



Success Story

Zyxel Nebula Cloud Solution Delivered More Stable and Easy-to-Manage VPN Connection to Multinational Solar Power Company



Energy

INDUSTRY



Symbior Solar

CUSTOMER



Thailand

COUNTRY



Zyxel
Nebula
Solution

SOLUTION

Overview

Challenges

- Build a new easy-to-manage VPN connection between the head office and 12 solar sites spread across different provinces
- Need a reliable and futureproof VPN solution for future expansion
- Require strong customer support to solve technical problems

Results

- Trustworthy and future-proof VPN solution at a reasonable price
- Centralized multisite network monitoring with ease
- Stable and secure VPN connectivity with fewer technical issues

Solution

- Zyxel Nebula Solution

Summary

Symbior Solar is a multi-national PV power generation solution provider with multiple solar farm sites in Asia. The company faced a challenging configuration and suffered from lack of customer support. It required a replacement of the existing OpenVPN system with a more reliable and easy-to-manage solution. Since the company has been expanding, the solution needed to be scalable and future-proof. Zyxel's Nebula solution was selected because of Zyxel's reputation for VPN devices and great customer support. With the solution in place, network monitoring became much easier, allowing Symbior Solar to focus on growing its business without worrying about technical issues. The Nebula cloud solution gives customers peace of mind and good value.

Background

Based in Bangkok, Thailand, Symbior Solar is a multinational company with rich experience in development, financing, implementation and operation of state-of-the-art solar PV power generation installations in Asia. The company provides one-stop services of industrial, commercial and government rooftop solutions, ground-mounted power plants, and hybrid solutions, utility solar farms, and solar-battery hybrid installations. Currently, its services span across seven countries in Asia, including Thailand, Bangladesh, Mongolia, Indonesia, Malaysia, the Philippines, and Vietnam. The company has installed over 162,190 solar panels with 30,000 KW of power generated, 25,520 MWH energy produced and offset carbon of 5,000 tCO₂-e.

Challenges

Symbior Solar wanted to connect the head office with its 12 sites via VPN connection. They used an OpenVPN solution in the past and encountered difficulties in configuration. Symbior Solar felt worried about the lack of customer support for its OpenVPN system. They needed a reliable VPN solution to provide stable connectivity. They also required a futureproof solution to meet the needs of future expansion.

Solutions and Benefits

The company had to constantly send important data to the head office in real time, including energy production rate, energy consumption rate, and status of connected devices within the solar farm site. Stable and reliable connectivity to each solar farm site is crucial to the company. Symbior Solar decided to choose Zyxel's **Nebula Cloud Managed Security Gateways** to build the VPN connection for all 12 Solar farm sites. Because of Zyxel's strong local presence brand reputation and its extraordinary customer service and commitment to customer experience, Zyxel stands out from other competitors by providing reliable products and services to customers, and can effectively tailor-fit solutions to any problems.

The **NSG200 Nebula Cloud Managed Security Gateway** was used in the head office, and **NSG50 Nebula Cloud Managed Security Gateways** were deployed in the 12 sites for PPPoE and VPN connection to the headquarter site.

The Zyxel Nebula gateways are advantageous because of their easy setup and simple management. They feature zero-touch VPN connections, making it easy to establish VPN to keep branch locations securely connected. The VPN



connections can be configured easily with just a few clicks in the Nebula Control Center without complex VPN configuration steps. Any configuration made in the Nebula Control Center can automatically propagate to all the connected Nebula gateways. The Nebula solution can automatically pull policies and configuration settings, as well as security signature updates from the cloud without the need for on-site networking expertise.

The Nebula gateway can also provide effective network protection for important data and eliminate false positives by scanning multiple layers and protocols to inspect vulnerabilities.

The Nebula Cloud Networking Management solution provides an easy-to-use interface and management of Nebula connected devices. With the Nebula cloud solution, network monitoring becomes much easier. The growing solar power company now has peace of mind without having to worry about unstable connectivity, fixing technical issues, and can focus on expanding its business in different countries.

Products Used

NSG200 • Nebula Cloud Managed Security Gateway



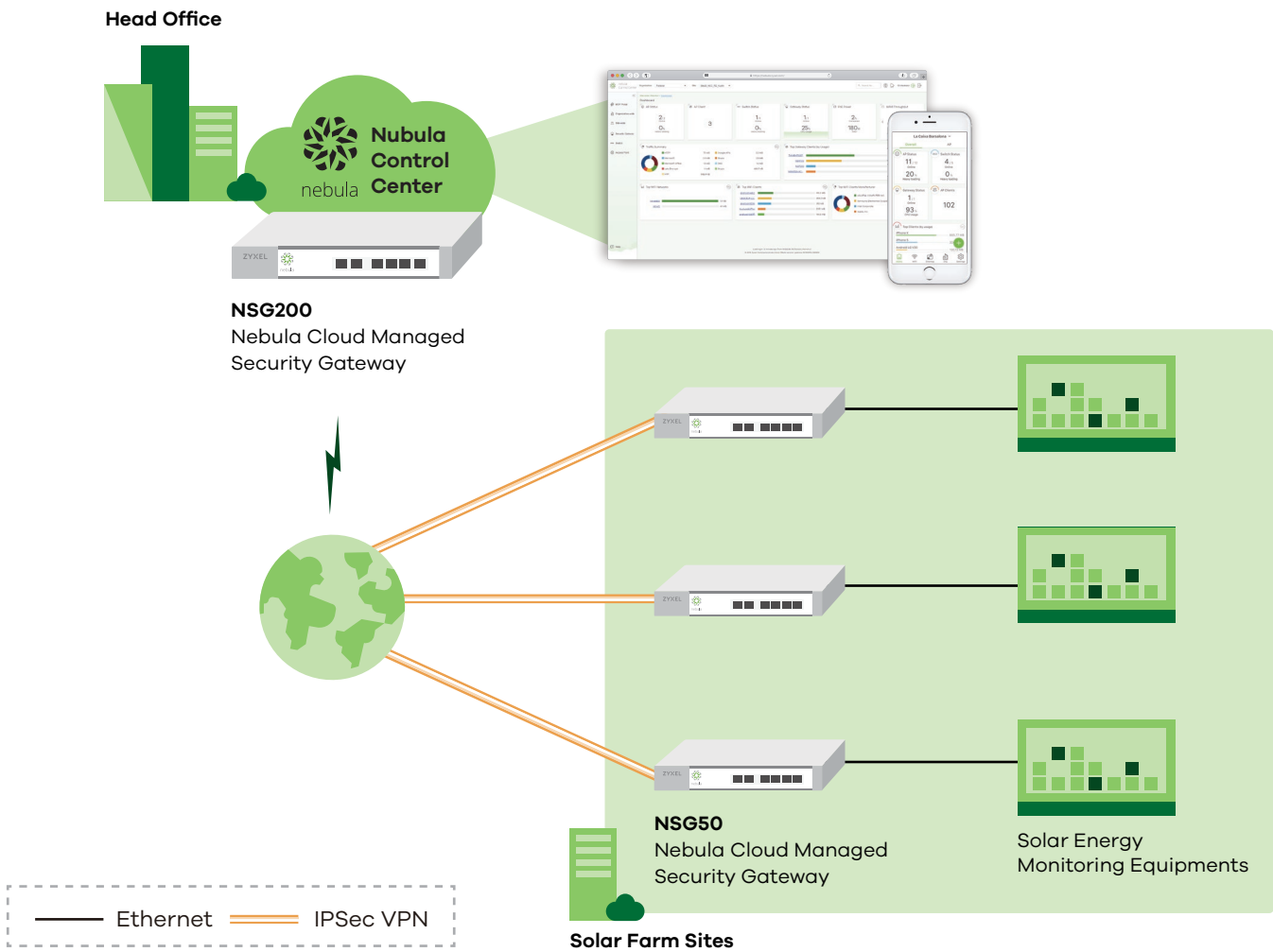
- Complete network, security, and application control from anywhere via the cloud
- Zero-touch site-to-site VPN
- Secure networks with IDP and Application Patrol, content filtering, and anti-virus
- Built-in DHCP, NAT, QoS, and VLAN management
- Static route and dynamic DNS support
- Identity-based security policies and application management
- Cloud management and cloud statistics
- 1250 Mbps throughput VPN & UTM, 4 x LAN (GbE), 2 x WAN (GbE)

NSG50 • Nebula Cloud Managed Security Gateway



- Complete network, security, and application control from anywhere via the cloud
- Zero-touch site-to-site VPN
- Secure networks with IDP and Application Patrol, Content Filtering, and Anti-Virus
- Built-in DHCP, NAT, QoS, and VLAN management
- Static route and dynamic DNS support
- Identity-based security policies and application management
- Cloud management and cloud statistics
- 300 Mbps throughput VPN & UTM, 4 x LAN (GbE), 2 x WAN (1x SFP, 1x GbE)

Diagram



About Zyxel

Focused on innovation and customer-centricity, Zyxel has been connecting people to the Internet for over 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for telcos and service providers, business and home users. Zyxel is building the networks of tomorrow, unlocking potential, and meeting the needs of the modern workplace — powering people at work, life, and play. Zyxel, Your Networking Ally.

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