

SSCC Official WeChat Account



SSCC Customer Service Center



ShenZhen Stock Exchange IT Product Alliance



SSCC Cloud Official WeChat Account







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Printed in 2023





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Business

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Related Core Institutions:

China Securities Regulatory Commission (CSRC)

Shenzhen Stock Exchange (SZSE)

China Securities Depository and Clearing Corporation Limited (CSDC)

Shenzhen Securities Communication Corporation Limited (SSCC)

Shanghai Stock Exchange (SSE)

Beijing Stock Exchange (BSE)

China Securities Finance Corporation Limited (CSF)

National Equities Exchange and Quotations Corporation Limited (NEEQ)

China Central Depository & Clearing Corporation Limited (CCDC)

National Council for Social Security Fund (SSF)

China Securities Internet System Corporation Limited (CSIS)

Shanghai Stock Exchange Technology Corporation Limited (SSE TECH)



About Us

Mission Vision Value

Mission: Implementing SZSE's strategic objective of becoming "a quality innovation capital center and a world-class exchange", and empowering the high-quality development of capital market.

Vision: To be a world-class exchange technology company.

Value: Lead with safety, serve with heart, innovate in principles, and drive excellence.

Company Profile

Shenzhen Securities Communication Co., Ltd. (SSCC) was established in July 1993 with a registered capital of 113.6 million yuan and shareholders of Shenzhen Stock Exchange(SZSE) and China Securities Depository and Clearing Co., Ltd. (CSDC), which is one of the earliest companies in China to carry out securities communication business. As an important group member of SZSE, SSCC is mainly responsible for the transaction settlement communication of the Shenzhen securities market, supporting the core IT system construction of SZSE, and providing financial institutions with financial technology services such as data center business, cloud services (supervisory cloud business and financial cloud business), and Financial Data Exchange Platform (FDEP). SSCC is also responsible for constructing and operating the Southern Information Technology Center of China Securities and Futures Industry (Southern Information Technology Center). SSCC's service targets cover SZSE, industry regulators and market participants, etc. SSCC is a national high-tech enterprise and a key software enterprise.

30

Years of Dedicated
Experience in the
Industry



SSCC operates 5 major business sectors including trading and settlement business, data center business, financial cloud business, network financial business, Innovation Business.

5

Major Business Sectors



SSCC serves more than 1,700 financial institution clients, including core institutions, securities, funds, banks, futures, insurance, service providers, and other financial industry subjects, thus establishing a rich industry ecosystem.

Over 1,700 Financial Institutions



With 4 major systems of R&D, operation and maintenance, security and quality, SSCC has accumulated rich experience in infrastructure construction and operation, as well as in technology research and application.

4

Major Systems

Honors and Qualifications

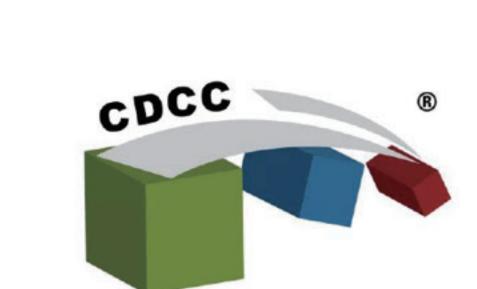
- The National High-tech Enterprise, The Key Software Enterprise
- Own domestic and the international authoritative certifications, such as ISO 20000, ISO 27001, CMMI3,CQC,etc.
- Own multiple invention patents, utility model patents and over 100 software copyrights.
- Won the first prize at the 5th and 6th Securities and Futures Industry Science and Technology Awards.







National Key Software Enterprise



Data Center Science And Technology Award



ISO 27001 Certification



ISO 20000 Certification



ISO 9000 Certification



National Green Data Center



CMMI3 Certification



CQC Enhanced (Level A)

Key Milestones

2012 2006.07 Hong Kong 2003.06 Financial Data 2000.01 Node is officially Exchange Platform Financial Data 1993.04 operational. (FDEP) message Ground network Exchange Platform was established. transmission function One-way satellite (FDEP) file transmission was enabled. network was function was enabled. established. 2013.05 Dongguan 2008.02 Shenzhen The phase II of securities 2004.06 Binhai data center communication 2001.07 Colocation business was completed. co., Ltd. Was was introduced. Binhai Data established. 2008.06 Center was 2013.12 1994.08 completed. | Beijing Jinyang Data | Financial cloud | Two-way satellite Center was put into service was network was operation. introduced. established.

2019 Hong Kong Fund Operation e-Services | Platform was launched. 2019.10 A financial cloud cooperation agreement

> 2017.10 Southern Information Technology Center obtained M&O certification.

2017.12 SZSE Financial Blockchain Platform was released.

2015.12 Mutual Recognition of Funds (MRF) Platform was launched.

2016.04

2016.06

2016.06

| Fifth-generation Trading

The phase I of Southern

Information Technology

Center was put into

operation.

System was launched.

Award.

Platform was honored

2018.05

H share full-flow business was Financial Data Exchange launched. with the first prize at the 5th Securities and Futures Science and Technology

| Exchange.

was signed with Tencent

Cloud.

2019.11

Shenzhen Stock

2019.12

Exchange IT Product

Alliance was established.

The phase II of Southern

Information Technology

Center construction

project started.

2020.12 A strategic cooperation agreement was signed with National Equities Exchange and Quotations for communication system | IT services.

2023.05 The trading and surveillance

system that SSCC participated in the research and development for Pakistan Stock was launched.

2023.06 The phase III of | Binhai Center's civil engineering project was completed and accepted.

2022.03

2021.01

2021.06

Data Center No.1 of

Southern Information

awarded the highest

certification by CQC.

Technology Center was

level of energy efficiency

Blockchain cooperation

agreements were signed

with six equity exchanges.

2020.07 Data Center No.1 of Southern A blockchain Information Technology Center cooperation agreement was identified as the 2021 was signed with National Green Data Center. | Guangdong Stock

2022.04

The SZSE Beijing Node of Regulatory Cloud passed the acceptance of CSRC.





Trading and Settlement Business

Fully support SZSE business and serve the multi-tiered capital market.



Data Center Business

Formed a multi-data center layout serving the whole country. Striving to build a "world-class industry infrastructure" and a comprehensive innovation and scientific research base.



SSCC Cloud Business

SSCC cloud actively exploring the application of cloud computing in the securities and fund industry. It has become the largest and most influential secure and compliant financial cloud platform in the industry.



Network Financial Business

Providing a one-stop data exchange solution for various participating institutions in the Chinese securities market, it serves as a critical data exchange hub for the Chinese securities market.



Innovation Business

The new technology applications and service-model innovations that serve securities market-related institutions, which aim to help industries in technology research, application, co-construction and sharing, and promote technology-empowered industries as well as the innovation and development.



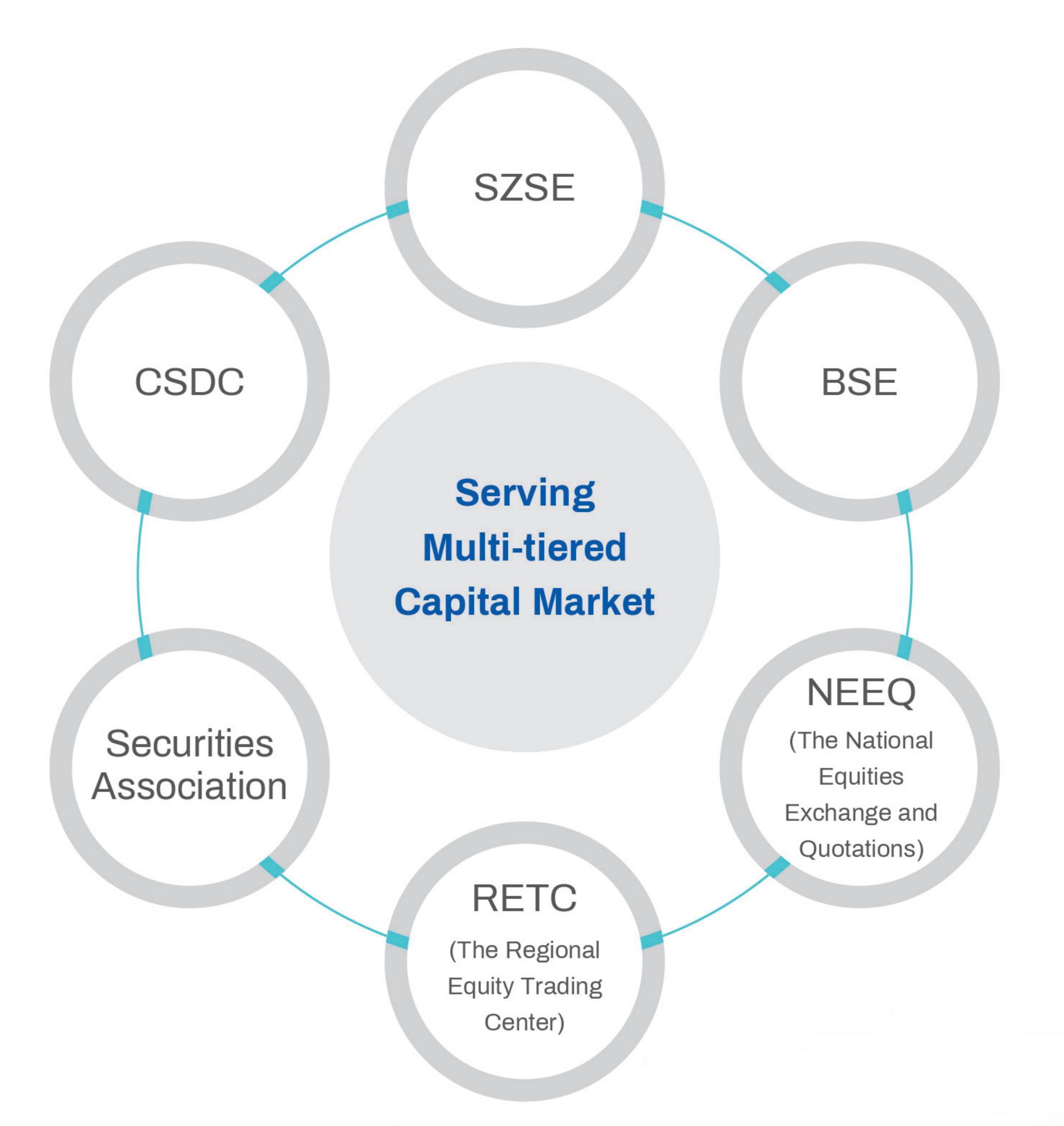
Listed Trading | Information Disclosure

Trading and Settlement Business

Trading and Settlement Business focuses on providing communication technology services for the multi-tiered capital market. We offer communication software applications and network to financial market participants to access to financial market institutions such as the Shenzhen Stock Exchange (SZSE), the Beijing Stock Exchange, and the National Equities Exchange and Quotations (NEEQ), enabling market entities to conduct securities trading, market data reception, and settlement data exchange. With SSCC's advanced communication technology and innovative application capabilities in financial trading and settlement, we effectively ensure the secure, stable, and efficient operation of the capital market.

1 year

Secured Operation of the Trading System
Preserving System Security
Operations Integrity





Real-time

Low Latency, Low Jitter



Stable

High Availability, High Reliability



Secure

Dedicate Network,

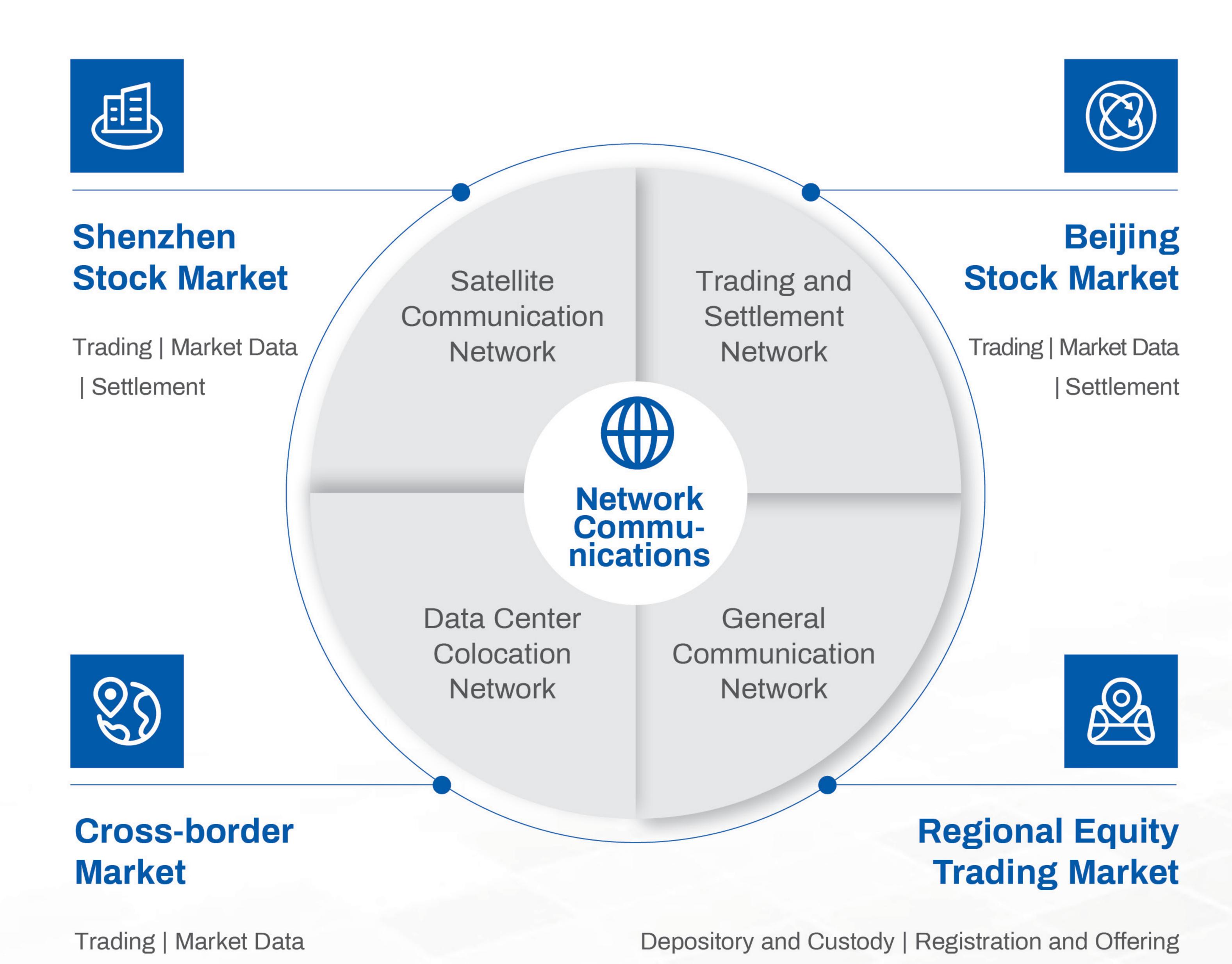
Two-way Authentication



High-Efficiency

High Performance, Large Capacity

Business Overview



/11

Settlement



Products

Shenzhen Stock Market



The Gateway Service of Trading Communication

Through the gateway, the trading participants apply for entrustment order to SZSE and receive the entrustment confirmation, execution report and other data returned by SZSE.

The Trading Web-Terminal Service

In the web version operation mode, the trading participants apply for entrustment order to SZSE and receive the entrustment confirmation, execution report and other data.

The Gateway Service of Transaction Summary Communication

Through the gateway, the trading participants receive the summarized execution reports of multiple trading units returned by SZSE

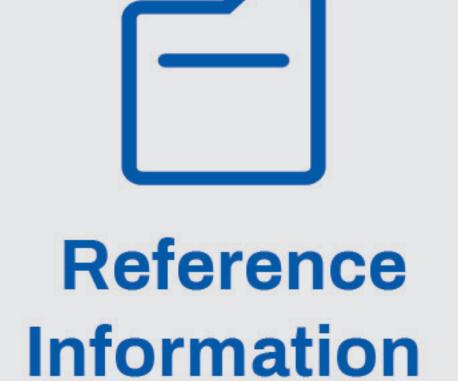


The Gateway Service of LEVEL I Market Data Communication

Through the gateway, the index information, real-time five-level market quotation snapshots, real-time statistics, real-time announcements and other related market data issued by SZSE can be received.

The Gateway Service of LEVEL II Market Data Communication

Through the gateway, the index information, real-time ten-level market quotation snapshots, order details, real-time statistics, real-time announcements and other related market data issued by SZSE can be received.



The Gateway Service of File Transmission

Through the gateway, data files such as transaction reference information, closing quotation and the static-data file of transaction summary issued by SZSE can be received; the fund net value files, ETF PCF files and other data files can also be submitted to SZSE.



The Gateway Service of Settlement Communication

The gateway service is used to transmit settlement data and file exchange of A-shares and B-shares in Shenzhen stock market. About A-share settlement, the service including settlement data exchange, real-time settlement, real-time fund settlement and other functions. About B-share settlement, the service is used to transmit instructions and documents of the overseas B-share settlement business of Shenzhen stock market and as the interface of input, modification, sending of the local instructions of overseas brokers.

Settlement Terminal Service

The terminal service provides a graphical operation terminal for the A-share and B-share settlement business of Shenzhen stock market.

NEEQ & BSE



The Gateway Service of Trading Communication

Through the gateway, the trading participants apply for entrustment order to BSE and NEEQ, and receive the entrustment confirmation, execution report and other data returned by BSE and NEEQ.

The Gateway Service of Transaction Summary Communication

Through the gateway, the trading participants receive the summarized execution reports of multiple trading units returned by BSE and NEEQ.



The Gateway Service of Market Data Communication

Through the gateway, securities information, market quotations, announcements and other related market data issued by BSE and NEEQ can be received.



The Gateway Service of Trading Settlement Communication

Trading settlement communication gateway service is used to transmit settlement data and file exchange of BSE and NEEQ, including the exchange of settlement data, real-time settlement, real-time fund settlement and other functions.

Settlement Terminal Service

Terminal service provides a graphical operating terminal for settlement of BSE and NEEQ.



Cross-Border Market



The Gateway Service of Trading Communication

The gateway service connects domestic and foreign financial institutions to transmit order data, transaction data and other trading data for cross-border business such as SZSE's B-to-H (B2H) program, the "Full Circulation" of H-shares and etc.



The Gateway Service of Market Data Communication

The gateway service is used for receiving securities information, securities quotations, announcements and related market data for cross-border business such as SZSE's B-to-H (B2H) program, the "Full Circulation" of H-shares and etc.

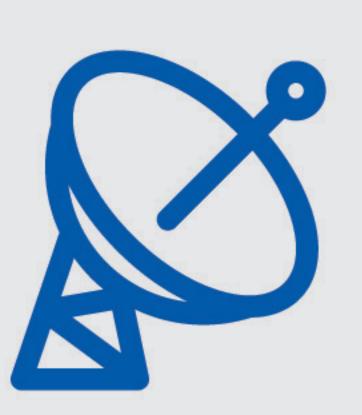
OTC Market



The Regional Equity Comprehensive Service

The platform offers comprehensive solutions for core functions in the regional equity market, including equity rights registration and trusteeship, dividends distribution, private placement bond registration and issuance, and corporates' information disclosure. The service caters to a broad range of participants in regional equity markets including stock exchanges, enterprises, investors, intermediaries, banks, and regulatory agencies.

Network Communication Service



One-Way Satellite Access Service Two-Way Satellite Access Service

Users can apply for access to SSCC's satellite communication dedicated network which enables the transmission of trading data, quotation data, and other market data for Shenzhen stock market, the Beijing stock market, the equity transfer market and the cross-border market.



Trading Wide Area Network (WAN) Access Service Trading Local Area Network (LAN) Access Service

SSCC's ground communication dedicated network enables users to access data transmission service of Shenzhen stock market, including trading data, quotation data, settlement service data, and other market data.



High-Speed Quotation Data Wide Area Network (WAN) Access Service High-Speed Quotation Data Local Area Network (LAN) Access Service

SSCC's high-speed quotation ground communication dedicated network enables users to access data transmission service of Shenzhen stock market.

 P_{i}

Data Center Business

In 2004, Shenzhen Securities Communication Co.,Ltd. (SSCC) officially launched its colocation services. Subsequently, the second phase of Binhai Data Center, Beijing Jinyang Data Center and Southern Information Technology Center were constructed, resulting in the establishment of a nationwide network of four data centers in Binhai, Futian (SZSE data center), Dongguan, and Beijing, offering various colocation services to the industry users. The development of the nationwide network has contributed to improving the efficiency of IT infrastructure construction and operation in the industry, while reducing the overall costs. SSCC and SSE TECH have deployed remote disaster recovery systems in each other's data centers by exchanging racks, strengthening the industry interconnectivity.

— 2004 SSCC started to offer colocation services Binhai Data Center Phase I (200 racks)

2008 Binhai Data Center Phase II (1,200 racks)

Beijing Jinyang Data Center commenced operation (150 racks)

Beijing

— 2016 Southern Information Technology Center Phase I commenced operation (5,000 racks)

2020 The upgrade and renovation of Binhai Data Center started

Southern Information Technology Center Phase II will be put into production (15,000 racks)

Shenzhen

Dongguan

— 2024 The upgrade and renovation of Binhai Data Center will be completed and put into production



Fenggang-Dongguan

China Southern
Information Technology
Center for Securities and
Futures Industry

20,000 racks
With 5,000 racks
put into service in
Phase I



Futian-Shenzhen

Binhai Data Center

1,200 racks

Upgrade and renovation activated



Financial Street-Beijing

Jinyang Data Center

150 racks

Business Strengths

Professional Operations and Maintenance Management Competency

With nearly 20 years of experience in data center construction and operations management, backed by a team of dedicated professionals and experts, SSCC has achieved significant milestones in the industry. In 2017, Southern Information Technology Center obtained the Uptime Institute's M&O Stamp of Approval (Data Center Infrastructure Operations and Management Certification), and successfully underwent a reevaluation with the highest score in the domestic market in 2019. In 2022, Southern Information Technology Center became the first data center in the Chinese financial industry to attain the CQC (China Quality Certification Center) Data Center Infrastructure Operations Assessment Level 3 (Enhanced Level) certification.

Nearly 20 years of experience in data center construction and operations management

Business Highlights

Uptime Tier III/IV Data Center

SSCC offers two distinct tier standards data centers (designed and constructed to Uptime Tier III/IV standards) to meet the differentiated needs of the market.

Ecosystem

Southern Information Technology Center is serving nearly 200 hosting clients and over 400 financial cloud users, encompassing the core institutions, securities, futures and other industry institutions. It serves as a hub for trading connectivity, including access to SZSE, SSE, as well as market data feeds from SZSE, SSE, and CFFEX, initially forming an exchange technology ecosystem with multi-dimensional aggregation effects in aspects of users, data and resources.









Dedicated Trading Colocation Area

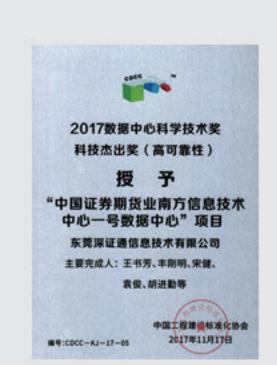
Southern Information Technology Center offers a dedicated trading colocation area with identical network cabling, network architecture, and network equipment to ensure the fairness and integrity of trading.



Digital Industrial Campus

The future plans of Southern Information Technology Center include the development of a hyper-scale, high-tier digital industrial campus with multifunctional facilities for production, development, testing, training, and living.

Certifications and Awards

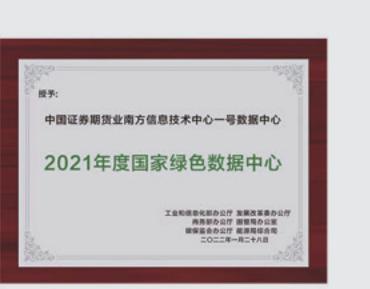


Outstanding Technology Award (High Reliability)

2017 Data Center Scientific and Technological Award



China Excellent **Data Center** in 2016



National Green Data Center in 2021



CQC CQC Data Center Energy Efficiency Certification



CQC CQC Infrastructure Operations Assessment Enhanced Level Certification



China Southern Information Technology Center for Securities and Futures Industry, the core infrastructure designed for conducting SSCC's data center business.

As the implementation of the national strategic deployment on strengthening the construction of the financial infrastructure, approved by CSRC, SZSE constructed Southern Information Technology Center, a hyper-scale, high-tier data center serving the industry.

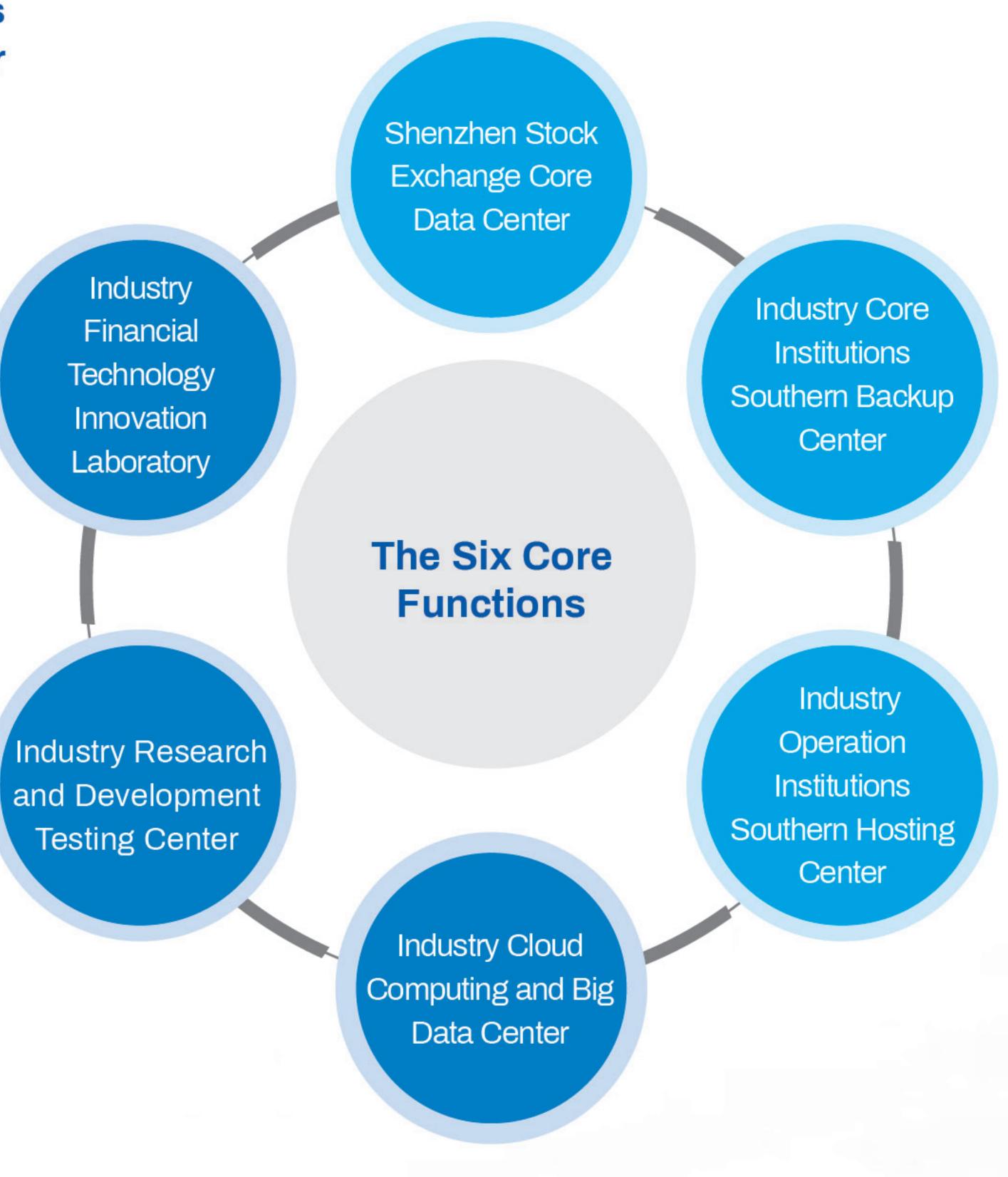
Aiming at constructing a "World-class Industry Information Technology Center", Southern Information Technology Center covers a total area of approximately 135,000 square meters, with around 20,000 racks installed. Its design conforms to GB50174-2017 Class A and Uptime Tier III/IV standards.

Uptime Tier III/IV Data Center

Standard

20,00

Racks





Level A CQC Data Center Infrastructure

Certification Level A



Level 3 Information System Security Protection Level 3



ISO 20000 Information Technology Service Management System

ISO 20000



ISO 27001

Information Security Management System ISO 27001



Products

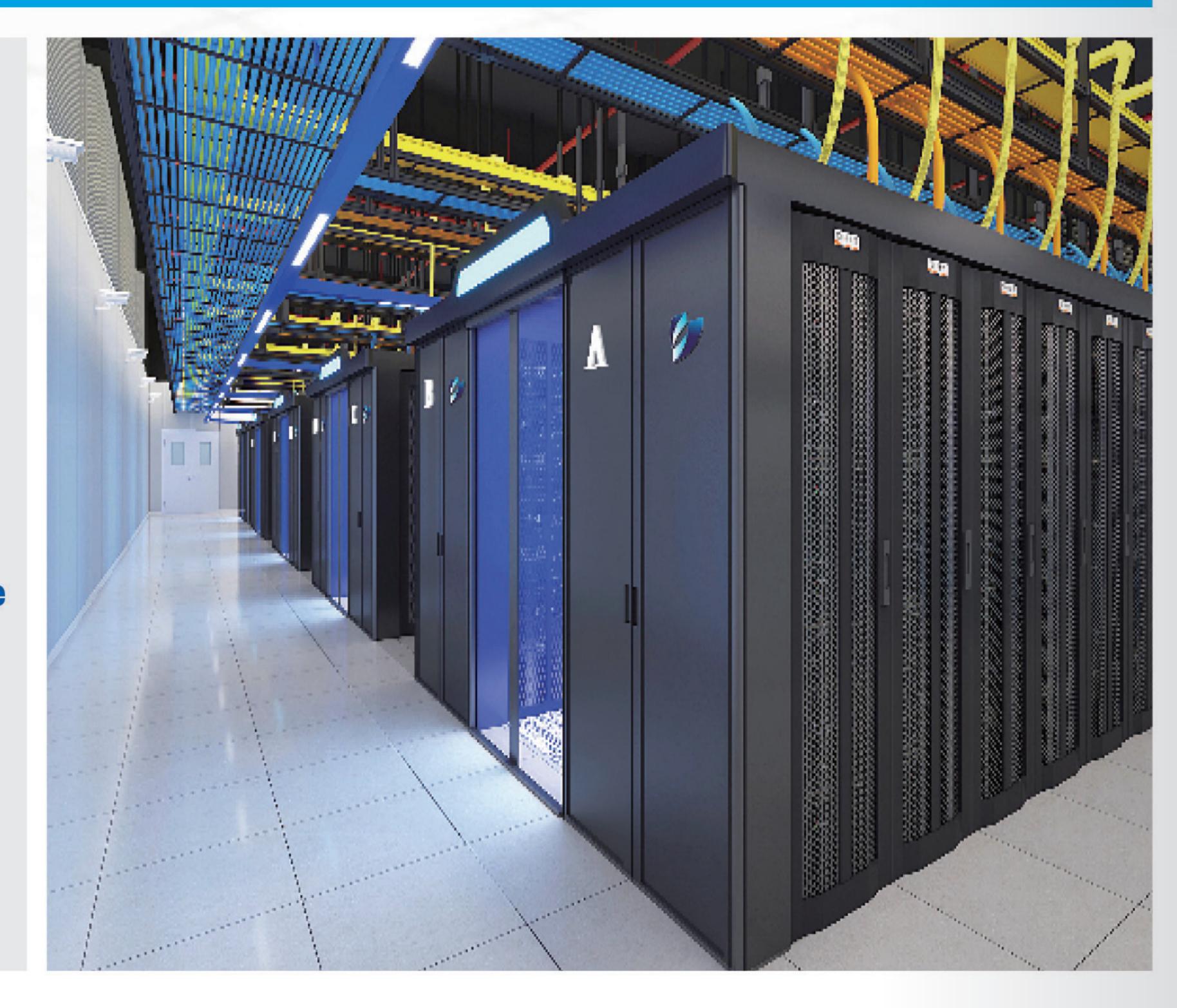
Colocation Services

Trading Colocation Service

Offering trading colocation service to facilitate access to the SZSE for trading purposes. It is designed to allow eligible users to connect to the SZSE trading platform, enabling the submission of trading orders and the reception of essential trading-related data.

Comprehensive Colocation Service

Offering comprehensive colocation service to industry users with the flexibility to deploy various system types. This service does not directly offer access of SZSE trading platform.



Comprehensive Ancillary Services

Offering users with a range of complementary facilities and services within the campus includes communication service, managed service, monitoring space, storage, transportation, dormitories, catering etc.

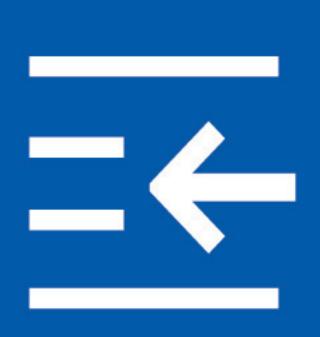


Application Scenarios



Business Deployment

- Market Data Systems
- Trading Systems
- Internet Access
- Office Automation (OA)
 Systems



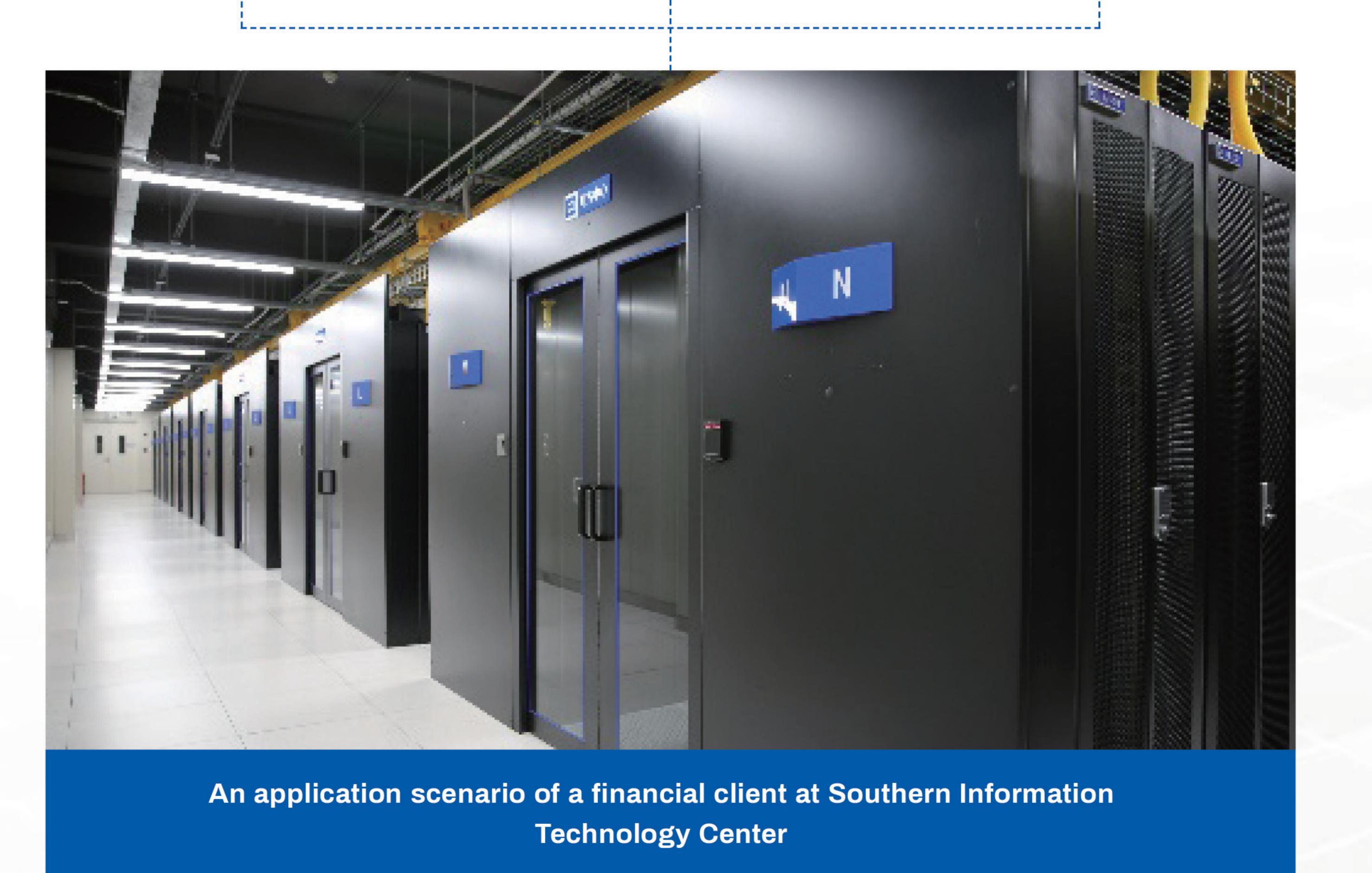
Access Services

- SZSE Trading
- SZSE Level I Market Data
- SZSE Level II Market Data
- SSE Market Data
- SSE Trading (Backup)
- FDEP (Financial Data Exchange Platform)



Data Center Interconnection

- Domestic Data Centers
- Hong Kong Data Centers
- Overseas Data Centers



SSCC Cloud Business



() 深证云 Technology Empowers Intelligent Foresight for the Future

SSCC Cloud, a cloud computing brand under Shenzhen Securities Communication Co., Ltd., has been deeply engaged in the securities and financial industry for many years. Through two processes of self-research and cooperative development, SSCC Cloud provides industry-specific infrastructure with a focus on security compliance, leading technology, and open ecosystem. SSCC Cloud offers IaaS, PaaS, and SaaS full-stack cloud services, as well as customized solutions for securities and financial institutions.

SSCC Cloud has a comprehensive and resource-rich IT infrastructure layout. With the Southern Information Technology Center as its core center, SSCC Cloud has established seven cloud computing centers in cities such as Dongguan, Beijing, and Shenzhen ,etc. It has achieved the deployment of core systems in two locations and three centers, with multiple distributed sites. Leveraging high-level IT infrastructure, SSCC Cloud integrates advanced full-stack PaaS capabilities with standardized and industry-specific APIs. SSCC Cloud addresses pain points in various business scenarios and provides diverse solutions covering production, disaster recovery, development testing, off-site business processing, and industry Al applications. It meets the multi-level IT construction needs of industry institutions and fully empowers the industry's digital transformation.

SSCC Cloud always adheres to principles of security and compliance, driven by FinTech innovation, and takes the responsibility of creating an open and win-win industry ecosystem. It has served over 500 institutions in 11 categories since 2013. With the coverage rate of 62% in the securities market and 70% in the fund market, SSCC Cloud has become the most dynamic and innovative cloud computing platform in the securities and financial industry.

More than 10 years' experience in SSCC cloud construction and operational management

CENTERS

7 Cloud Computing Centers

Services cover a wide range of 11 types of industry institutions

Cloud computing services offered to over 500 industry institutions

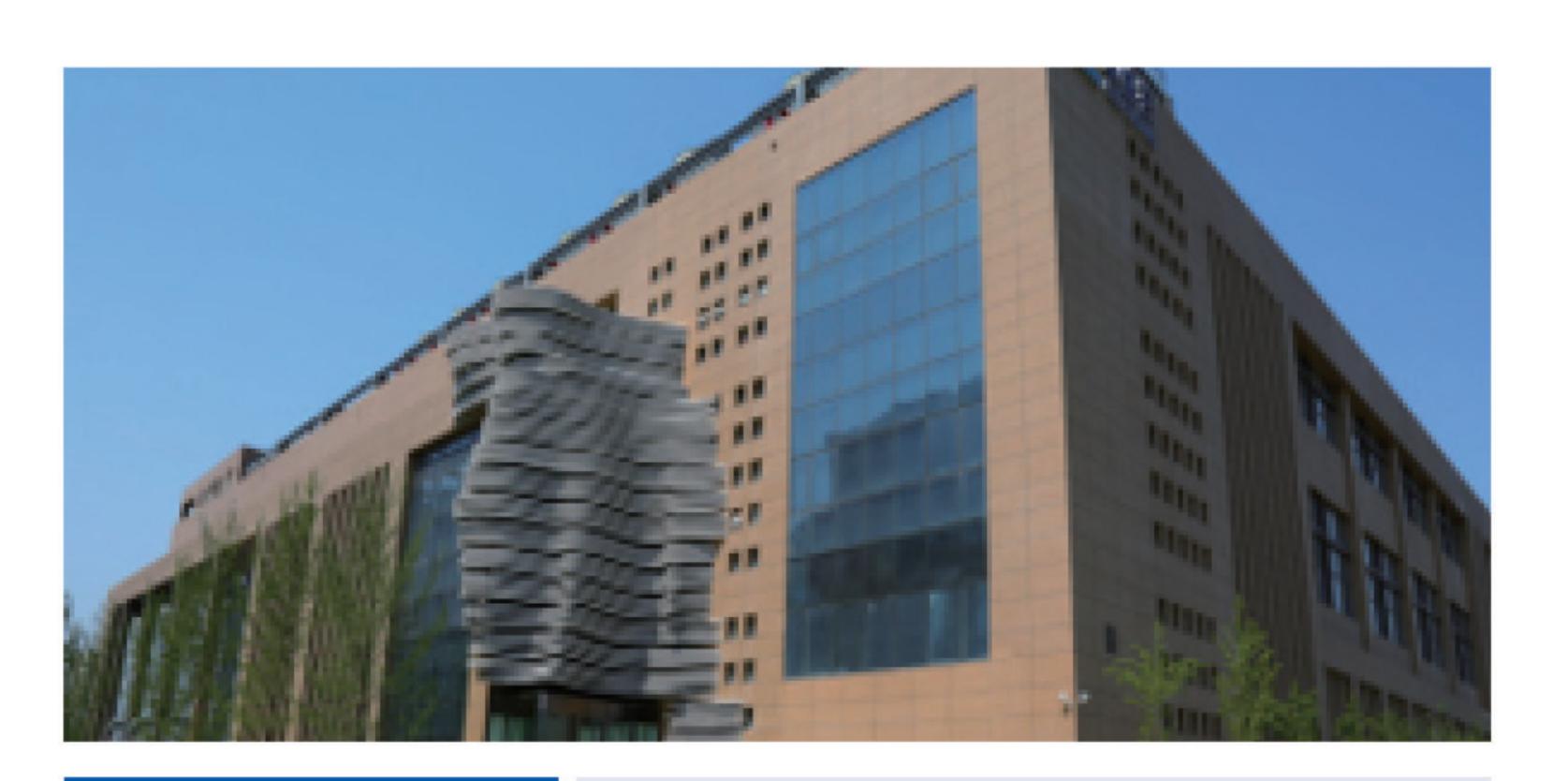
Northwest

Chongqing

Langfang (Suzhou Central Southern Information Technology

Infrastructure

Core systems deployed in two locations and three centers



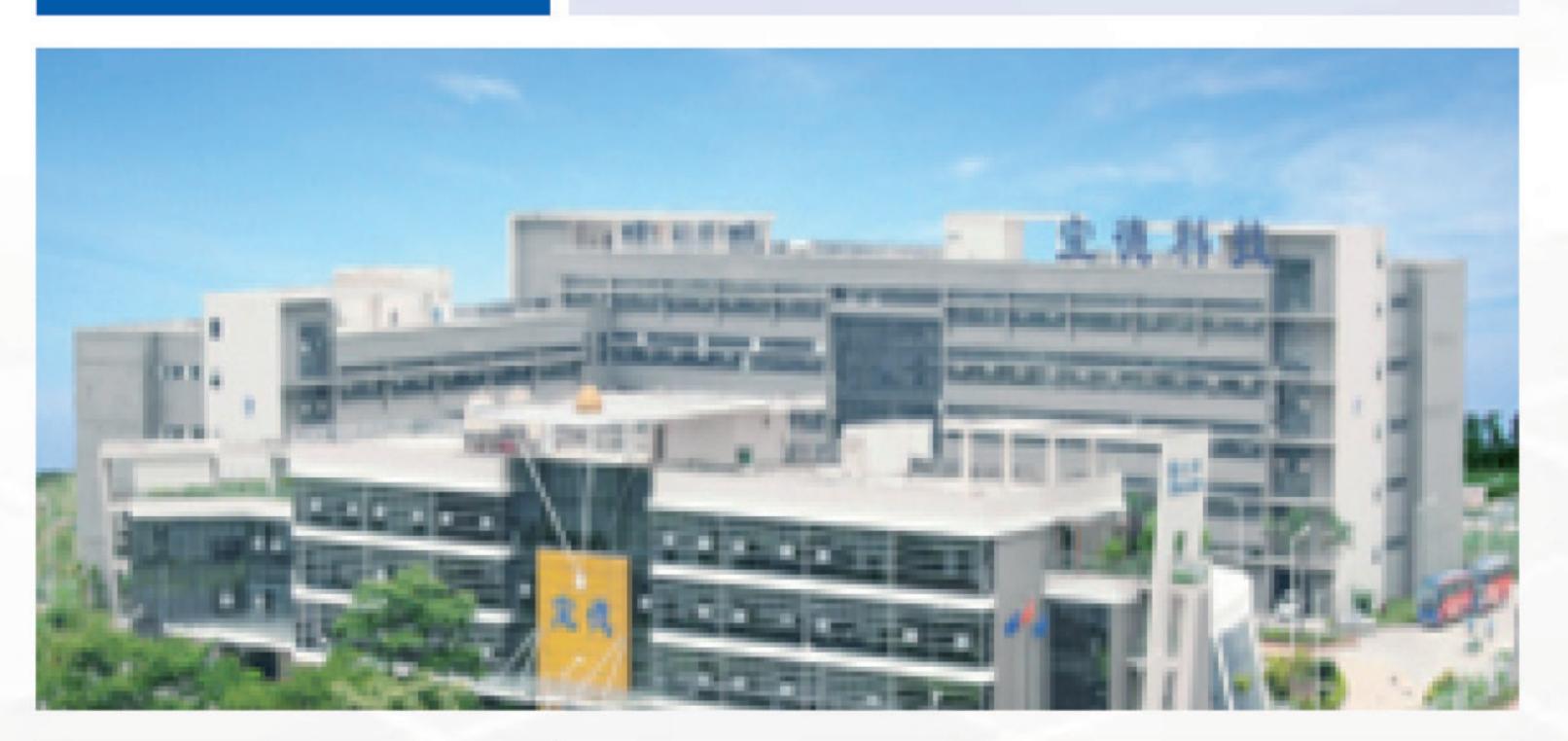
Beijing Data Center

- Uptime Tier III Certification
- GB-50174-2008 Level A Certification
- ISO9001/200000/27001/22301 Certification



Southern Information Technology Center

- Uptime Tier III/IV Certification
- ISO20000/27001 Certification
- CQC Certification



Shenzhen **Data Center**

- Uptime Tier III Certification
- National Level A Certification

P/**24**

60G Bandwidth

Platform Features

Industryspecific

 Industry-specific infrastructure

Security and Compliance

 Compliance guarantee In line with regulations Trustworthy and Impartial

Technology Leadership

 Full-stack technical capabilities Advanced functionality Industry-oriented

Open Ecosystem

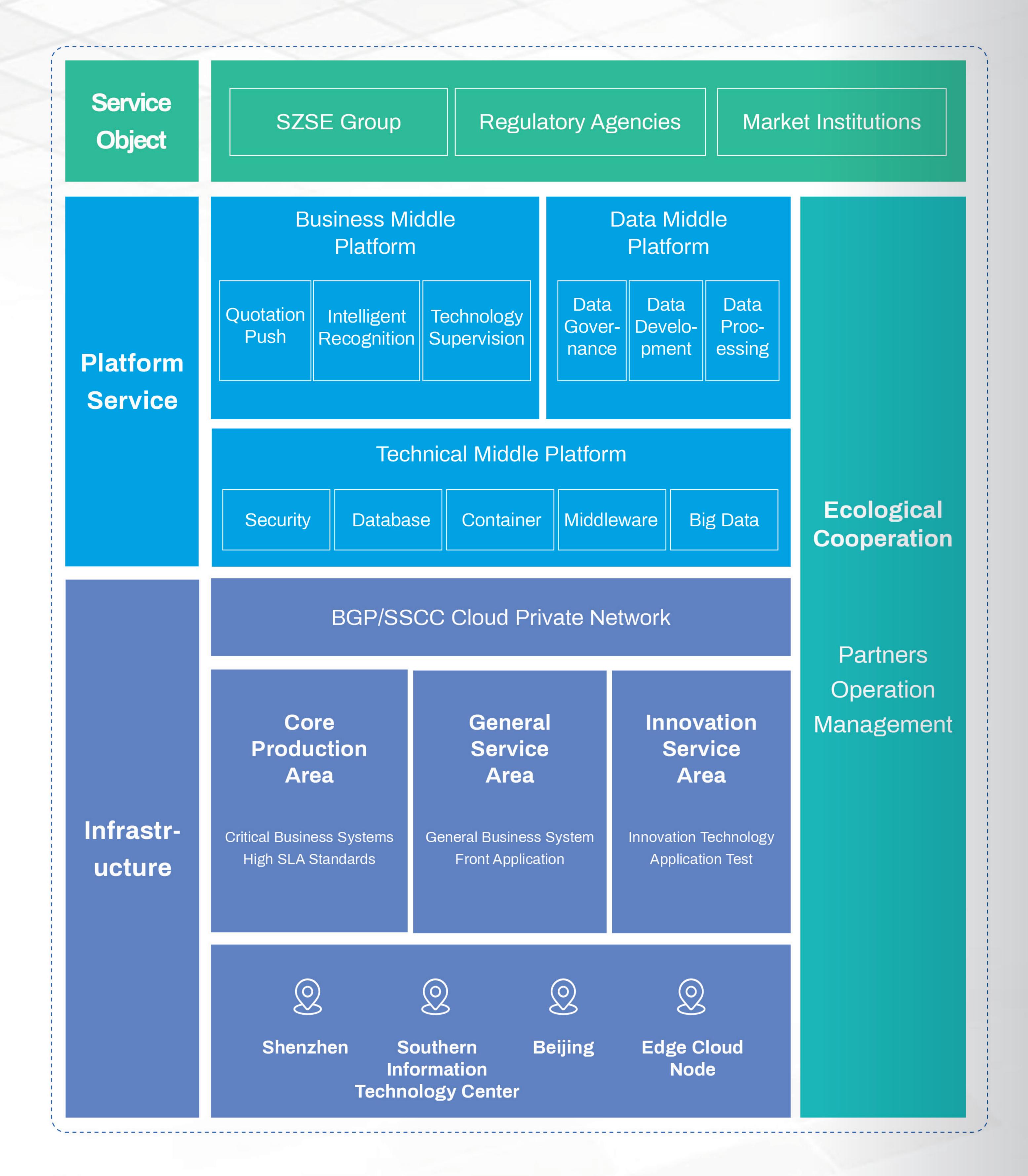
- Open for sharing
- Abundant vitality
- Symbiosis and win-win

In-depth understanding

of industry demands



Service Architecture



Service Middle Platform



Business Middle Platform

- Quotation Push
- Intelligent Recognition
- Technology Supervision



Technical Middle Platform

- Security Service
- Database
- Container

Big Data

Middleware



Platform

- Data Governance
- Data Development
- Data Processing

Situational Solution

Infrastructure Resource Outsourcing Service

Provide flexible and efficient infrastructure resources to meet the needs of financial market institutions for production, disaster recovery, development and testing.

Market Data Trading Service

Integrating premium market data sources from multiple markets and backbone internet resources to meet the online trading and market information needs of industry institutions.

Digital Operation Service

Integrating powerful AI capabilities to support online account opening, business processing, and intelligent customer service for industry institutions' online business operations.

Data Service

Using technology to empower compliance and meet regulatory demands for data submission and storage in industry institutions, based on regulatory policies.

Infrastructure Resource Services

IT Infrastructure Resource Outsourcing Service

For the business needs of public funds, securities, third-party fund sales, etc., SSCC provides industrial institutions with hosting cabinets, computing, storage, network and other infrastructure resource required to deploy their IT software systems; and the ISVs(independent software vendors) provide business system software and on-site technical support. Industrial institutions can finish business system configuration and operation easily through a dedicated line or Internet VPN accessed to the SSCC cloud platform.

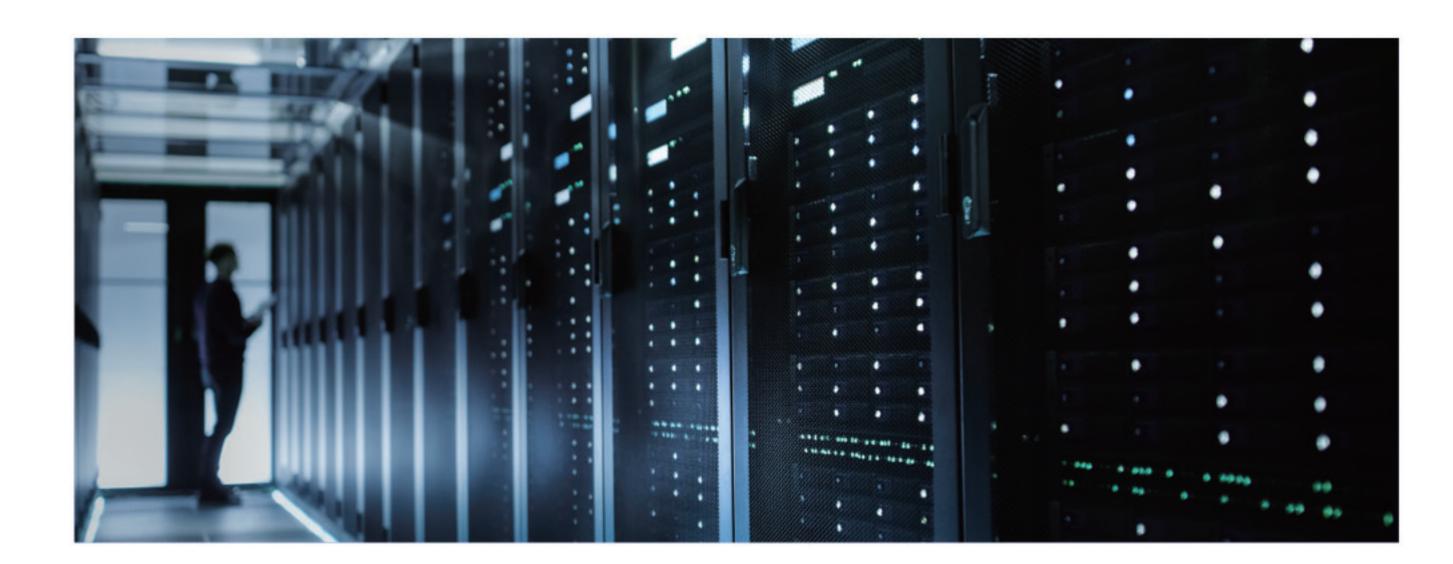


Application Scenarios:

- Public fund production system deployment
- Fund sales production system deployment
- Deployment of production systems for other securities and financial institutions

IT Infrastructure Self-Service

Gathering SSCC Cloud's rich industrial service experience and Tencent Cloud's advanced technical capability, SSCC provides industry institutions with elastic, efficient, agile, full-stack IT resources, and helps to achieve resource application, delivery, operation & maintenance in a self-service way through efficient cloud management system during the whole flow; in line with needs of the industry institutions' business agile development through customized scheduling resources and elasticity of use and payment, assist to promote the industry's digital transformation and explore innovative FinTech application.



Application Scenarios:

- Internet front-end application deployment
- Middle office system Deployment
- Development & test system deployment

Disaster and Recovery Infrastructure Outsourcing Service

On the basis of regulatory compliance and feasible disaster backup verification, relying on the high-level Southern Information Technology Center and Beijing Data Center, SSCC provides the industry institutions with the one-stop disaster backup solution, including disaster backup construction, disaster backup operation & maintenance, disaster backup switching rehearsal to the emergency system, etc. to assist industry institutions to build disaster backup centers in the same city or different cities with a short period of time and a low cost, to improve overall disaster recovery capability and security level of information system and effectively ensure business continuity.

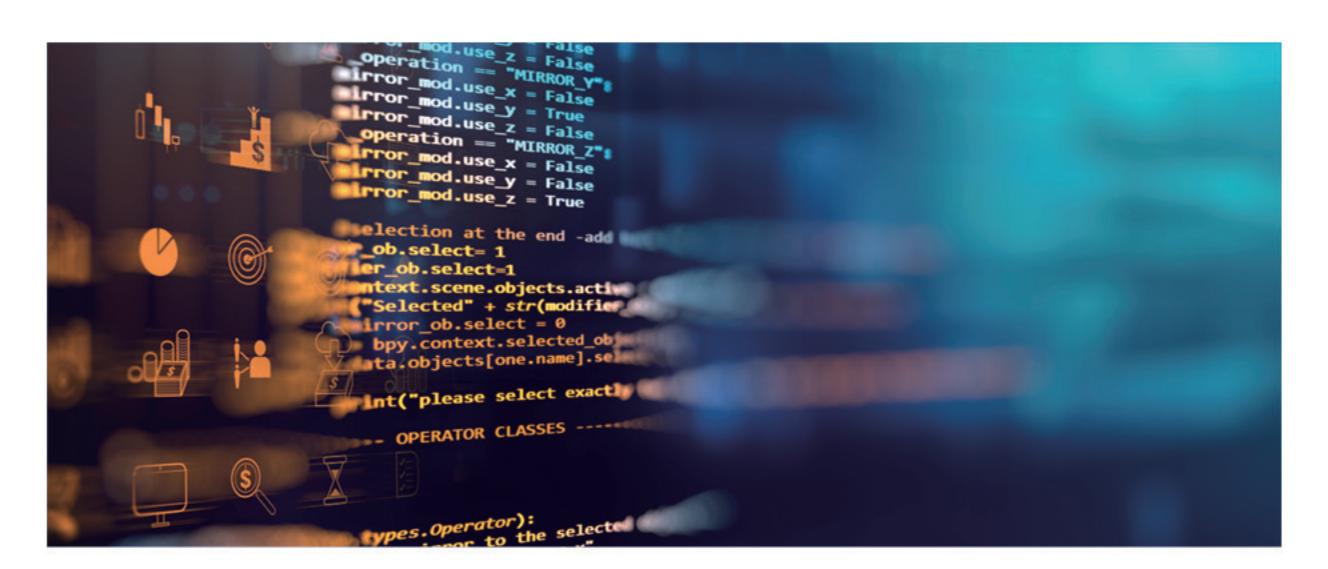


Application Scenarios:

- Application-level hybrid cloud disaster backup
- Application-level full-cloud disaster backup

Development & Testing Cloud Technology Service

SSCC integrates testing network resources of industry core institutions, and introduces Tencent Cloud's basic resource and rich testing tools to provide industry institutions with the one-stop development and testing management platform of self-serviced resource, agile development, industrial business function verification and simulation testing, and assist industry institutions to reduce development and testing cost as well as improve efficiency.

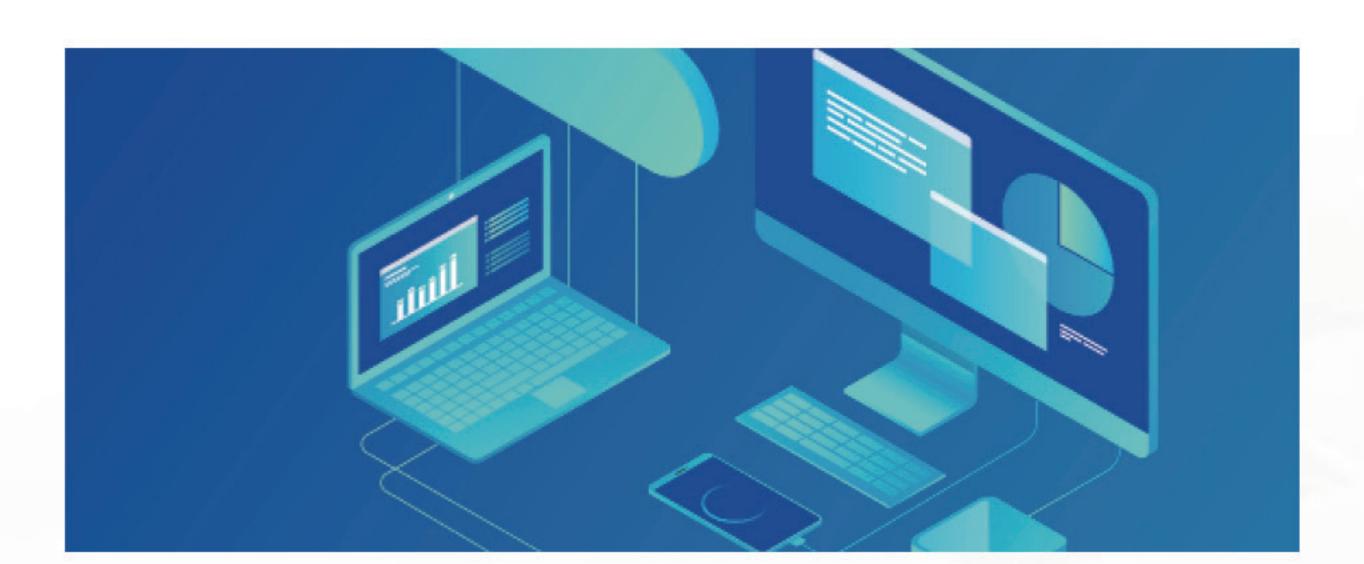


Application Scenarios:

- Business function testing
- Agile system development
- System regression testing

Securities Business Desktop Cloud Service

With utilization of advanced desktop cloud technology, as well as SSCC Cloud's secure and reliable operation capabilities, securities business desktop cloud service caters to the needs of industry business innovation, data security and risk management, providing securities institutions with a multiscenario and one-stop cloud-based solution.



Application Scenarios:

- Fund business
- Disaster recovery
- Intranet office
- Software developing and testing
- Securities firm intranet-to-extranet

Financial Dedicated Cloud Service

Safe, independent, flexible, reliable, autonomous and controllable IT infrastructure platform is tailored for securities and financial institutions, which carries the deployment and operation of production, disaster backup, development and testing and other core systems, supports own equipment installation, hybrid deployment, and also effectively meets the requirements of high-performance, data isolation and security compliance, to bring the "First Class" Cloud experience.



Application Scenarios:

- Production system deployment
- Disaster backup system deployment
- Development test system deployment

Security Service

In response to the needs of customers for network security, regulatory compliance, and information protection, SSCC provides security application services in a centralized resource pool format. Its services cover network and communication security, device and computing security, as well as application and data security. SSCC offers comprehensive protection throughout the entire information security life-cycle, from prevention to detection, to response, ensuring the secure operation of cloud-based information systems for customers.



Application Scenarios:

- Regulatory compliance
- Security operations and maintenance

Market Data Service

Market Data Cloud Service

Relying on the cloud computing infrastructure that covers nationwide key districts, SSCC fully leverages advantages of market data transmission and core institution communication access in Shenzhen Stock Exchange, gathers high-quality market data sources and securities market consulting data, and combines advanced technology tools and a superior internet access experience, thus establishing an all-in-one market data information service platform that caters to diverse needs of industry institutions, including convenient access, flexible data processing and quick deployment.



Application Scenarios:

- Online market data application hosting service
- Online trade application hosting service
- L-2 market data service
- Market data SDK application service

Digital Operation Services

Security Online Business Processing Service

Integrating Tencent Cloud's advanced audio and video as well as AI processing capabilities with ISV's off-site business systems, SSCC provides a comprehensive one-stop solution for securities and fund management institutions, including account opening and business development services. This solution effectively enhances the efficiency of online business processing and the level of security and compliance management.

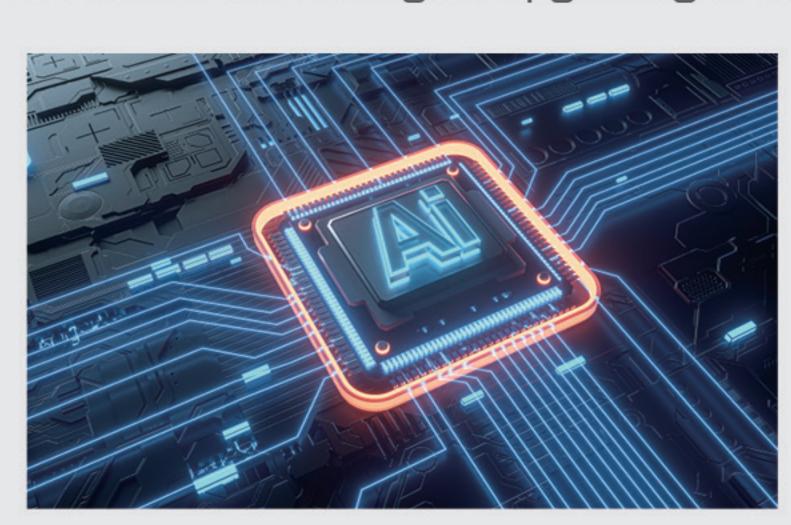


Application Scenarios:

- Intelligent account opening
- Business processing
- Operation management
- Intelligent marketing

Al Middle Platform Service

Focusing on the difficulties in implementing industry AI technology, SSCC integrates basic resources of SSCC Cloud and AI and audio-video processing capabilities of ISVs to provide industry institutions with technologically advanced and compliant AI middle platform solutions. These solutions facilitate the easy sharing of AI capabilities, empower business with rapid innovation, and accelerate the intelligent upgrading of industry institutions.



Application Scenarios:

- Identification authentication
- Compliance and quality inspection
- Al audio-video recording

Data Services

Industry compliance data submission service

Integrateing common resources required for data submission, providing secure, efficient, and cost-effective regulatory data submission services for industry institutions. The platform synchronizes with regulatory database to ensure the quality and compliance management of submitted data, supporting fully automated submission and customizable settings to assist industry institutions in achieving efficient submission work, reducing submission pressure, and promoting the automation level of industry data submission.

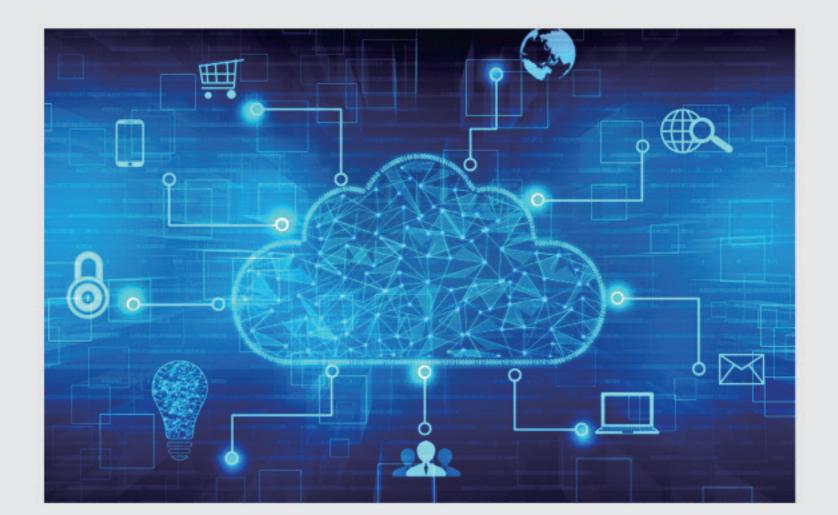


Application Scenarios:

- Asset management business data submission
- Fund sales agency data submission
- Securities investment consulting agency data submission
- Public fund investment advisory business data submission
- Fund manager data submission
- Security operation agency data submission
- Securities company branch data submission
- Publicly-traded securities investment fund data submission

Data Storage Service

Cloud storage service provides a secure, low cost, high reliable, and scalable solution for industry institutions to meet their needs of storing, managing, and utilizing massive and long-term data. Using multi-node and multi-copy technology, service is delivered as a client-side model, with the storage space allocated on demands and charged by usage. The data persistence rate reaches 99.9999%.



Application Scenario:

Long-term storage of core data

Network Financial Business



Connecting the Financial Ecosystem Co-building the Digital Future

The network financial business comprises two product lines: Financial Data Exchange Platform (FDEP) and Cross-Border Infrastructure.

FDEP, initiated in 2003, provides secure, efficient and convenient data exchange services for various financial institutions. The platform serves a wide range of headquarters-level financial institutions, including securities, funds, futures, banks, insurance, third-party financial sales, financial information services, and more.

It supports over 20 types of business activities, including third-party custody of securities margin, fund sales, electronic reconciliation of asset custody, investment transaction order routing, and more. With an average daily exchange of more than 2 million data files and more than 20 million message packets, FDEP has become a critical data exchange hub and data processing center in China's financial industry and capital markets, serving as the infrastructure for the data exchange market in China's securities industry.

The Cross-Border Infrastrusture product line, launched in 2012, relies on the Shenzhen Securities Communication Hong Kong Communication Node (SSCCNETHKPOP) to offer a comprehensive solution for cross-border financial data exchange and processing, aiming to facilitate the connection of domestic and foreign financial institutions.



Won the 5th China Securities and Futures Industry Science and Technology first prize.

9 Core Institutions

Encompassing 19 core institutions, including SZSE, SSE, CSRC, CSDC, CSF, NEEQ, CCDC, SSF, CSIS, etc.

Banks

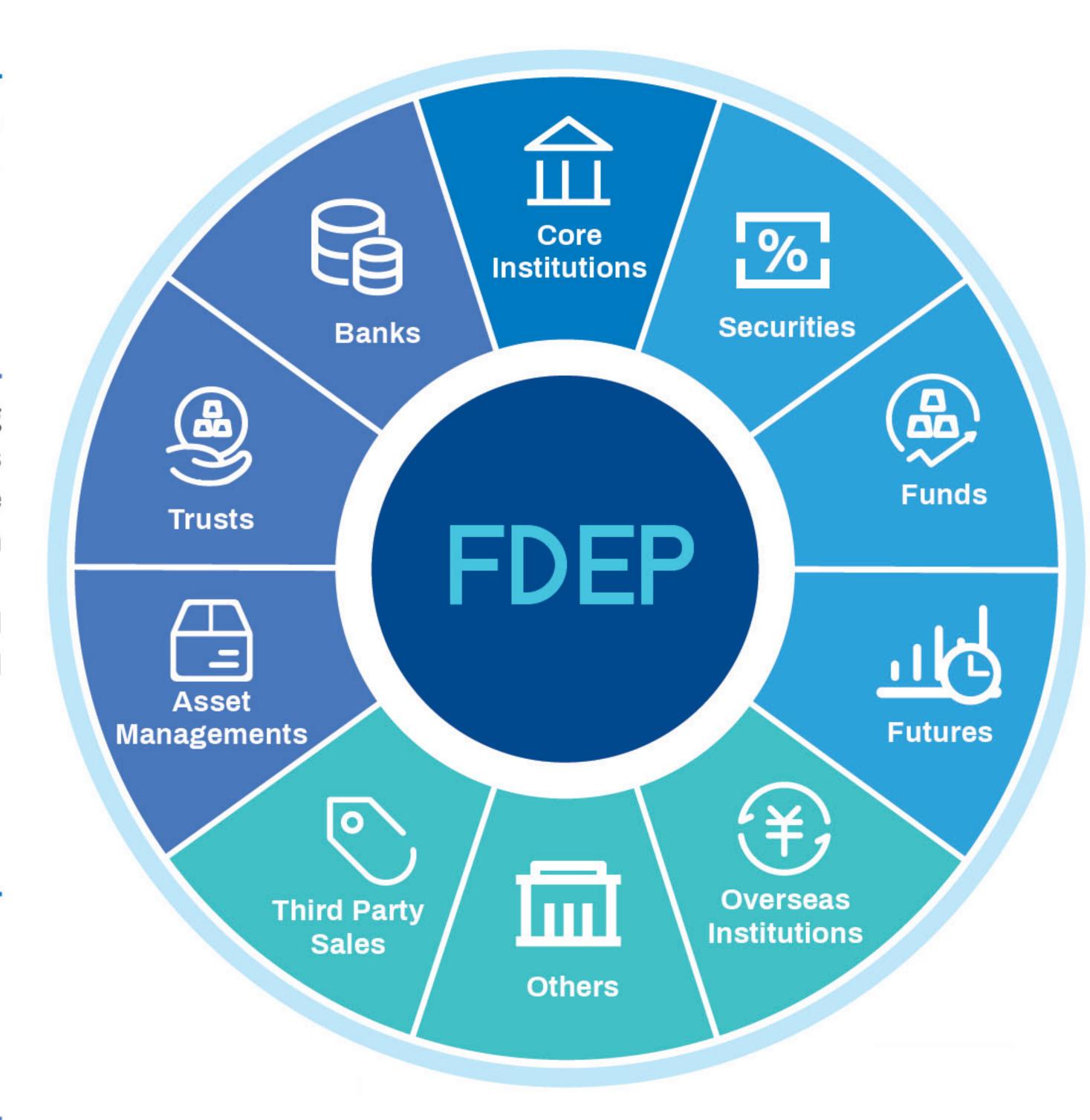
Encompassing 160 banks, including licensed securities custody banks and asset custody banks across the entire market, as well as 13 wealth management subsidiaries.

Additionally, it includes city commercial banks, rural commercial banks, and rural credit cooperatives.

Trust Companies

160 Asset Management Companies

Third Party Sales Companies



140 Securities Firms

Covering all 140 domestic securities firms. The business covers brokerage business, self-management, asset product custody, sales, etc.

40 Fund Companies

20 Futures Companies

100 Overseas Financial Institutions

Hong Kong Monetary Authority, 100+ Chinese and foreign securities firms, funds, and information providers. International service providers connect with Tradeweb, Blooming, NYSE, and SunGard.

Other Types of Institutions

40 Insurances

20 Financial Services

30 Private-equity Funds

Platform Strengths

Convenient, Efficient and Cost-Effective

- Once access, easily connect with the entire platform's users
- Once development, rapid deployment, and swift response to business needs
- One-stop solution for data exchange needs across multiple business and multi-peer Institutions, effectively reducing IT costs

Safe, Reliable and Trustworthy

- Advanced and comprehensive technological means
- Public trust neutral industry facility positioning
- Years of experience in safe operation

Platform Value



Ensuring Industry Information Security

With high-level security measures, our platform can effectively ensure the security of the financial industry.



Reducing Industry Operational Costs

We can reduce operational costs for financial institutions by avoiding redundant construction and investment in IT systems, significantly enhancing efficiency and reducing burdens for these institutions.



Promoting Industry Innovation and Development

We can provide strong support and protection for the business cooperation and innovation of financial institutions by constructing an open and mutually beneficial community ecosystem.

Platform Highlights

Financial IT Field

Dedicated to serving the financial IT field

1300 Institutions

Over 1300 Headquarters of financial institutions

33000 **Pairs**

Communication connections

20 Million **Packets**

Average daily exchange of messages

3000 Clients

Over 3000 clients running

1600GB Files

Average daily files transmission



Financial Data Exchange Platform (FDEP) Products

FDEP includes both a message transmission system and a file transmission system. The message transmission system is designed for secure and efficient message exchange between users within the connected system, and it is suitable for specific applications. The file transmission system, on the other hand, is used for transferring various types of files in non-real-time scenarios. It provides file transmission services based on various rules or protocols.

Message Data Transmission Services



Third-Party Custody

Application Scenarios

When securities firms and banks engage in third-party custody business for client margin deposits, they can utilize the FDEP platform to facilitate real-time transfer instructions and end-of-day reconciliation file transmission between the banks and securities firms.

Applicable Institutions

Securities Firms, Banks, Futures Companies.



Real-Time Subscription and Redemption of Funds

Application Scenarios

It provides the transmission service for real-time subscription and redemption instructions of fund products between distribution agencies and fund companies, which enables functions such as real-time account opening, real-time subscription and redemption, and real-time confirmation in fund subscription and redemption operations.

Applicable Institutions

Distribution Agencies: Securities Company Sales Agents, Bank Sales Agents, Independent Sales Agents.

Asset Management Institutions: Securities Management Companies, Fund Companies, Independent Asset Management Institutions.



Electronic Instruction Transmission for Asset Custody

Application Scenarios

It aims at achieving the full electronic and automated processing of daily asset reconciliation and fund transfer between asset management institutions and custodian institutions, which enhances operational efficiency, reduces manual labor costs, and mitigates risks.

Applicable Institutions

Asset Management Institutions: Funds, Bank Asset Management Departments, Bank Wealth Management Subsidiaries, and various types of Asset Management Institutions.

Custodian Institutions: Banks and Securities Company Custodian Departments.



Financial Institution Service Platform (FISP)

Application Scenarios

Providing connection and communication services with the FISP of China Securities Depository and Clearing Corporation Limited (CSDC) for institutional investors who engage in over-the-counter (OTC) investments so as to achieve electronic circulation and management services for OTC investment registration and settlement.

Applicable Institutions

Distribution Agencies: Banks, Securities Company Sales Agents, Independent Third-Party Sales Agents.

Asset Management Institutions: Fund Companies, Bank Wealth Management Subsidiaries, Securities Management Companies, Insurance Management Companies.

Core Institutions: CSDC



Personal Pension Fund

Application Scenarios

Providing connection and communication services with the Personal Pension Fund Industry Platform of CSDC for fund companies and distribution agencies that engage in personal pension fund business.

Applicable Institutions

Distribution Agencies: Banks, Securities Company Sales Agents, Independent Third-Party Sales Agents.

Asset Management Institutions: Fund Companies.

Core Institutions: CSDC



Bank Entrusted Wealth Management Business

Application Scenarios

We provide an integrated, visualized, automated, highly available, scalable, customizable, auditable, end-to-end solution for the middle and back-office operations of asset management companies and custodian banks.

Applicable Institutions

Banks Wealth Management Subsidiaries Bank Entrusted Institutions: Public Funds, Securities Company Asset Management, Insurance Asset Management, etc.



Securities Lending and Borrowing

Application Scenarios

Providing connection services with the core institution for market participants (securities companies and fund companies) who engage in margin trading business so as to achieve the transmission of securities lending and borrowing instructions.

Applicable Institutions

Core Institutions: CSDC CSFC.

Market Participants: Securities Companies, Fund Companies.

Files Data Transmission Services



File Transfer

Application Scenarios

We provide file-based data transfer services for financial market participants.

Applicable Institutions

All Financial Institutions



Open-End Fund

Application Scenarios

Using the public fund managers and distribution agencies feature in TA system of China Securities Depository and Clearing Corporation (CSDC), we can transmit and interact with CSDC for sales and clearing file exchange.

Applicable Institutions

Distribution Agencies, Fund Companies.

Order Transmission Services



Securities Company Settlement Mode

Application Scenarios

Providing data transfer services with the trading brokerages for asset management institutions such as fund companies who participate in securities company settlement mode business.

Applicable Institutions

Asset Management Institutions: Public Funds, Wealth Management Subsidiaries

Trading Brokers: Securities Companies, Futures Companies



Stock Index Futures Business

Application Scenarios

Providing the stock index futures business for trading securities firms such as various asset management institutions and futures companies.

Applicable Institutions

Asset Management Institutions: Public Funds, Wealth Management Subsidiaries

Trading Brokers: Futures Companies

Cross-Border Infrastructure Products

In 2012, SSCC established the SSCCNet-HKPOP, a communication node in Hong Kong, to provide communication access for various international financial institutions. This enables fast and cost-effective exchange and processing of business data between domestic and international institutions. The goal is to create a secure and reliable cross-border trading communication channel, enhance transaction efficiency, reduce industry costs, improve standardization and digitization levels, ensure the security of financial institution data, strengthen the country's financial infrastructure capabilities, and safeguard national financial information security.





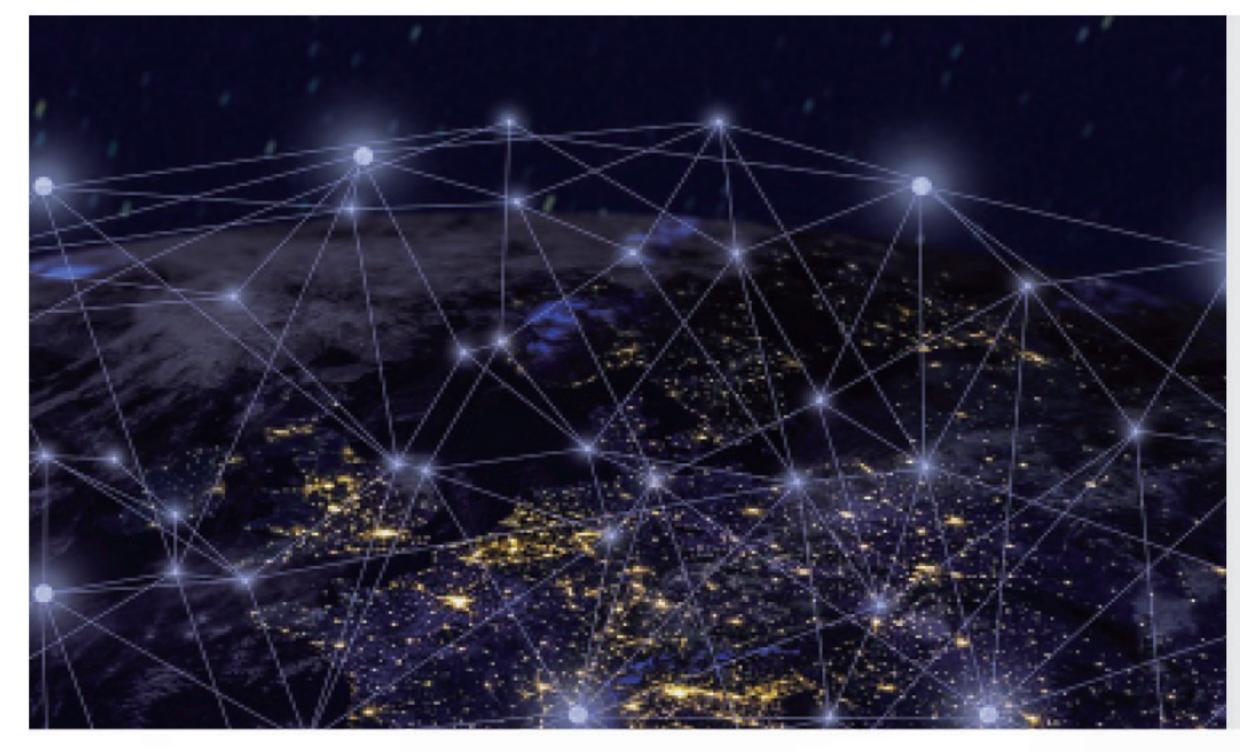
Hong Kong: Main and Backup Centers

Tseung Kwan O HKT/Chai Wan HKBN

Directly Serving Financial Institutions

50

We directly serve over 20 financial institutions, encompassing various types of companies, including domestic and foreign capital firms, traditional securities brokerages, internet-based companies, etc.



8 International Service Platforms

Official Institutions
The Central Money Unit (CMU) in
Hong Kong Monetary Authority
International Service Providers:
Tradeweb、Bloomberg、NYSE、
SunGard、Thomson Reuters、
Calastone、Clearstream

Indirectly Serving Financial Institutions

50

We indirectly provide services to more than 50 financial institutions in Europe and America through international service platforms.

Products Introduction



Mutual Recognition of Funds (MRF) Platform

Provide services including cross-border transmission of fund sales data, detailed share registration, nominee holding, cross-border fund settlement, information disclosure, etc.

Facilitating the integration of fund operations between Mainland China and Hong Kong fund markets, and promote the inter-connectivity of financial infrastructure between the two markets.



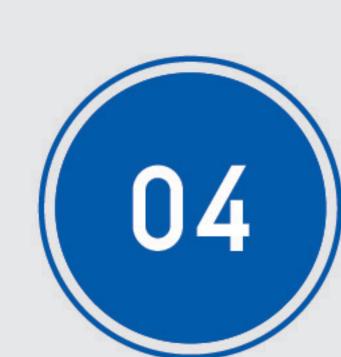
FIX Services Platform

Support the FIX protocol, connect multiple domestic and foreign institutions' platforms, and support various cross-border transactions such as QDII and QFII.



File Transmission Services (Hong Kong Version)

Provide secure and stable file exchange services for domestic and foreign financial institutions, support multiple types of file transfers, and use dedicated line access to connect approximately 1300 domestic and foreign financial institutions.



Real Time Messaging Transmission Services (Hong Kong Version)

Provide secure and stable message exchange services for domestic and foreign financial institutions, using dedicated line access to connect approximately 1300 domestic and foreign financial institutions, and achieve real-time transmission of investment and transaction related data between institutions.

Innovation Business

Innovation businesses are new technology applications and service model innovations that serve securities market-related institutions. This business line provides innovative blockchain applications, Shenzhen Stock Exchange IT Product Alliance(SIPA), and customized technical services, aiming to help industry in technology research, application, co-construction and sharing, and promote technology-empowered industry as well as innovation and development.

Blockchain as a Service

Provide securities institutions with innovative blockchain applications, including blockchain-based electronic data storage, electronic signing service, etc., to enhance the technology research and application of the securities institutions, improve the efficiency as well as promote the innovation and development in the industry.





Safe and Reliable

Efficient and Convenient



Blockchain-based Electronic Data Storage

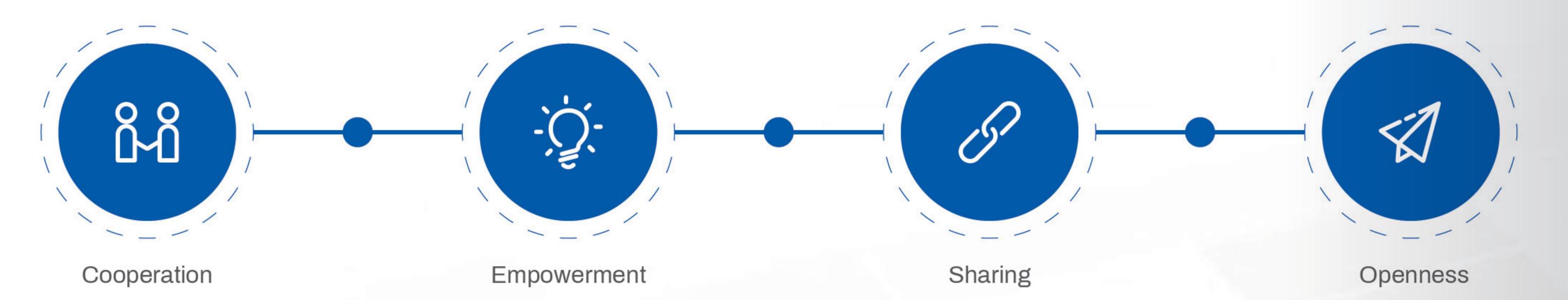
Provide securities institutions with the storage services of electronic data based on blockchain technology, which ensures that data will not be tampered with and enhances business security.



Electronic Signing Service

Provide securities institutions with safe, reliable, efficient, and convenient full-process services of electronic contract, including identity authentication, contract signing and contract management, which helps to reduce cost and increase efficiency.

Main Features of the Business





Shenzhen Stock Exchange IT Product Alliance (SIPA)

SIPA is an open, non-profit organization initiated by SZSE and operated by SSCC.

It aims to empower the industry and build an open and shared technology ecosystem through the establishment of an IT product exchange platform, based upon the co-construction and sharing mechanism.

SIPA Products

SIPA Products are provided by SIPA members, and are open to the entire industry or all SIPA members for use. SIPA has released four products: FINBUS, FINFALCO, RAMS and gRPC-Nebula.



FINBUS is a financial message bus independently developed by SZSE, providing message transmission services for distributed applications, with features of high performance, high availability, low latency, usability and scalability.



FINFALCO is an offline testing tool independently developed by SZSE, which is appropriate for counter systems/ market data systems to conduct the interface testing of trading business, with features of supporting full-platform services of SZSE and providing access standards of full-network

RAMS

RAMS is a support platform independently developed by SIPA member Soochow Securities, which aims to achieve the reliability, availability, maintainability, and security of securities information systems. It mainly features customized large screens, centralized operation and maintenance monitoring, business performance analysis, and integrated operation and maintenance, etc.



gRPC-Nebula is a service governance framework based on Google's native gRPC technology independently developed by SIPA member Orient Securities. It retains the multi-language, highperformance of the native gRPC framework, and provides complete service governance capabilities with micro-service governance functions such as service registration discovery, load balancing, service grouping, active and standby server switching, flow control, blacklist and whitelist, etc.

SIPA Members

SIPA is open to institutions related to the Shenzhen securities market including securities, funds, futures, banks, asset management, insurance, software developers, and information service providers.

SIPA members can participate in events organized by SIPA, use SIPA products and voluntarily share self-developed products with other SIPA members through SIPA.

Industry-related institutions are warmly welcome to join SIPA and jointly participate in the communication and sharing of IT products.