

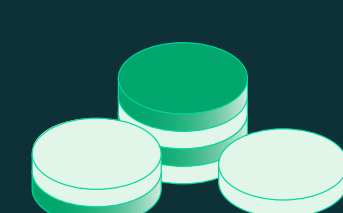


# > Quantum Reality

## Quantum investment is hitting record highs (2022)



**\$2.35 billion**  
Annual start-up investment  
Volume of raised investment

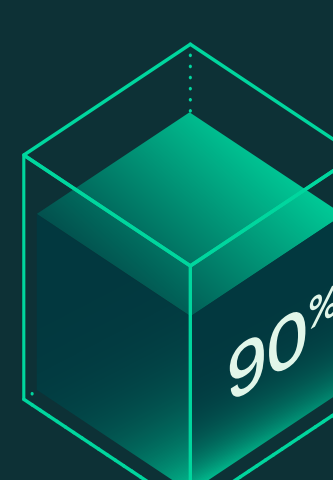


**US \$1.8 billion**  
**EU \$1.2 billion**  
Additional public commitments

## Quantum computers are already creating value

Market size in 2024  
**\$1.3 billion**

Quantum computers will solve certain problems exponentially faster



## Solving real-world challenges

**\$1.3 trillion**  
Gain of these industries in value by 2035

### Pharma & healthcare

- > More effective drug discovery
- > Optimised production & supply chain

### Banking & finance

- > More efficient portfolio optimisation
- > Faster risk analysis
- > Fraud detection
- > Automated credit scoring

### Transportation & mobility

- > Finding the optimal route
- > Determining valternative routes
- > Predicting traffic patterns
- > Assigning fastest pick-ups to taxi drivers

### Energy & utilities

- > Smarter grids
- > Better network design
- > More efficient batteries for electric cars
- > Smart charging for shared vehicles

## Gathering speed

Simulation

Optimisation

Machine learning

Quantum computers will solve certain problems exponentially faster

## When will these applications become available?

Near-term quantum advantage is within reach with Pasqal's neutral atoms quantum processors.

Algorithms in quantum materials graph machine learning & optimisation are moving towards production.

### For businesses, embracing quantum advantage means

1 year

Recruiting & teaming up with experts



Developing custom solutions



2 years

Adopting a long-term plan



\*Sources: Quantum Technology Monitor, McKinsey & Company, April 2023

Define quantum reality with us

