: Perimeter Institute
VI: Velocity Incubator

