Star Fortress

Zyxel Networks Renovates Hungarian Hundred-Year-Old Fortress's Network

Customer at a glance

Customer Name
Star Fortress

Industry
Tourism

Country
Hungary

Customer Background

The Star Fortress, part of Komárom's fortification system, was built in the 18th century as one of the Austro-Hungarian Empire's largest military installations in Central Europe. The fort has become a popular tourist attraction and was renovated as part of the Liget Budapest Project. The reconstruction and expansion will turn the fortress into a new multi-functional cultural center with a modern exhibition space encompassing more than 7,000 square meters. The new facility will carry out educational and instructional functions in the setting of a modern interactive museum with rich and exciting interactive programs for school groups and families.

Summary

Stable WiFi is essential for tourist destinations. For frequently visited sites and popular attractions such as Star Fortress, it is a basic requirement for visitors to be able to access information, stream, and even watch high-definition videos during their stay. The Star Fortress's renovation project needed seamless and secure wireless access at all points on the site while also protecting against internal and external attacks. The new network needed to ensure continuous operation of various internet-based devices such as telephones and security cameras. Zyxel's XGS4600 and XGS3700 L3 switches compose the 10GbE high-speed backbone network. XGS2210 L2 switches can provide great agility and effective traffic management for diverse VoIP, video conference, IPTV and IP surveillance deployments. The WAC6503D-S access points features smart antenna which can calculate ideal patterns for each individual client to enhance connection quality, and also mitigate interface from other wireless devices. Visitors are able to enjoy smooth and uninterrupted wireless access from anywhere in the venue.

Challenges

- Ensured the wireless access was seamless, available everywhere in the venue
- Built a network to protect against cyberattacks
- Support continuous, non-stop operations of multiple network devices

Results

- Visitors enjoy seamless and secure wireless connectivity from anywhere on site
- Fast and reliable backbone network supporting up to 10GbE connectivity speed

Solutions

- NXC2500 WLAN Controller
- WAC6503D-S 802.11ac Access Point
- XGS4600-32 L3 Aggregation Switch
- XGS3700-48/48HP L3 Access Switch
- XGS2210-28HP/52HP L3 Access Switch