

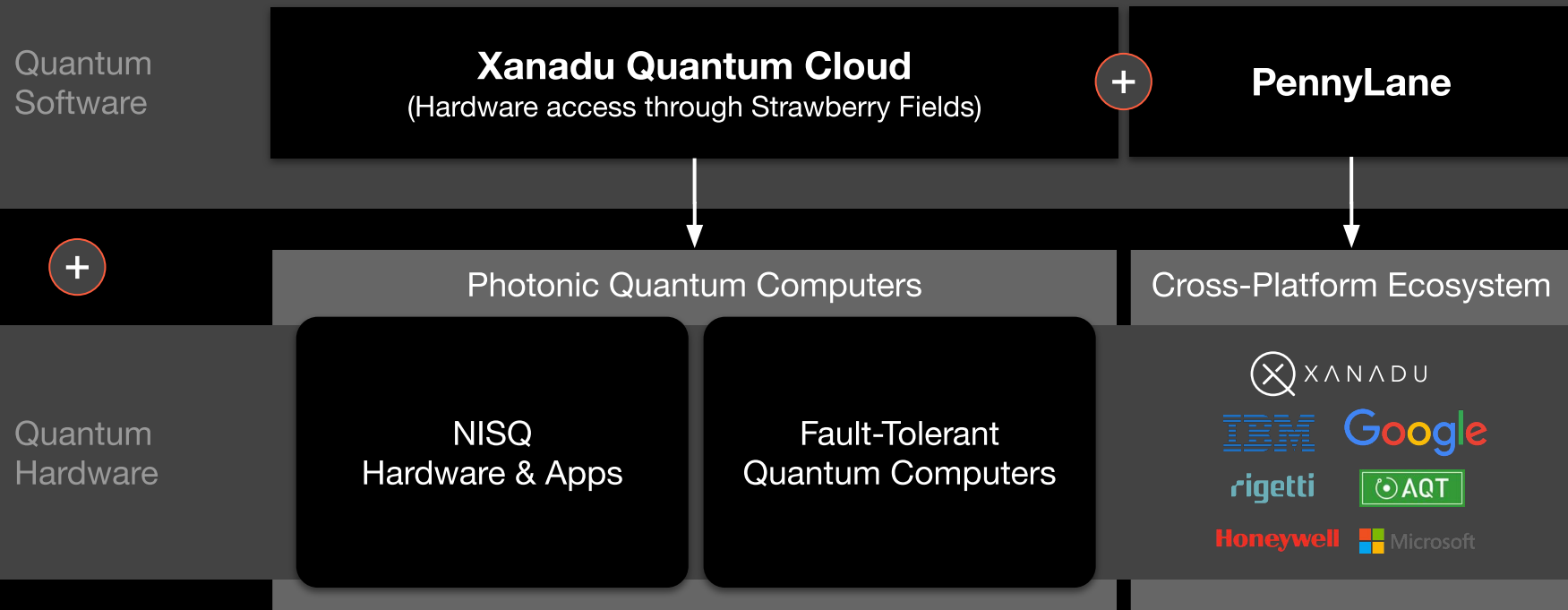


XANADU

Photonic Quantum Computing

Blair Morrison | blair@xanadu.ai | EPIC 2021

Xanadu is a **photonic** quantum computing company



Our products & mission

Xanadu Quantum Cloud

3

Cloud machines
online today

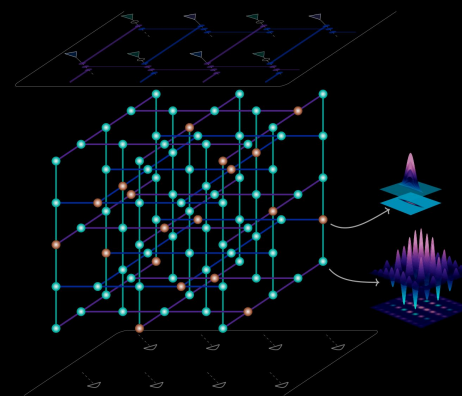
>1B

Shots completed
since launch

100+

Users
onboarded

Architecture for Fault-tolerant QC



Key technologies for scaling to fault tolerance

State synthesis

Low loss
nanophotonic
components

Low loss
chip-to-fiber
coupling

Low loss spatial
multiplexers

Entangling network

Low loss
nanophotonic
components

Low loss
chip-to-fiber
coupling

~ MHz low-loss
switches

Measurement & Error correction

High-QE
integrated
photodiodes

Pure-phase
modulators

Scalable driving
electronics

