



QUÉBEC QUANTIQUE

Enabling the
Quebec Quantum
Ecosystem

\$200M

Close to \$200M over 8 years
by the Québec government
in investments to develop
the sector (2019 – 2027)

60+

companies
(including
enabling tech)

50+

players
(support
organisations,
institutions
and investors)

30,000

university students
enrolled in programs
related to quantum
technologies

Quebec has all the right ingredients

to launch and grow a quantum technology company

Québec Quantique's mission is to use quantum sciences and technologies as a lever for the economic and social development of Quebec and position the latter as one of the leaders in the field on the national and international scene.

Québec Quantique brings together the actors of the quantum ecosystem in Quebec in order to promote the adoption of quantum technologies by Quebec companies and organizations.

**QUANTUM TECHNOLOGIES
EVOLVING WITHIN
A FLOURISHING TECH
SECTOR**

230,000+

IT Professionals

10,000

companies in Quebec

Lowest operating costs

in North America for the 4 key sectors
of the IT industry

**PROJECTIONS
FOR QUEBEC
IN 2040**

\$27B in revenue

45,000 jobs

**A STRONG SUPPORT
FROM THE GOVERNMENT**
to develop quantum technologies

\$360M

from Canada to establish a national quantum strategy

\$133.4M

from Quebec in research infrastructures, including
\$38.4M in support of quantum, AI and LSHT

\$200M

BDC Capital's Deep Technology Fund

\$33.5M

by Canada to the Université de Sherbrooke
to accelerate the development of quantum
technologies (2015-2022)

\$600,000

by Quebec to INO to support industrial
research in quantum photonics

**GLOBAL LEADERS
ESTABLISHED
IN QUEBEC**



THALES



THORLABS



ERICSSON

TOSHIBA



**COMPANIES
DEVELOPING
CUTTING-EDGE
TECHNOLOGIES**

Communication



Ki3PHOTONICS
Technologies

TOSHIBA

Sensing and Imaging



SBO

Enabling tech

NANOACADEMIC
TECHNOLOGIES
Coherent Modeling

castor

nivju cameras
LeddarTech

Computing

|ANYON| **IQBit**
Computing with Manufactured Quanta™

IBM **PASQAL**

Nord
Quantique

WORLD-CLASS RESEARCHERS



Gilles Brassard
Université de Montréal

Foundations of quantum mechanics, quantum computing, cryptography



Alexandre Blais
Université de Sherbrooke and Institut quantique

Quantum computing, superconducting Qubits, quantum electrodynamics in circuit, quantum optics in circuit



Claude Crépeau
McGill University

Quantum computing, cryptography



Nicolas Godbout
Polytechnique Montréal and INTRIQ

Photonic devices and networks, nonlinear and quantum optics



Louis Taillefer
Université de Sherbrooke and Institut quantique

Quantum materials, superconductors



Lilian Childress
McGill University

Quantum optics, diamond NV center



Oussama Moutanabbir
Polytechnique Montréal

Quantum and nanoscopic semiconductors, condensed matter physics



Roberto Morandotti
INRS

Nonlinear and quantum optics, photonics

AN EXCEPTIONAL TALENT POOL

18

universities, **10 of which offer engineering programs**, with campuses spread across the province.

500,000

post-secondary students including **300,000** university students and **87,000** international students.

90,000

university graduates each year.

30,000

university students enrolled in programs related to quantum technologies.

1/3

of R&D jobs in Canada are in Quebec.

45%

of the population is bilingual (French and English).

DISCOVER THE VARIOUS CAREER, INTERNSHIP AND STUDY OPPORTUNITIES IN THE SECTOR IN QUEBEC



quebec-quantique.ca/en/job-board/



QUÉBEC
QUANTIQUE

MAPPING OF THE QUANTUM ECOSYSTEM PLAYERS IN QUEBEC

Access to funding

and several support organizations to create synergies and leverage for companies in the sector.

Players in financing and investments

Institutions, universities and research centers

Support organisations for companies in the sector

Infrastructures covering the entire value chain

World-class researchers

Consult the dynamic version :

quebec-quantique.ca/en/ecosystem/



Québec Quantique is a community of interest that wishes to catalyze and ensure concerted action among local players around innovative and structuring projects for Quebec and position the latter as one of the leaders in the field on the national and international scene.

→ info@quebec-quantique.ca

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