**Highlights:**

- Our dual-mode 256-qubit machine, Aquila, is publicly accessible on Amazon Braket. As measured by the number of qubits, it is the largest publicly-accessible machine in the world.
- Dozens of organizations already use our quantum computer on a regular basis.
- We are on a path toward the “holy grail” of quantum computing: large-scale, error-corrected devices.
- We filed over a dozen foundational patents.
- We assembled a world-class team of nearly 50 scientists and engineers.
- $20M raised
- $15M in revenue since inception

**Key applications enabled by our quantum computer:**

**Machine Learning**
- Classification
- Regression and prediction
- Reservoir computing

**Optimization**
- Maximum independent set
- QUBO
- Graph coloring
- Maximum clique

**Simulation**
- Equilibrium quantum phases of matter
- Non-equilibrium quantum dynamics
- Quantum topological phase (spin liquids)

**Working with QuEra:**

**Solutions**
- World-class experts
- Unique algorithms
- An approach that overcomes many of the issues with gate-based machines

**Premium Access**
- Secure remote access to a machine
- Business service-level agreements
- Expert support
- Shared or dedicated machine time

**Machine Sales**
- Lease a QuEra computer
- On-site installation and support
- Perfect for integration with HPC centers
Our products:
Aquila: our 256-qubit machine on Amazon Braket

Quantum power
- 256 entangled neutral-atom qubits
- Coherence throughout the computation

Architecture
- Dual-mode: analog quantum mode today, universal gate-based mode later
- Field programmable qubit arrays

Bloqade: a high-performance testbed for neutral-atom algorithms:

Powerful and flexible
Native encoding of neutral-atom quantum features such as Rydberg-blockaded Hilbert spaces, flexible geometries, and continuous time control.

Exceptionally efficient

From design to neutral atom quantum execution
The best way to develop, deploy, and execute code on Amazon Braket.

Quantum computers are projected to revolutionize and disrupt many areas of business. If you want to get a head start on your competition and see what quantum can do for you, contact us today.