

CHALLENGE: SCALABLE QUANTUM TECHNOLOGY



150+

Ph.D. and master's degree staff in R&D team



400+

R&D team



200+

Patents, software copyrights, independent intellectual property pending or granted



800+

Customers Served



Quantum Simulations	
Materials Science	
Pharmaceutical R&D	
Quantum Machine Learning	
Finance	
Pharmaceutical R&D	



ANALYSED BY | NIUCAP VENTURES

Introducing



targeting

QUANTUM TECH FOR ACCELERATED R&D & DECISION MAKING

ANALYSED BY | NIUCAP VENTURES



SDGs TACKLED

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE

A white icon representing industry and infrastructure, consisting of three interlocking cubes.

4 QUALITY
EDUCATION

A white icon representing quality education, showing an open book and a pencil.

13 CLIMATE
ACTION

A white icon representing climate action, featuring a globe of the Earth inside an eye shape.

7 AFFORDABLE AND
CLEAN ENERGY

A white icon representing affordable and clean energy, showing a sun with a power button symbol in the center.

<https://sdgs.un.org/>

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VENTURES

KEY FACTS

INDUSTRY:	Quantum Technology
YEAR OF FOUNDATION:	2016
FUNDING STAGE:	Series C
URL:	http://www.ciqtek.com
CHINESE NAME:	Guoyi Quantum (Hefei) Technology Co., Ltd. / 国仪量子（合肥）技术有限公司

SOLUTION

PRODUCT:	Wide range of quantum solutions such as quantum computers, sensing and spectroscopic equipment.
VALUE PROPOSITION:	increased efficiency and better decision making in R&D through quantum powered development in the chemical & biomedical sector, in material science & life sciences
MONETIZATION:	biz model tbd — currently sales of hardware (quantum computers and sensors, spectroscopic equipment etc.)

USP

- **broad product portfolio** and **huge work force**
- **quantum precision measurement** tools for enterprises, universities, hospitals, laboratories and industrial environments worldwide
- **affordable & compact quantum computers** for education
- **quantum machine learning approach** trained on applications like
 - **energy:** downhole sensing for unconventional oil and gas resources, combustible ice etc.
 - **materials:** exploitation of the microstructure, preparation and processing of new materials
 - **life sciences:** exploitation of the structures of food and sea life (corals), optimisation of pharmaceuticals to provide a reliable basis for safety testing and quality improvement.
 - **industrial:** hydrogen production and hydrogen fuel cell characterisation; quality inspection of lithium-ion batteries during charging / discharging etc.
- ▶ rich financial backing: **state funding** plus **VC funding** plus **research grants**, since startup is acting both as company and research center (different units)

FUNDING

FUNDING STAGE:	Series C
LAST ROUND:	December 24th, 2021
FUNDING RAISED (EST.):	\$ ~100,000,000 Total Funding To Date¹ \$ several 10M (Series C, 2021) \$ 37,500,000 (Series B, 2021) \$ undisclosed (Series A+, 2019) \$ 15,000,000 (Series A, 2018) \$ 5,000,000 (Angel, 2018)
REGISTERED CAPITAL:	\$ 28,930,000 ¹

MAJOR INVESTORS

- Hillhouse
- IDG Capital
- Chinese Academy of Sciences Capital
- State Venture Capital Fund
- Shenzhen Investment Holdings
- Hefei Industry & Investment Group (et al.)



TEAM

- **He Yu, CEO:** Ph.D. studies at University of Science and Technology of China.
- **Ph.D. Rong Xing, Chairman**
- **Zhang Wei, Vice President:** bachelor's and master's degree from University of Science and Technology of China.
- **Feng Zedong, Vice President:** bachelor's and dual master's degrees from Tsinghua University, senior engineer. Former Technical Director of Zhongtian Qiming Petroleum.
- 700+ employees, several offices in China (Beijing, Shanghai, Guangzhou, Shenzhen, and Chongqing), no global presence as of yet.



“ *With its quantum machine learning approach, applied to a broad spectrum of applications, CIQTEK is a candidate to accelerate the implementation of quantum technology beyond research globally and at scale.* ”