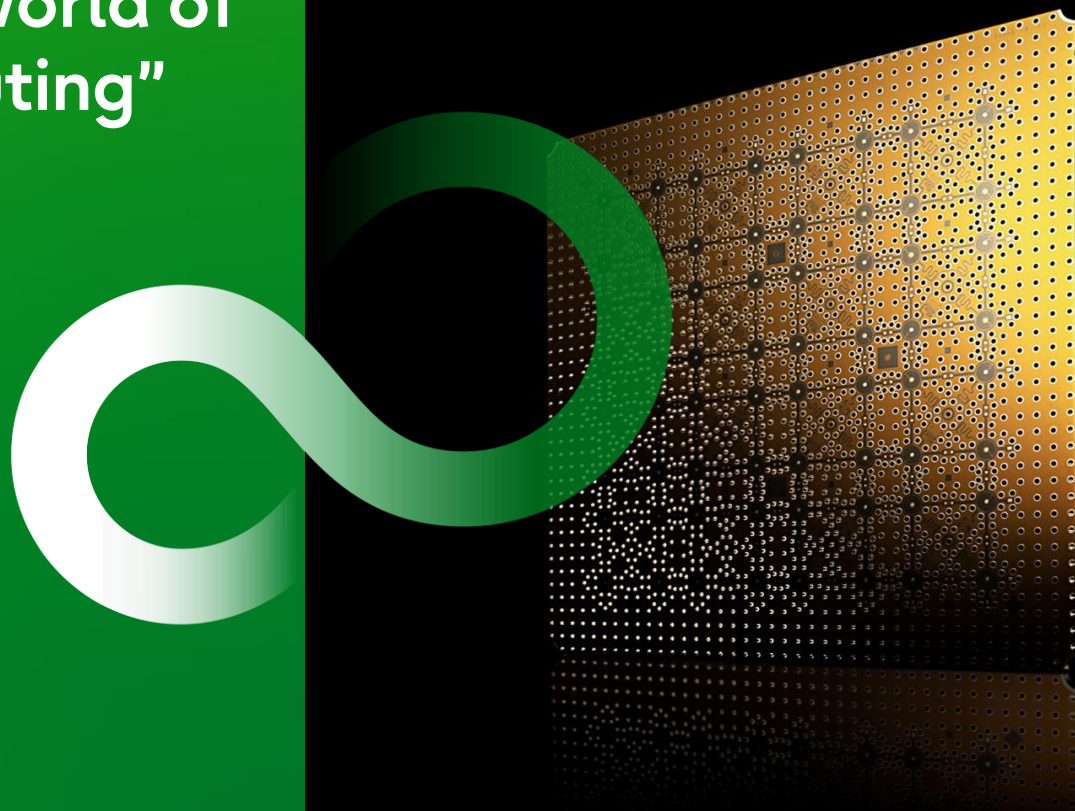
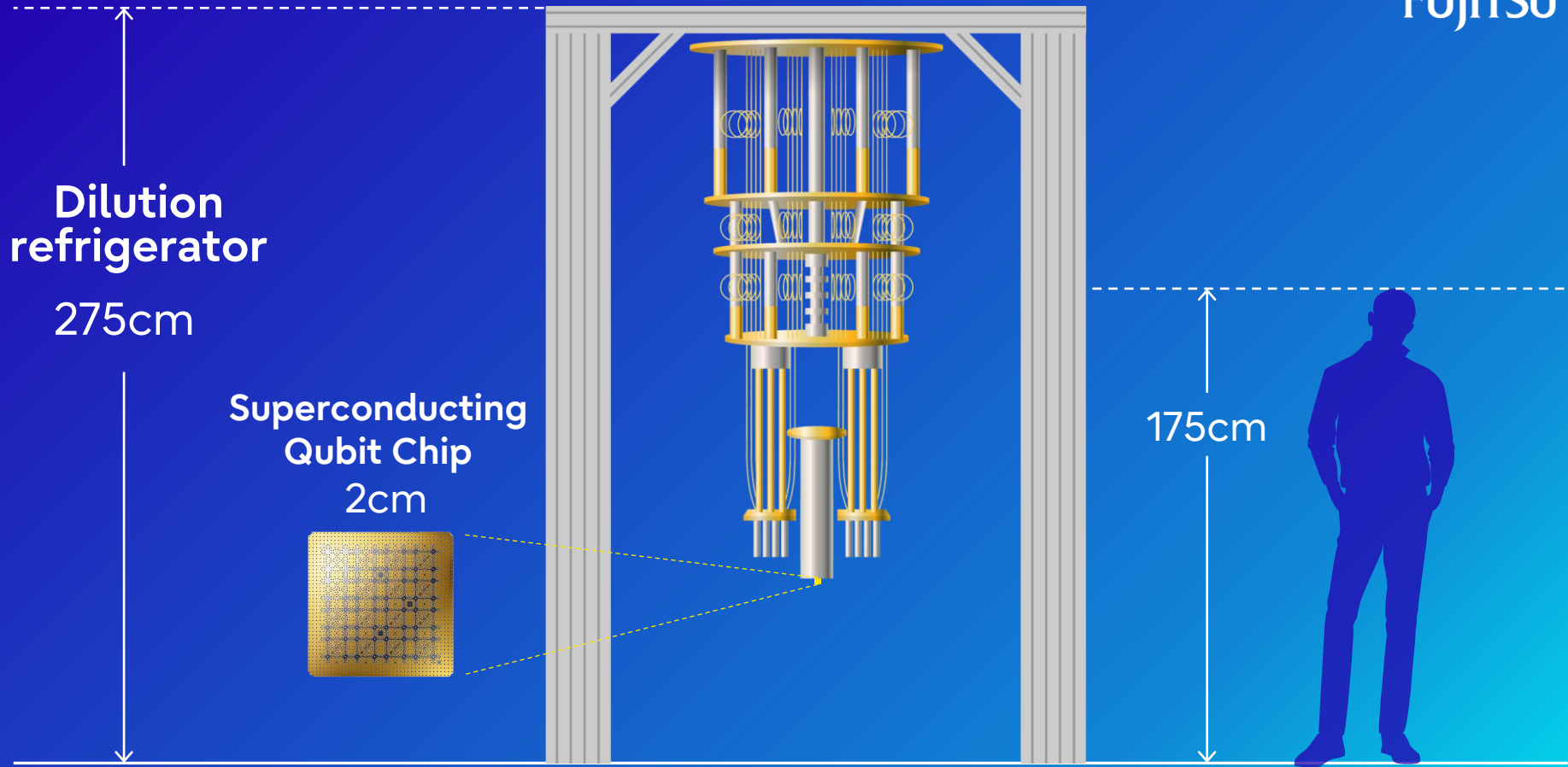


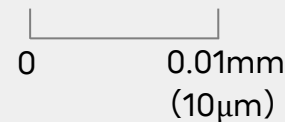
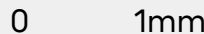
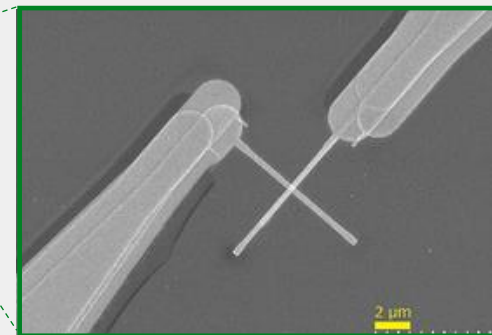
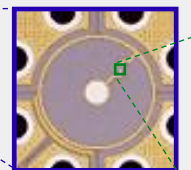
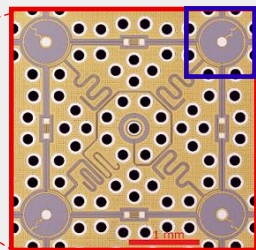
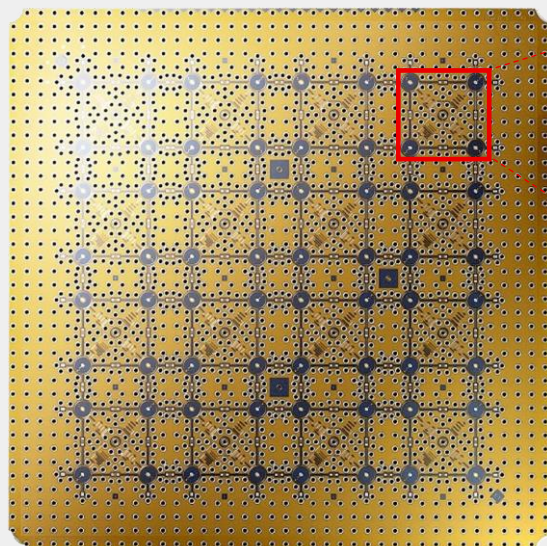
Welcome to the world of "Quantum Computing"

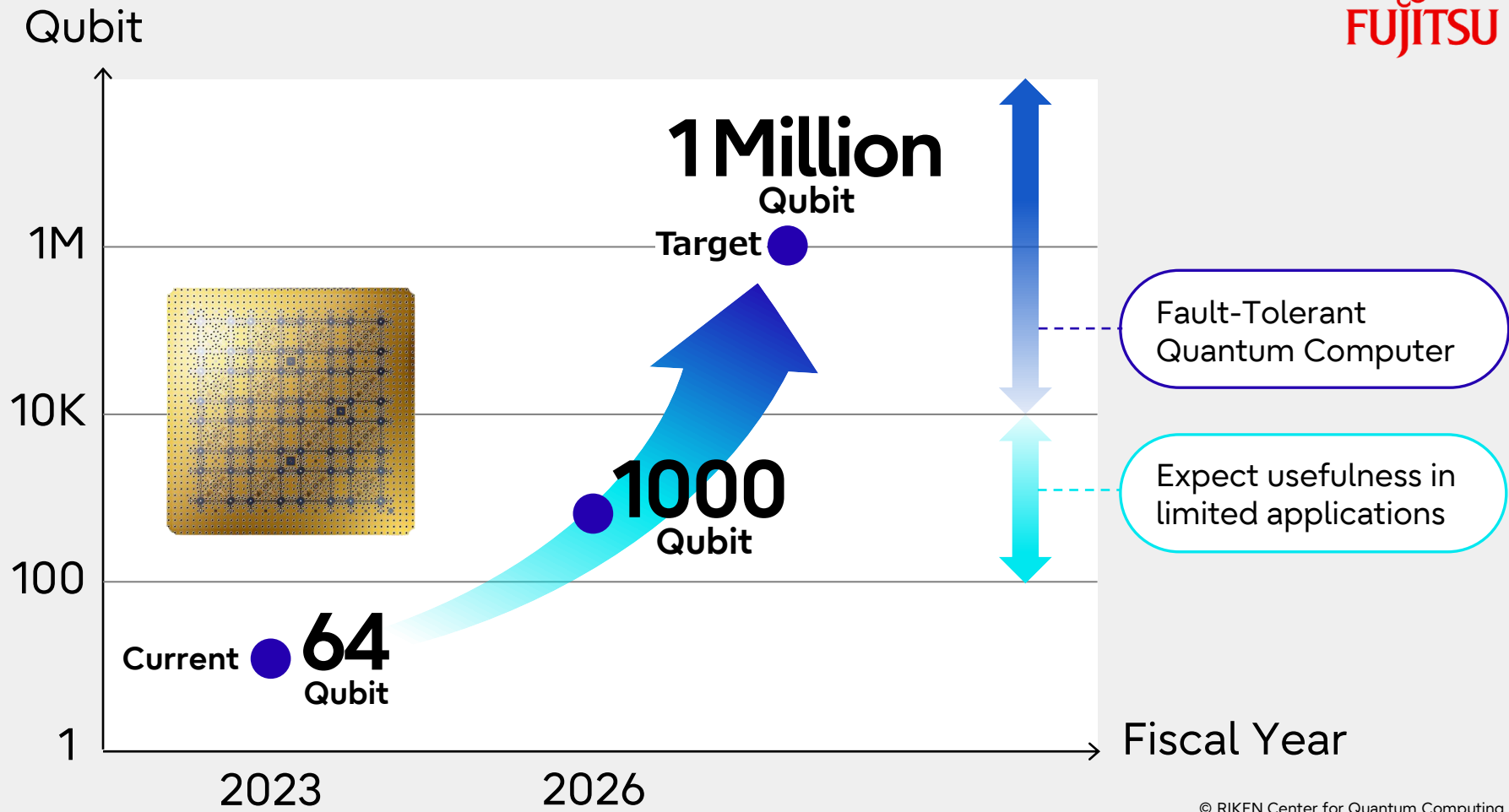




8 x 8
= 64 Qubit

1 Qubit





Hardware

Gate-based machine

Ising machine

Superconducting

Diamond spin

Silicon

Trapped Ion

Fujitsu
Google
IBM
Intel

Fujitsu

Intel

IonQ
Quantinuum

Software

- Application**
 - Materials
 - Finance
 - Drug discovery

- Algorithms**
 - Quantum chemistry
 - Quantum machine learning

- Platform software**
 - Quantum error mitigation
 - Quantum error correction



Hardware

- Gate-based machine**
 - Superconducting
 - Diamond spin



Collaboration with the world's leading research institutes

Osaka University

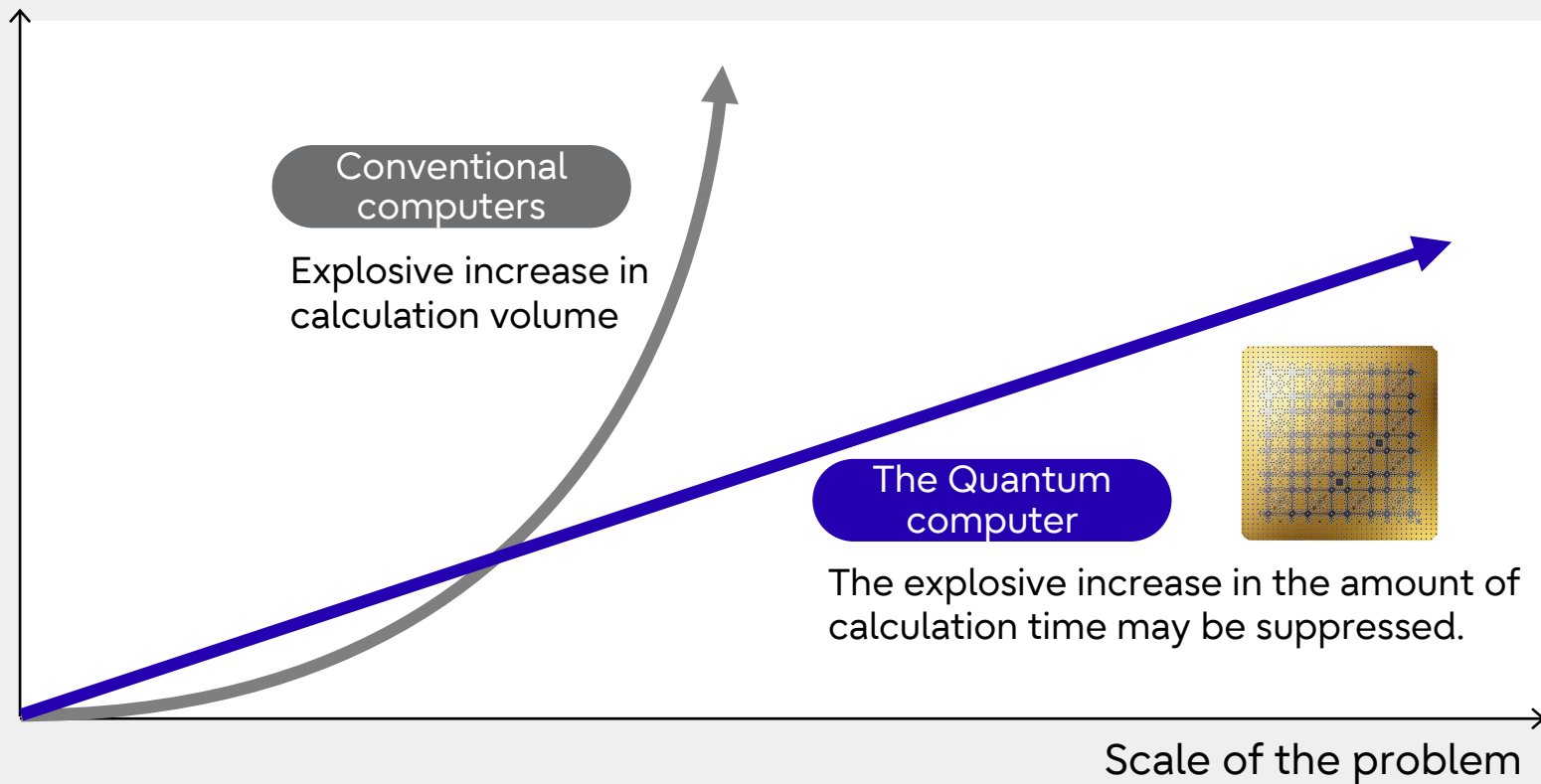
Keysight

QunaSys

RIKEN

TU Delft

Calculation time



World's fastest 39-qubit quantum simulator

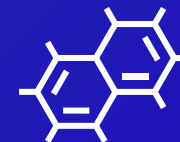
FUJIFILM

Computational chemistry field to realize innovative material design methods



Tokyo Electron

Joint research in the field of materials science



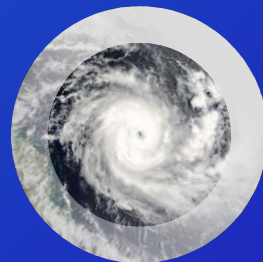
Finance



Drug discovery



Manufacturing



Climate change



Disaster countermeasures



Security

Japan's first company!

Superconducting quantum computers are scheduled to be available to user companies in fiscal 2023.

RIKEN



Fujitsu

Thank you

