



Success Story

Zyxel Nebula Cloud Networking Solution Enables Smart Navigation and Easy Internet Access at Italian Boat Show Venue



Expo

INDUSTRY



CUSTOMER

NAVIGO



Italy

COUNTRY



SOLUTION

Zyxel
Nebula
Solution

Overview

Challenges

- Deploy smart and efficient WiFi network infrastructure that can extend WiFi network outdoors
- Provide fast and secure network connectivity to all visitors

Results

- Established easy-to-manage and efficient network
- Provided high-speed and robust WiFi connectivity to boat show visitors
- Increased user satisfaction with optimal wireless coverage throughout the venue

Solution

- Zyxel Nebula Solution

Summary

NAVIGO, which provides consulting and matchmaking services for the yacht industry, wanted to offer wireless connectivity to the public at the popular Versilia Yachting Rendez-Vous boat show. Providing fast and secure Internet access in the crowded venue while creating a smart and efficient network infrastructure to connect devices within public areas would not be easy. The company's system integrator, OMNIA, chose Zyxel's Nebula Cloud Networking Management Solution to carry **out this challenging mission**. **The robust cloud management** platform coupled with cloud-managed switches and access points enable NAVIGO to deliver better scalability, capacity, and performance, meeting guests' access demands.

Background

Established in 2007, NAVIGO is among the first service centers to provide matchmaking services for the yacht industry, organizing business events such as boat shows. The company wanted to provide fast and secure network connectivity to all visitors attending the Versilia Yachting Rendez-Vous, which is a well-known spring event in the boating sector. The event highlights new watercraft models and technological innovations relating to boat

design and facilities. The exciting exhibition brings together a large number of visitors every year, including industry professionals, ship owners, naval officers, representatives of construction companies, and fans of the nautical world. The 2018 event attracted over 22,000 visitors and 170 exhibitors representing construction developers, accessory and component manufacturers, and boat-related services, among others.

Challenges

One of the largest boat shows in Italy, the Versilia Yachting Rendez-Vous attracts a large number of visitors, many of whom will attempt to access the internet. Business matchmaker NAVIGO wanted to install a smart and efficient WiFi network in the event venue to deliver high-speed and secure wireless network access. It is not easy to provide fast and stable

internet service with few interruptions while also ensuring the secure connectivity. NAVIGO also needed to provide intelligent and efficient management of network devices in the venue's outdoor areas.

Solutions and Benefits

NAVIGO turned to Zyxel local partner OMNIA, who provided consulting, installation and maintenance of hardware and software, including WiFi and surveillance systems. The system integrator sought to enhance its service quality while reducing environmental impact by implementing the latest technology.

OMNIA chose Zyxel's Nebula Cloud Networking Management solution to establish the network structure and provide seamless connectivity. The Nebula Control Center delivers centralized control and management of all wireless and wired Nebula devices through the cloud. Moreover, the Nebula solution provides a simple, intuitive and scalable network management system, simplifying administration of all the systems.

The four sectors of the venue were connected through the **NAP203 802.11ac Dual-Radio, Dual-Optimized Antenna 3x3 Nebula Cloud Managed Access Points**. OMNIA selected Zyxel's NAP203 access points for their high throughput, optimized RF performance, and robust design, deploying 15 of the APs to meet the need for reliable, high-speed wireless coverage. The APs feature the cloud-managed dual-radio MIMO 802.11ac wireless standard, and boast ultra-fast speeds of up to 1.75 Gbps. All compatible

devices can be centrally managed via the browser-based Nebula Control Center (NCC) platform.

The **Nebula Cloud Managed Switches NSW100 Series** and **NSW200-28** support pre-scheduling, making it possible to turn off the antennas at the end of the event or turn them on at the beginning. This helps optimize resources and efficiently manage devices. All Zyxel Nebula switches can be centrally managed from the Nebula Control Center. Administrators can adjust and automatically propagate settings to all connected Zyxel Nebula switches to streamline network provisioning.

The installation of Zyxel's USG1100 ZyWALL Unified Security Gateways further guarantees safe navigation, allowing access to authorized sites and blocking malicious ones.

With the solution now in place, the event organizer can provide perfect network coverage, allowing visitors and vendors to access the internet with guaranteed network connectivity and fast data transmission rates. NAVIGO commented that, "It's the only public WiFi service that works in our venue".

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

NSW100-10P • 8-port GbE Nebula Cloud Managed PoE Switch



- Optimized for quality voice and video traffic with 180-watt power budget PoE technology
- User-friendly ACL and VLAN configuration
- Intelligent PoE technology and network topology
- Supports Port Mirroring for network traffic monitoring
- Supports DHCP white list and IGMP snooping
- RADIUS, static MAC forwarding and 802.1X authentication

NSW200-28P • 24-port GbE Nebula Cloud Managed PoE Switch with 10GbE Uplink



- Optimized for quality voice and video traffic with high 375-watt power budget PoE technology
- Supports 10GbE uplinks to servers for high bandwidth network
- User-friendly ACL and VLAN configuration
- Intelligent PoE technology and network topology
- Supports Port Mirroring for network traffic monitoring
- Supports DHCP white list and IGMP snooping
- RADIUS, static MAC forwarding and 802.1X authentication

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 tools
- Misconfiguration protection to prevent NCC disconnections
- Rich, site-wide management tools (dashboard, map, and floor plan)

USG1100 • ZyWALL Unified Security Gateways



- UTM Firewall for medium- and large-sized businesses and campuses
- Anti-malware protection with Anti-Virus, Anti-Spam, Content Filtering 2.0, IDP, Application Protocol and SSL inspection
- Robust SSL, IPSec, and L2TP over IPSec VPN connectivity and VPN High Availability (HA)
- Unified security policy
- Device HA Pro ensures smart handover
- Hotspot management supported
- Facebook WiFi for intelligent social media authentication

About Zyxel

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