



Success Story

Italian Theater Builds Centrally-Manageable and Secure Network with Zyxel Nebula Cloud Solution



Entertainment

INDUSTRY



CUSTOMER

Teatro
Eliseo



Italy

COUNTRY



SOLUTION

Zyxel
Nebula
Solution

Overview

Challenges

- Replaces discrete networks with a single, unified infrastructure
- Provides total wireless coverage
- Offers a secure environment for data transfer
- Reduces network communication delay

Results

- Allows for centralized management of network components
- Delivers full WiFi coverage across the theater
- Enables stable multisite network access
- Ensures a secure and resilient network in compliance with GDPR
- Provides high-speed data transfer of audio and video materials

Solution

- Zyxel Nebula Solution

Summary

Teatro Eliseo is a well-known performance center that has thrived for over a century. However, the time-honored theater desperately needed a high-speed, secure, and centrally-managed network for more efficient and reliable business operations. The answer? Zyxel's Nebula Cloud Networking Management solution, which allows all wired and wireless network devices to be centrally managed in the cloud. The simple, intuitive, and scalable network management system makes it easy for the theater's administrators to monitor their access points, switches, and security gateways. Every part of the theater complex—including the main hall, ticket office, and video production center—is seamlessly and securely connected. Zyxel has provided a dramatic wireless upgrade, ensuring the theater is able to deliver top-notch drama for another hundred years.

Background

Established in 1918, Teatro Eliseo, initially named Arena Nazionale ("National Arena"), is a historical venue where outstanding artists and performers can present their masterpieces. The hundred-year-old theater produces a variety of shows, such as operettas and comedies, and hosts many other cultural events, attracting numerous art and culture enthusiasts every year. Also, the theater houses a famous Italian restaurant and lounge bar, allowing patrons to combine culinary pleasures with breathtaking entertainment.

Challenges

Teatro Eliseo originally had three completely disconnected networks: one for the theater, another for its video production center, and a wireless network that was managed by a controller. To make matters worse, the wireless signal wasn't able to cover every part of the theater, making it hard to communicate with certain areas like the ticket office.

The ideal solution would involve setting up a unified network for both the theater and video production center. The production center, equipped with servers and printers,

The theater continues to implement interior cosmetic renovations and equipment upgrades to add modern touches to the historic building and enhance the viewing experience. It had already made a major investment into its network, but recently decided to completely upgrade its networking devices to achieve streamlined management and optimal wireless connectivity.

needed to house access points capable of delivering internet to the entire theater complex. In the coming years, Teatro Eliseo would also need to store a large amount of audio and video materials in its database. Therefore, the network infrastructure needed to support high bandwidth and low latency when transferring larger audio and video files

Solutions and Benefits

The theater chose Zyxel's Nebula Cloud Networking Management solution together with Nebula wireless and wired devices. Networking devices like Nebula access points can be centrally managed in the cloud through the **Nebula Control Center**: a simple, intuitive and scalable networking management system. The convenient interface allows administrators to quickly check all connected APs in one panel. Featuring Dynamic Channel Selection (DCS), Load Balancing, and Smart Client Steering, the solution provides stable, reliable, and faster wireless connectivity.

Previously, the wireless network had been managed using a WLAN controller. The Zyxel **USG310 Unified Security Gateway** was adopted to replace the controller, allowing users to manage APs via a centralized interface. It also made the wireless system more scalable and accessible to hard-to-reach areas like the ticket office.

In addition to the **USG310**, the **USG60** provides the theater with UTM features such as Application Intelligence, Content Filtering, Anti-Virus, Anti-Spam, and IDP, protecting

the organization's network, personal data, and critical resources from cyber threats. Most importantly, the Teatro Eliseo can remain confident that its robust security will always comply with the EU's General Data Protection Regulation (GDPR).

The PoE-capable **XGS3700-24HP/48HP** managed switches, which support 10GbE Uplink, deliver more than enough power and speed for the theater's database archiving. Since the switch also offers a high level of scalability and proven resilience, the theater's future networking and bandwidth capability will never be in doubt.

Thanks to Zyxel Nebula, Teatro Eliseo can guarantee secure, smooth, and optimized connectivity for both staff and guests.

Products Used

NAP203 • 802.11ac Dual-Radio, Dual-Optimized Antenna 3x3 Nebula Cloud Managed Access Point



- Cloud-managed dual-radio 3x3 MIMO 802.11ac AP
- Supports combined data rates of up to 1.75 Gbps
- Dual-optimized antenna allows pattern optimization adapting to wall- or ceiling-mount installations
- Self-configuration and zero-touch deployment
- Enterprise-class security and RF optimization
- Dynamic channel selection, load balancing, and smart client steering
- Ultra-slim, 32-mm-thick ID design blends into any modern decor

NAP303 • 802.11ac Dual-Radio Smart Antenna 3x3 Nebula Cloud Managed Access Point



- Cloud-managed, dual-radio, 3x3 MIMO, 802.11ac
- Supports combined data rates of up to 1.75 Gbps
- Smart antenna provides breakthrough performance
- Self-configuration and zero-touch deployment
- Enterprise-class security and RF optimization
- Dynamic channel selection, load balancing, and smart client steering

Nebula Control Center (NCC)



- Responsive web design and intuitive user interface
- Multi-tenant and multi-site views
- Role-based administrative privileges
- Real-time, historical monitoring and reporting
- Site-based auto and smart configuration tool
- Misconfiguration protection to prevent NCC disconnection
- Rich, site-wide management tools (dashboard, map, and floor plan)

XGS3700-24HP/48HP • 24/48-port GbE L2+ Switch with 10GbE UplinkPoint



- Physical stacking up to 8 units and 384 Gigabit ports
- Four 10GbE SFP+ uplink flexibility
- Internal and hot-swappable power supply design
- PoE model supports IEEE 802.3at with high PoE power budget up to 1000W

ZyWALL USG60 • Unified Security Gateway



- All-in-one Next-Generation Firewall for small businesses
- Complete network protection with Anti-Virus, Anti-Spam, Content Filtering 2.0, IDP, and Application Patrol
- Robust SSL, IPSec, and L2TP over IPSec VPN connectivity
- Unified security policy
- Cloud Helper makes firmware upgrades a breeze and ensure their authenticity and reliability

ZyWALL USG310 • Unified Security Gateway



- Unified Security Gateway Firewall for small and medium-size businesses
- Complete network protection with firewall, Anti-Virus, Anti-Spam, Content Filtering 2.0, IDP, and Application Patrol
- Unified security policy
- Cloud Helper makes firmware upgrades a breeze
- Device HA Pro ensures smart handover
- Hotspot management supported

About Zyxel

Focused on innovation and customer-centricity, Zyxel has been connecting people to the Internet for nearly 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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