

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.



"Network speed and stability improved significantly. The new network ensures real-time surveillance, reduces footage backup time from several hours to just a few minutes, and makes network management much easier."

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 needed a high-performance site-to-site VPN to transmit IP camera feeds from the warehouse to the factory for storage on NAS devices. Like many factories needing to connect more network and extra-low voltage (ELV) infrastructure like surveillance cameras, the company struggled with managing numerous connected devices from various manufacturers. Its network was cobbled together from multiple brands, including consumer-grade products, resulting in poor performance and difficult management. 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, ensuring uninterrupted and low-latency real-time video surveillance. The switches are also powering WAX510D WiFi 6 access points, whose dual-optimized antennas provide fast and stable wireless network coverage. "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