



XANADU

Juliette Peyronnet Dremiere - XANADU - EPIC Online Technology Meeting on Quantum computing platforms - 2022/02/07

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Welcome to Xanadu!

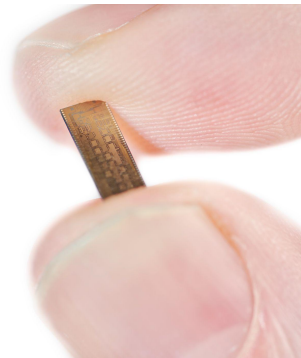
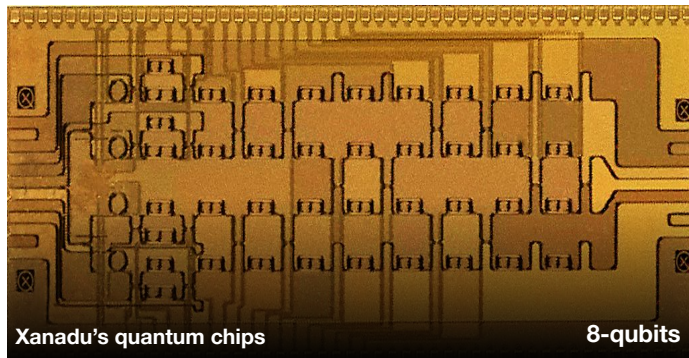
Founded in
2016

Headquarters & Lab in
Toronto

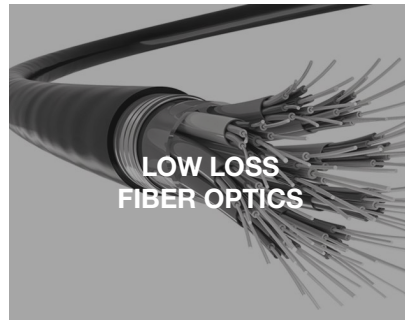
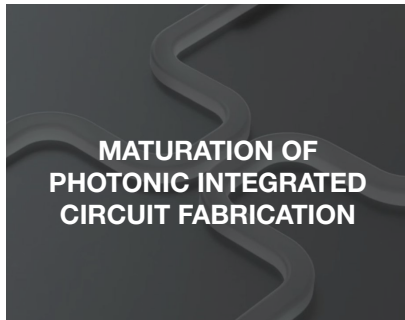
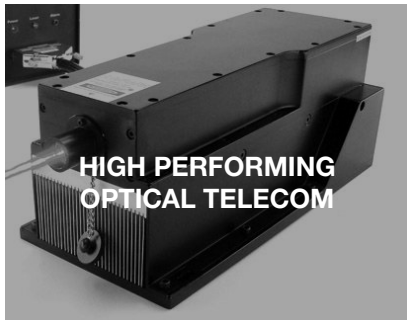
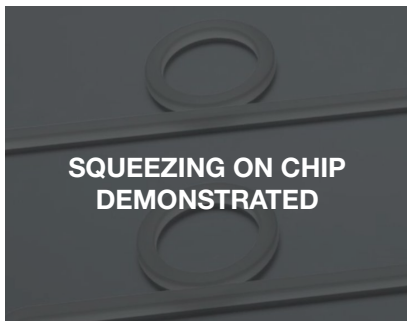
People
100+

Company mission

Building quantum computers that are **useful** and **available** to people everywhere.

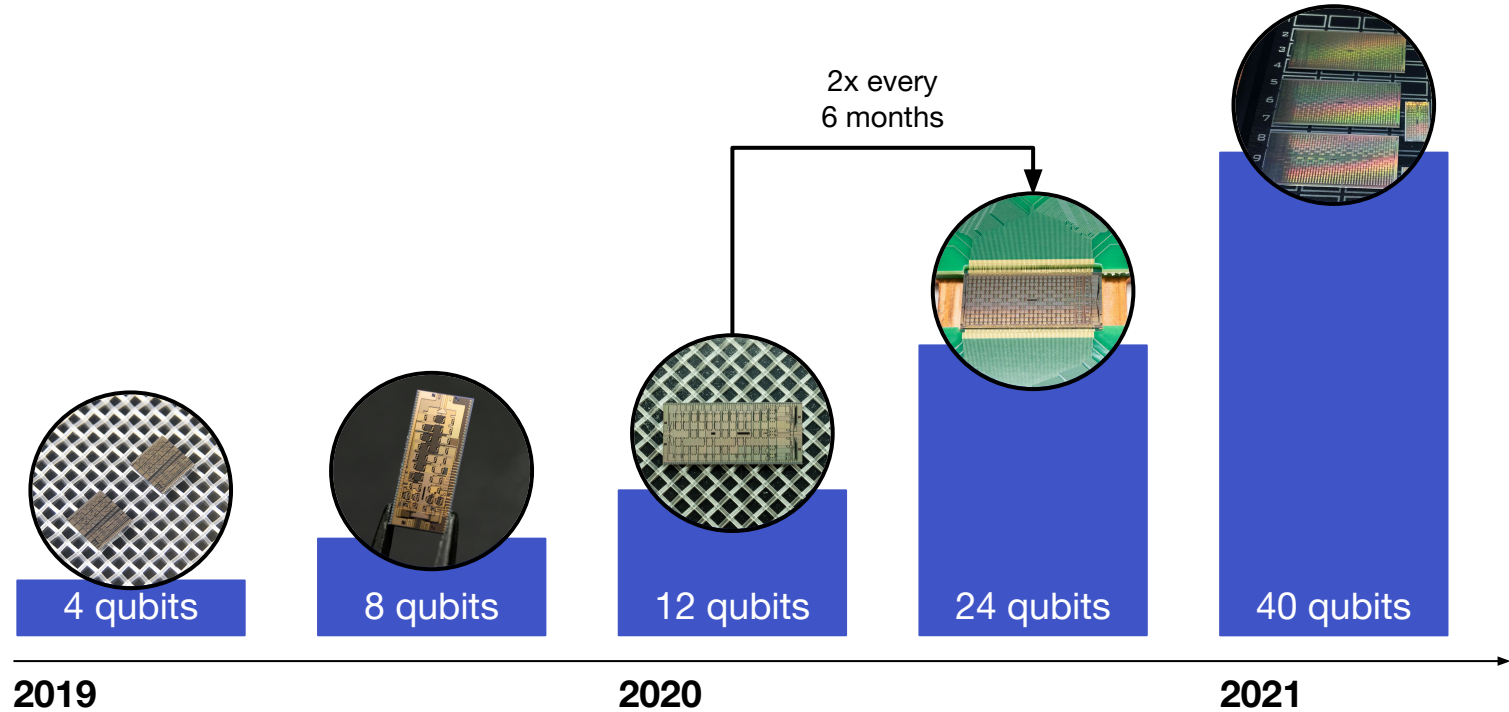


Xanadu and industry innovations



We are moving at light speed

Xanadu Quantum Cloud is a fully managed cloud service, offering direct access to Xanadu's photonic QPUs.



2019

2020

2021

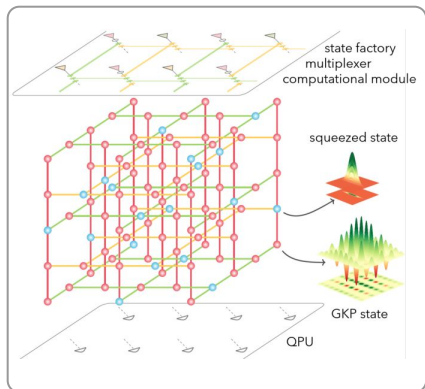
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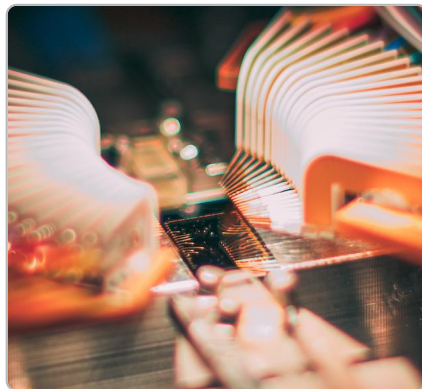
Benefits of photonic Quantum Computing

BLUEPRINT TO 1M QUBITS



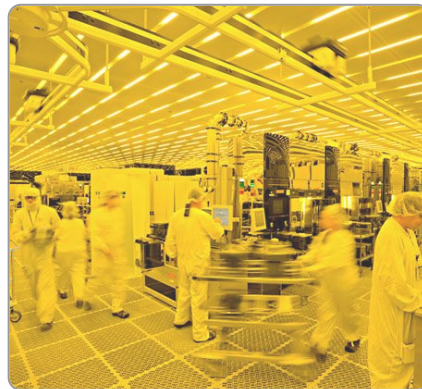
Scalability through modularity and optical networking.

FASTER DEVELOPMENT



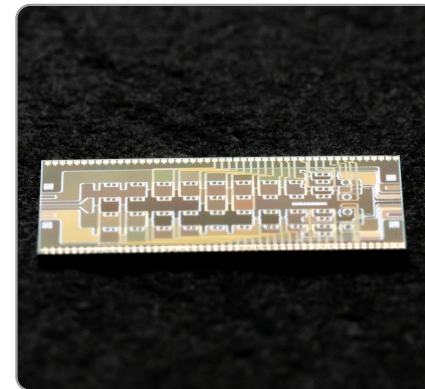
Faster to build and cheaper to operate due to room temperature computing.

MANUFACTURABLE



Made using silicon processes in leading foundries (CMOS).

1000X FASTER



We operate at MHz clock speeds vs kHz for others.



PennyLane, our open source library for Quantum Machine Learning

Train a quantum computer the same way as a neural network

KEY FEATURES

Learn and explore QML

Play with tutorials and our codebook

Code with our built-in functions

LARGEST ECOSYSTEM OF HARDWARE & SIMULATORS

Integrated Photonics



XANADU

Trapped Ions

Honeywell



Superconducting Qubits



rigetti

Quantum Simulators

Google



ProjectQ

CROSS-INDUSTRY

Material design



XANADU

Finance

agnostiq



Pharmaceutical

menten.AI

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Empower the community to perform QML

THIRD EDITION OF QHACK, OUR DEVELOPER CONFERENCE



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February 14 - 25

CONTRIBUTING ORGANIZATIONS





xanadu.ai