ICS Milan International School

Empowering Italian International School with Future-ready, Intelligent Cloud Networking Solution

Customer at a glance

Customer Name
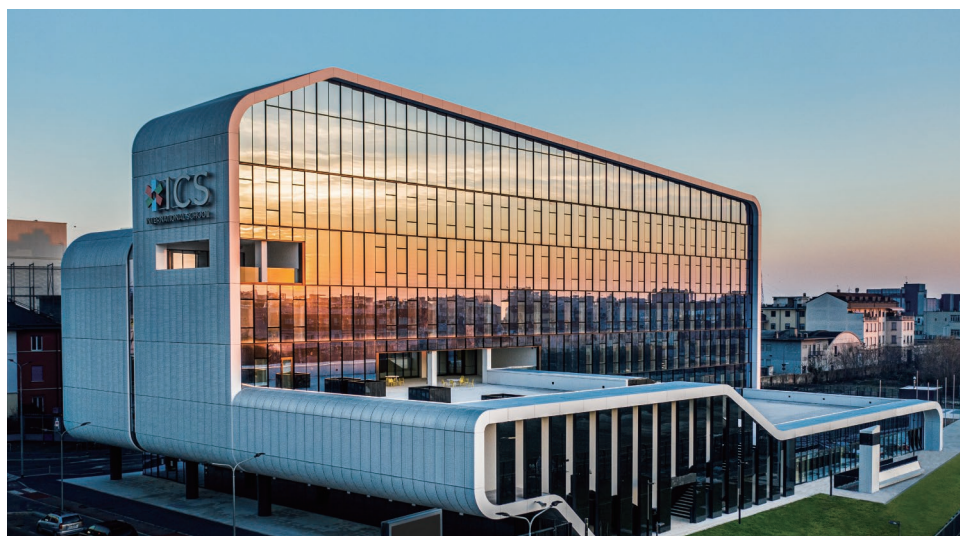ICS Milan International School

Industry
Education

Organization Size
950 students and 150 teachers

Location
Milan, Italy

Customer Background

ICS Milan International School pioneers international curriculum and innovative teaching exclusively for students aged 1 to 18. With a diverse student body comprising various nationalities and backgrounds, the school's mission is to nurture responsible global citizens.

"The project has been a tremendous success. One of the most significant hurdles was establishing a reliable and robust wireless connection capable of handling the daily load of a thousand WiFi-connected devices. We had to carefully select products tailored to the school's specific needs. Thanks to Zyxel's solution, the school now enjoys high performance and seamless coverage throughout all five floors of the building, effectively avoiding overload situations."

**Alessandro Pagani
IT Solutions Architect and Lead, ELEVA**

Summary

ICS Milan International School aimed to deliver an innovative teaching experience by refreshing its existing network. They sought seamless campus-wide coverage, accommodating numerous users simultaneously. Enhancing video surveillance, projectors, and conference systems was crucial, as was implementing a Layer 3 network for high performance. They desired a future-proof, user-friendly infrastructure with minimal maintenance. After a thorough evaluation, the school chose ELEVA as their reliable partner and opted for Zyxel's Nebula solution, which perfectly fulfilled their requirements. Nebula is a comprehensive cloud networking management platform that seamlessly integrates network switches, access points, and intelligent cybersecurity firewalls, allowing centralized management with enhanced visibility across all hardware devices. The school constructed a reliable network with an L3 aggregation switch in the basement and edge switches on each floor, connecting and powering devices. The improved infrastructure enhanced data transmission efficiency and optimized resource allocation, resulting in smooth learning experiences, enhanced video surveillance services, and improved overall network efficiency. Zyxel's Advanced Threat Protection Firewall, empowered with smart cloud intelligence, ensures comprehensive protection against cyberthreats, including future unknown attacks. Now, the school enjoys stable connectivity and future-ready infrastructure amidst evolving technology and requirements.

Challenges

- Support and manage wireless connections for a large number of users across the campus while ensuring cybersecurity protection
- Integrate various IT, security, and conference systems into a centralized network

Benefits

- Nebula provides an easy way to manage, monitor and configure all network devices
- ATP700 firewall ensures secure internet connections and network protection
- WiFi 6 access points offer high-speed network performance to students and teachers
- Robust network switches enhance network efficiency and reliability

Products used

- XS3800-28 L3 Aggregation Switch
- GS1920-24HP Smart Managed PoE Switch
- XGS1930-52HP Lite-L3 Smart Managed PoE Switch
- ATP700 Firewall
- NWA110AX WiFi 6 Access Point