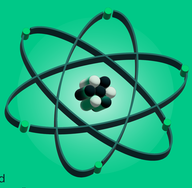
Pasqal

What makes Pasqal's quantum technology stand out?

› We are a global leader in neutral atoms quantum computing



37
Rb
Rubidium
85.4678

Neutral rubidium atoms act as qubits
› the quantum version of a bit

How?

Individual atoms are manipulated by lasers acting as "optical tweezers"

Key advantages › of the technology

Easily scalable

No major roadblocks near-term to scale the qubit count to 10,000 qubits and beyond, following our roadmap

High connectivity

Enabling extended connectivity between atoms required for certain quantum algorithms

Pasqal's milestones

Pasqal exceeds 1,000 atoms in a Quantum procesor

QPUs delivered and implemented

Several advanced algorithms already in use

Digital & analog quantum computing

Digital: executes algorithms through sequences of operations known as quantum gates

Analog: all qubits can be addressed simultaneously through a global evolution

Room temperature operation

The system operates at room temperature, significantly reducing power consumption

Uniformity and quality

Since we use atoms as qubits, they are naturally identical and free from any imperfections

Low energy footprint

Current consumption of a quantum computer:

600 kWh daily **= 1000 times** less than a leading supercomputer

Neutral atoms machines offer lowest consumption in total & per qubit

We make › scientific excellence accessible

Pasqal's technological advances are driven by

- A sustained commitment to research
- Our ambition to set new standards
- A fact-based, science-backed approach

From research › to industrial applications

Pasqal quantum computer available on the Cloud Helping businesses:

- Understand quantum fundamentals
- Experiment with processors
- Identify use cases

We say what we do & do what we say

Define quantum reality with us ›

Pasqal