

Real Machine

Widest QPU Variety

On demand

Global No.1

Real quantum cloud computing with multi-QPU

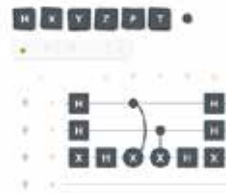
Quantum Cloud Service

Quantum Program Development & Execution Environment

Q Platform: The Beginning of Quantum Cloud

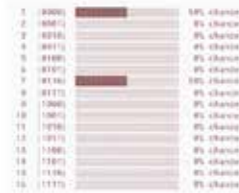


Key Features



Q Editor

- Quantum circuit simulation editor



Real-time Result Update

- Real-time result output & easy modifications



Free Open Source

- Documented API

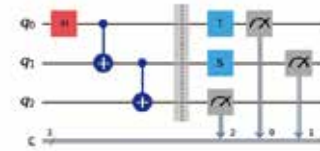


Tutorials



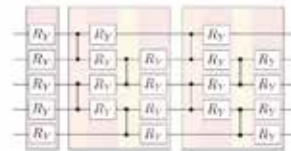
Basic Guide to Quantum Computing

- Introduction to core elements of quantum computing



Guide to Quantum Computing with Qiskit

- Guide to quantum circuit measurement and OpenQASM usage

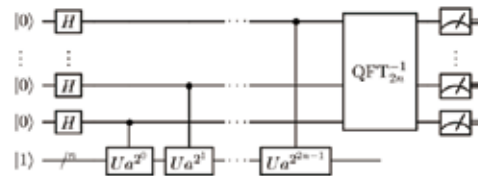


Guide to Quantum AI Using PennyLane

- Overview and guide to using PennyLane
- Gradient calculation
- Understanding and applying quantum operators

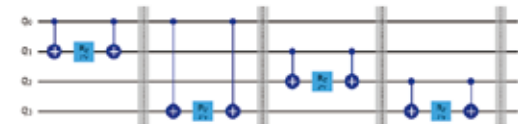


Quantum Algorithms



Examples of Quantum Algorithms

- Introduction to major algorithms such as Grover / Shor algorithms



Case Studies Applying Quantum Algorithms

- Guide to applying quantum algorithms in practical quantum computing scenarios

Quantum Cloud Expansion

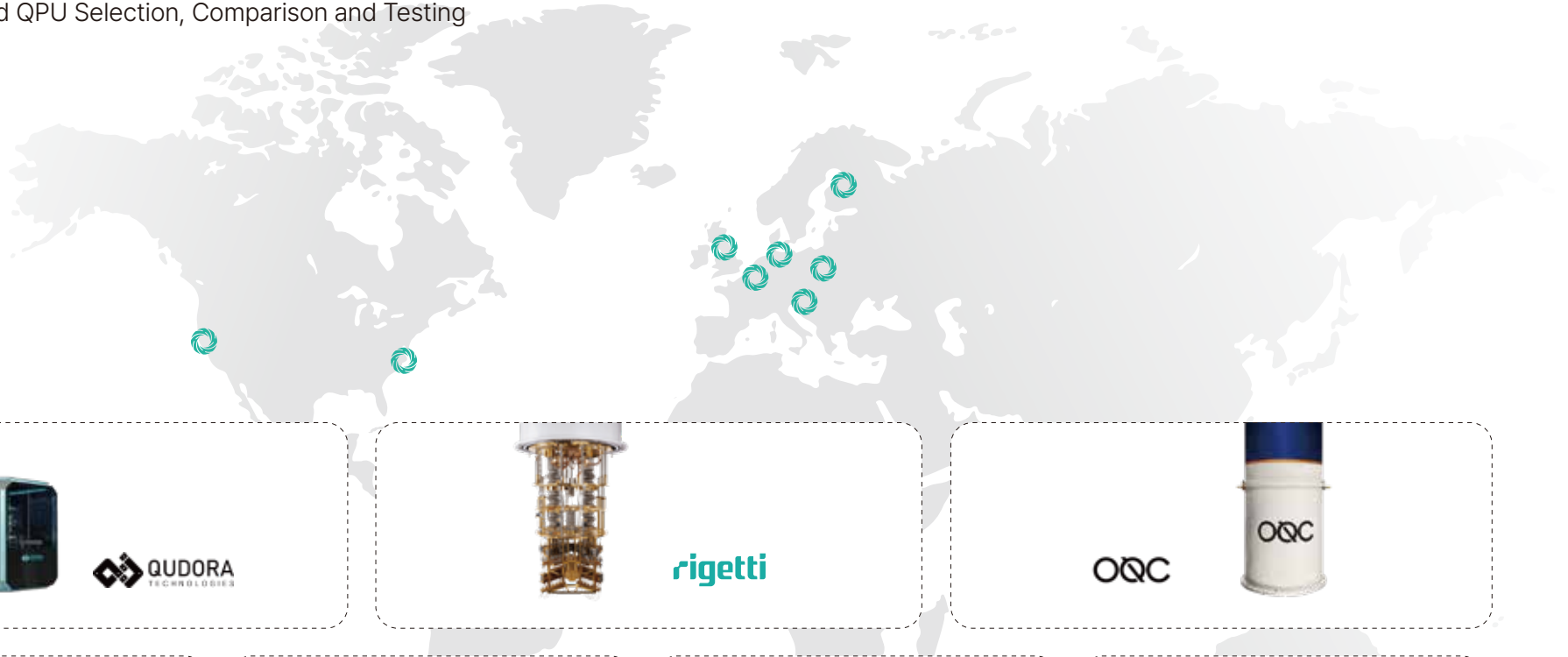
More Quantum Computers, Easier Access



One Platform, Multiple QPUs

Access to implementation architectures — Superconducting, Ion Trap, Neutral Atom, Photonic, Silicon Spin
Integrated QPU Selection, Comparison and Testing

Global No.1 K-Quantum Cloud



QUDORA
TECHNOLOGIES



rigetti



OQC



AQT

QCI
QUANTUM COMPUTING INC



equal1



ALICE & BOB



Quantum Cloud Experience

Widest QPU Variety



Real-machine-based Quantum Computing Resources

Unified multi-QPU environment run by a single code across multiple QPUs
Hybrid integration of simulator (HPC) and real QPU to reduce cost and time

• Super -conducting

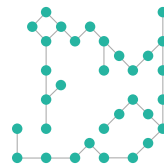
NORMA

QC-32

Status Online

Type Superconducting

Qubits 32



32Qubit

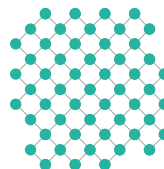
NORMA

QC-50

Status Online

Type Superconducting

Qubits 50



54Qubit

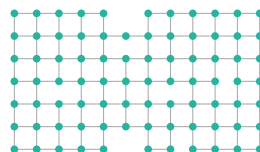
NORMA

QC-84

Status Online

Type Superconducting

Qubits 82



84Qubit (82+2)

• Ion Trap

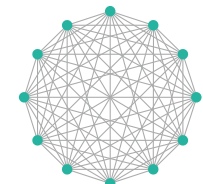
NORMA

QC-12

Status Online

Type Ion-Trap

Qubits 12



12Qubit

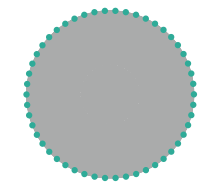
NORMA

QC-50

Status Online

Type Ion-Trap

Qubits 50



50Qubit

• Photonic

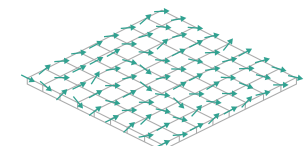
NORMA

QC-D3

Status Online

Type Photonic

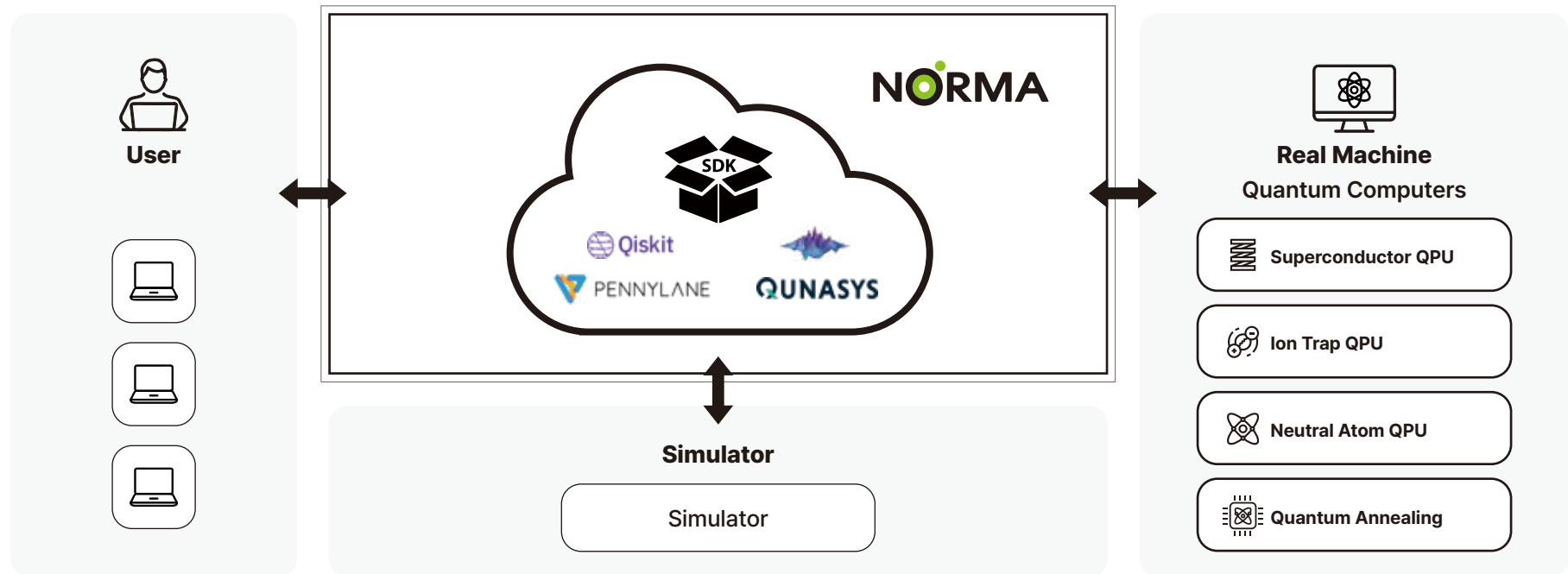
Variables(Max) 949



949Qudit

Multi-type Quantum Computer Support

Architecture



Multi-QPU Access via Q Platform — Anytime, Anywhere, No Reservation Required

Supports the most diverse QPU lineup	On-demand service available without reservation	API- and portal-based SaaS tailored to customer needs
Reselling support through QPU and service packages	Customized algorithm bundles tailored to industry needs	Cloud & on-premises deployment options
Multi-QPU support, data analysis & reporting, and advanced services based on quantum algorithms		

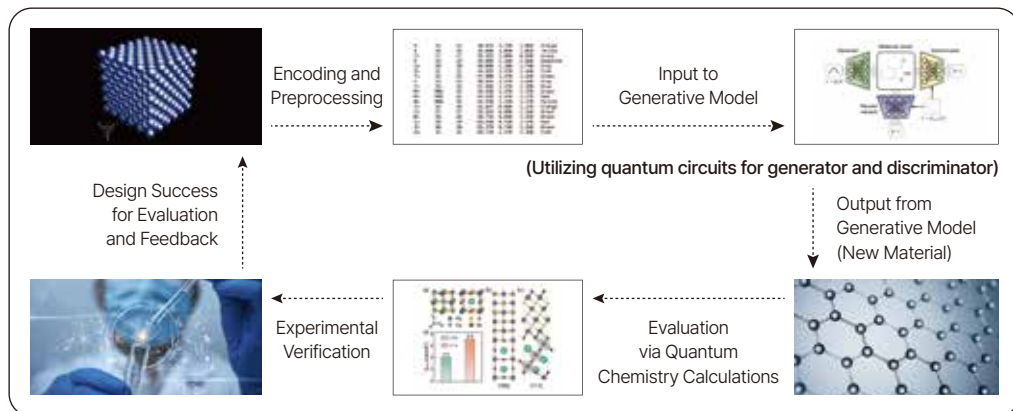
Using the Quantum Cloud

Chemistry Simulation

Optimization

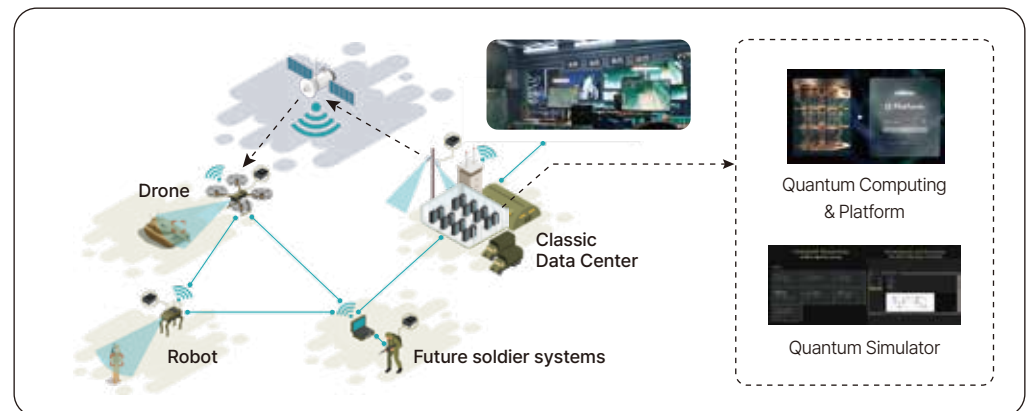
New Material Development

Catalyst Design for CO₂ Conversion Reactions



Defense sector

Optimization of Manned-Unmanned Integrated Systems



Machine Learning

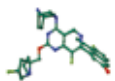
Bio Sector

Drug Discovery R&D

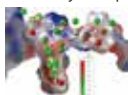
Input

SMILES & SELFIES

Experimental ligand sampling



Protein-specific virtual screening
& ligand library compilation



Comp.

Quantum Algorithms

Quantum-Classical Hybrid GAN (QGAN)



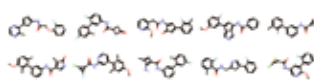
Quantum Circuit Born Machine (QCBM)



Output

Generated Molecules

Drug candidate selection & synthesis



Boosted performance metrics



Finance Sector

Development of a Quantum AI-based Credit Scoring System (CSS)

Input

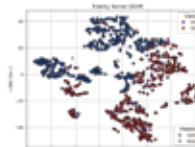
Client Payment Histories

Client ID	Transaction Date	Amount	Overdue Payment
1	2023-01-01	100	0
1	2023-02-01	100	0
1	2023-03-01	100	0
1	2023-04-01	100	0
1	2023-05-01	100	0
1	2023-06-01	100	0
1	2023-07-01	100	0
1	2023-08-01	100	0
1	2023-09-01	100	0
1	2023-10-01	100	0
1	2023-11-01	100	0
1	2023-12-01	100	0
2	2023-01-01	100	0
2	2023-02-01	100	0
2	2023-03-01	100	0
2	2023-04-01	100	0
2	2023-05-01	100	0
2	2023-06-01	100	0
2	2023-07-01	100	0
2	2023-08-01	100	0
2	2023-09-01	100	0
2	2023-10-01	100	0
2	2023-11-01	100	0
2	2023-12-01	100	0
3	2023-01-01	100	0
3	2023-02-01	100	0
3	2023-03-01	100	0
3	2023-04-01	100	0
3	2023-05-01	100	0
3	2023-06-01	100	0
3	2023-07-01	100	0
3	2023-08-01	100	0
3	2023-09-01	100	0
3	2023-10-01	100	0
3	2023-11-01	100	0
3	2023-12-01	100	0
4	2023-01-01	100	0
4	2023-02-01	100	0
4	2023-03-01	100	0
4	2023-04-01	100	0
4	2023-05-01	100	0
4	2023-06-01	100	0
4	2023-07-01	100	0
4	2023-08-01	100	0
4	2023-09-01	100	0
4	2023-10-01	100	0
4	2023-11-01	100	0
4	2023-12-01	100	0
5	2023-01-01	100	0
5	2023-02-01	100	0
5	2023-03-01	100	0
5	2023-04-01	100	0
5	2023-05-01	100	0
5	2023-06-01	100	0
5	2023-07-01	100	0
5	2023-08-01	100	0
5	2023-09-01	100	0
5	2023-10-01	100	0
5	2023-11-01	100	0
5	2023-12-01	100	0

Historical data
(e.g. transaction dates, amount,
of overdue payments etc.)

Comp.

**Prediction via
Quantum Machine Learning**



(VQC, QSVM)

Output

**Prediction of
overdue payment**

>93%

Prediction accuracy

*: Example result prediction rate

