

Practical applications of quantum secure communication technology for CMBC (China Minsheng Banking Corp.Ltd.)

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Introduction of CMBC—From the People, for the People

China Minsheng Banking Corp., Ltd. was formally established on 12 January 1996. It is China's first national joint-stock commercial bank initiated and founded mainly by non-state-owned enterprises (NSOEs). Three Major Strategic Scale of Institution Positioning Total Assets: RMB 5.99 trillion A bank for the NSOEs Net Assets: RMB 430 billion **Business Units: 2800** A fintech-based bank Employees: 58,000 A bank of integrated services **Fintech-based Bank**

Scientific achievements & Internet Finance: 30+ national ministries and industry

association awards

Patents and Copyrights obtained : 95

Quantum application scenario 1: Quantum application of banking regulatory information acquisition system





Construction since 2013Completed & in operation

■Submit data once a day ■500MB-1GB of data per transfer



■CMBC and CBRC jointly built a financial information data acquisition system based on quantum encryption data transmission

Information acquisition, information encryption transmissionInformation analysis

www.cmbc.com.cn

Quantum application scenario 2: Quantum application of CMBC Shanghai branch's main and backup data center

The main data center room of CMBC Shanghai branch



Meet the "controllable" goals
Fit the national strategy and industry requirements
Meet the "technology innovation"
goals
Lead technology commanding heights

Meet the "model innovation" goals Create characteristic application mode

Technology combined with industry demands, to meet its own security needs with wide applications, to serve the industry and social objectives

Quantum application scenario 3: A new generation of secure cryptographic applications



Extend application range: Connect overseas and remote areas via quantum satellite



Thank you!