

WHO ARE WE?

Founded in 2014, CQC is a global leader in quantum software and quantum algorithms that help our clients get the best out of existing and developing quantum computers. Over the past several years, our team has grown to 70 + accomplished scientists focused on creating the best quantum software and cryptography solutions for our customers.

Our research helps the world's most innovative financial, chemical, material science, energy and utilities, automotive, defense, transportation and logistics companies to harness the transformative impact of quantum computing.

OUR SOLUTIONS



Quantum Software Development Platform

t|ket>[™] translates machine independent algorithms into executable circuits, optimizing for physical qubit layout whilst reducing the number of required operations.

t|ket> enables our partners, collaborators, and clients to effortlessly work across multiple platforms to tackle some of the most intriguing problems in chemistry, materials science, pharmaceuticals, and finance.



Quantum AI and Machine Learning

With our industry partners, we have pioneered the implementation of QML on today's NISQ devices using our proprietary quantum circuit learning methods in the finance space and beyond.

Quantum theory can be used to compute language meaning, allowing us to store and process vastly more words at greater speeds compared to today's approaches.



Quantum Chemistry

EUMEN is a complete computational chemistry software package that facilitates the design of pharmaceuticals, specialty chemicals, performance materials, and agrochemicals.

Working across all sectors, we are developing next generation quantum algorithms and methods to overcome the limitations of traditional quantum chemistry.



Quantum Cryptography and Cybersecurity

CQC has pioneered a quantum-based solution to eliminate security threats to digital data and communication. We ensure independence and source certifiability to be used for post-quantum encryption algorithms, entropy generation for IoT devices, key generation for certificates, quantum watermarking, and many other use cases.