



CASE STUDY

Best network security solution from DYXnet x Sangfor for China State Construction International

Industry

Construction

Customer needs

- A secured network by protecting the construction sites and network devices in office against cyber-attack to ensure normal operation.
- Highly transparent network management.
- Local technical support without delays due to time difference for prompt troubleshooting.

Solutions

- DYXnet x Sangfor SD-WAN Solution

Core Benefits

- Enhanced network security with prompt troubleshooting and follow up
- Simplified network management with greater agility
- Fast and safe data flow
- Better network control with Orchestrator management
- Network quality monitored and capacity automatically optimized to enhance bandwidth utilization
- 24 x 7 proactive network monitoring

Customer Quote

“With construction sites increasingly reliant on internet connectivity for data access, team collaboration and document backup, a secure internet connection that can make instant detection of network problems and respond quickly is essential. China State Construction has tried solutions from different overseas providers but they often fail to solve the problem at once because of their lack of local technical support and time difference. With the use of the SD-WAN solution from DYXnet, it has greatly improved our operation efficiency. Not only does its local technical support, the solution and services are also cost-effective.”

— Vincent Chan –Network Manager,
Information Technology Department, China State
Construction International Holdings Limited



中國建築
CHINA STATE CONSTRUCTION

About China State Construction International Holdings Limited

China State Construction International Holdings Limited (CSCI) is an international construction and infrastructure investment conglomerate, one of the largest general contractors in Hong Kong and Macau, and a leading integrated urban investment operator in China's mainland. In July 2005, the Group was listed on the Main Board of The Stock Exchange of Hong Kong Limited (stock code: 3311.HK) making an array of remarkable achievements. As at the end of 2020, the Group had established a nationwide presence covering more than 70 cities in 23 provinces across China, having undertaken over 1,000 contracted projects in Hong Kong, Macau, Mainland China and overseas.

Business Challenge

CSCI has multiple branch offices and manages over 100 construction sites in Mainland, Hong Kong, and overseas. Due to the growing needs of digitization of its daily operation, the company is heavily rely on network solutions for internal data access, document backup, as well as collaboration and communication among different departments. In case there is any cyber-attack, it would seriously affect their daily site operations, which causes potential project delay.

In addition, though CSCI has set up firewalls earlier, the company is in lack of visibility as there is no local technical support. The administrator will have to communicate with multiple overseas technicians respectively when they encounter problem, which will be even harder with a time zone issue. As a result, problem-shooting cannot be done in a timely manner.

Tailor-made Comprehensive Planning

DYXnet introduced SD-WAN Solution and arranged for project design, consultation, planning, testing, and response follow up. We helped CSCI to integrate different platforms and subsidiary networks and form a complete intrusion prevention system. It can improve the network security system and make sure network problems can be spotted and solved immediately which can minimize the impact and avoid project delay.

DYXnet worked closely with Sangfor to design a new network security strategy consists of 100+ Sangfor next-generation firewalls NGAF, 3,000+ Endpoint Detection and Response (EDR) solutions, and Cyber Command, an intelligent threat detection and response platform. It is formed to provide CSCI with a network security architecture that links the entire process from IT to terminals to protect its 100+ construction sites and 3,000 endpoint devices in offices.

Through the 24 x 7 Network Monitoring for Proactive Fault Response and local technical support with 5G network, DYXnet monitors the network status of different CSCI branch offices with professional support and maintenance, ensuring the support services are not restricted by time and location.

In order to minimize the risk of denial-of-access attack, DYXnet's SD-WAN solution is equipped with proactive detection and prevention function which can discover the security issues in advance and respond in a timely manner. As a result, the ransomware and hacker can be stopped effectively. This solution covers different levels of security protection technologies, not only providing a security management system and fulfilling the operational management requirement, but also helps CSCI to maintain a better cyber security capability.

DYXnet's solution advantages – SD-WAN

- **Realize continuous risk assessment and effective risk management**
The solution covers security protection technologies at all levels of cloud, network, and endpoints, provides security management systems and operational management requirements. Helping CSCI to better implement cyber security capabilities, such as enhancing security response capabilities through incident management. DYXnet's SD-WAN solution also offers firewall, threat intelligence, cloud protection, application security, identity security and intrusion prevention, which helps protect against ransomware and hacker attacks, and meet the CSCI's security requirements to implement home office practice.
- **Centralized Management Platform**
DYXnet's SD-WAN service offers a comprehensive, single-pane-of-glass management platform for provisioning, monitoring and troubleshooting. It offers extended visibility and analytics capabilities that enable customers to monitor network performance. The solution can also indicate what kind of traffic and applications are being transmitted at any point of time. Additionally, detailed logging and native utilities are provided to facilitate troubleshooting and diagnosis.
- **24 x 7 Network Monitoring for Proactive Fault Response**
Our Network Operation Centre (NOC) provides proactive network device management, network monitoring and reporting services based on the CSCI's best practices, namely ISO/IEC 27001, ISO/IEC 20000 and ISO 9001. For your round-the-clock convenience, we also provide a 24x7 multilingual service desk.

Why DYXnet?

DYXnet provides CSCI with hundreds of VPN secure connections in Hong Kong, and has a network and technical team to provide technical support - installation and configuration are done within a tight timeline. With its excellent performance and cost-effective solutions, DYXnet has been endorsed by the market with a number of awards. DYXnet's Mainland operating company has been selected as the first official members of the China Cross-border Data Telecommunications Industry Alliance and the SD-WAN service standard drafting units. With extensive knowledge in China laws and regulations and relevant business licenses, DYXnet can assist CSCI by carrying out comprehensive network infrastructure planning and implementation to optimize their digital communication for better operational efficiency.

About DYXnet

Right from its establishment in 1999, DYXnet has been specialized in providing premier enterprise network solutions in Greater China. The Group delivers Multiprotocol Label Switching (MPLS), Software-Defined WAN (SD-WAN), Internet Access, Data Centre Services, and Network Security Solutions to over 1,700 enterprise clients via efficient provisioning capabilities in numerous cities throughout Greater China and the wider Asia-Pacific region. In response to the evolving needs of its ever-growing customer base, DYXnet enlarges its product portfolio to further deliver enterprise cloud and SaaS solutions.

With its outstanding performance in delivering secure, stable, and comprehensive network services, DYXnet Group is the first batch of ICT service providers in Greater China to obtain several ISO international certifications including ISO/IEC 27001, ISO/IEC 20000, and ISO 9001 that reinforce the high standards of its information security, IT service management, and quality management, respectively.



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