SR SUNTOUR Cycling

Vietnam Bike Parts Maker Pedals to Perfect Surveillance with Superfast Site-to-Site VPN

Customer at a glance

Customer Name
SR SUNTOUR Cycling

Industry
Manufacturing

Location
Binh Duong, Vietnam

Customer Background

SR SUNTOUR Cycling is a leading bike components manufacturer, specializing in mid- and high-end aluminum alloy bicycle parts, including suspension forks, rear shocks, and seatposts as well as ebike motors, displays and chainwheels. Its factory in Binh Duong, Vietnam, is the largest of its four manufacturing sites, spanning 50,000 square meters.

SR SUNTOUR

"Network speed and stability improved significantly. Transmitting surveillance footage has gone from taking hours to minutes, and network management has become much easier, too."

Chang Junhao
IT Manager, SR SUNTOUR Cycling

Summary

In 2020, SR SUNTOUR Cycling faced government requirements for continuous surveillance of its entire Binh Duong factory and an offsite warehouse. This necessitated a high-performance site-to-site VPN to transmit IP camera feeds from the warehouse to the factory for storage on NAS devices. However, its network was not unified and was cobbled together from various brands – including some consumer-grade products – leading to poor network performance and difficult management. Like many factories needing to connect more network and extra-low voltage (ELV) infrastructure like surveillance cameras, the company found it difficult to manage many connected devices from different companies. It turned to eSafe360, a system integrator specializing in ICT and ELV infrastructure. After evaluating the case, eSafe360 knew Zyxel's solutions were up to the challenge. Zyxel's USG FLEX 500 and USG FLEX 100 firewalls were installed in the factory and warehouse respectively, creating reliable, high-speed site-to-site VPN channels to transmit the video feeds in real time and lag-free. GS1350 switches were used to connect and power the IP cameras to ensure uninterrupted camera feeds. "Zyxel's solutions have allowed us to easily unify the site's infrastructure and meet the customer's needs," eSafe360 CTO Faraday Huang said.

Challenges

- Ensure stable, lag-free data transmission of large amounts of surveillance footage between a factory and offsite warehouse
- Fix the poor performance and cumbersome management caused by the use of communication and ELV system equipment made by different brands

Benefits

- Enhanced work efficiency thanks to robust site-to-site connectivity
- Higher network speeds and stronger stability supported by unified infrastructure
- Worry-free network management due to responsive and professional technical support and planning

Products used

- USG FLEX 100/500 UTM Firewall
- WAX510D WiFi 6 Access Points
- GS1350 Series Smart Managed PoE Switch for Surveillance

Diagram

Factory
- WAX510D
- GS1350-26HP
- GS1350-18HP
- Surveillance
- LAN Network

Warehouse
- GS1350-12HP
- GS1350-6HP
- Surveillance
- LAN Network

USG FLEX 500

USG FLEX 100

Internet

Legend:
- ——— Gigabit
- Gigabit PoE
- ◄--► Device HA Pro