

# Success Stories

We help leading brands  
unlock their business potential

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# Hospitality

In the face of unstable networks and poor connection quality, the hospitality industry has been eagerly adopting new technologies to enhance operational efficiency and customer satisfaction. In terms of network management, restaurant and hotel chains need the capacity for rapid future expansion, so they are looking for infrastructure that is reliable and easily scalable. See how we're delivering value-added solutions to help them succeed.

# Palace Grand Hotel Varese



## Industry

Hotel



## Customer

Palace Grand Hotel Varese



## Country

Italy



## Solution

- [USG FLEX 700 UTM Firewall](#)
- [NWA1123-AC PRO 802.11ac AP](#)
- [WAC6503D-S 802.11ac AP](#)
- [GS1920v2 Smart Managed Switch](#)

“We’ve been most impressed by the Nebula cloud networking solution, especially how it allows you to check and manage access points, switches, and firewalls, and to deliver support in real time if necessary.”

Salvatore Piraneo  
Owner, PSoft sas



## Historic Italian Hotel Says Ciao to a Modern Wireless Network

### Summary

A historic building dating to the early 20th century, the Palace Grand Hotel Varese clearly wasn't designed for WiFi. Its six stories of thick brick walls severely limit wireless signals, but management knew it needed to deliver the speeds and stability expected in modern hotels – not just to guest rooms but meeting rooms and public areas, too. The hotel turned to its SI partner PSoft and they designed a complete overhaul. Zyxel's latest UTM Firewall, switches and APs not just met all the customer's needs but also comply with GDPR requirements. Now the hotel and its guests enjoy the day-and-night change in connectivity. Connectivity and network management problems is a thing of the past.

[Download PDF version](#)

### Challenges

- Improve poor WiFi coverage and connection quality caused by structural barriers, particularly thick walls
- Ensure high-quality wireless throughout the hotel, including high-density areas
- Provide efficient, easy-to-use network management that also meets strict security and GDPR standards

### Results

- Seamless WiFi coverage and stable connections both indoors and in a vastly expanded outdoor coverage area
- Enhanced guest experience and employee work efficiency without connectivity and network problems
- WiFi services provided to a total 19,000 guests during the peak summer season alone

# SotoGrande Katipunan



## Industry

Hotel



## Customer

SotoGrande Katipunan



## Country

The Philippines



## Solution

- [Nebula Control Center \(NCC\)](#)
- [NWA1123-ACv2 802.11ac AP](#)
- [VPN300 VPN Firewall](#)
- [GS1920v2 Smart Managed Switch](#)
- [XGS1930 Smart Managed Switch](#)



## Zyxel Nebula Solution Brings Best-in-Class Cloud Networking to New Condominium Hotel SotoGrande Katipunan

### Summary

The SotoGrande Katipunan is a newly constructed 16-story luxury condominium hotel with over 480 guest rooms. The hotel needed a robust networking solution able to cover the entire area of the hotel and allow concurrent device login for all guests and employees. The hotel used Zyxel Nebula solution to build their own cloud management system to easily solve their problems and streamline the network management. Besides, Zyxel's Hotspot Management software helped the hotel manage all the network hotspots from one place effectively. The software features advanced billing feature, and allows the hotel to specify certain sites or display advertisements. Check here for more details.

[Download PDF version](#)

### Challenges

- Hotel owner found it necessary to centrally monitor their network system, but it was not possible under the existing system
- The old system was hard to manage for their engineers and employees
- Replacement should be reliable and easily scalable for upcoming rapid future expansion

### Results

- A reliable cloud management platform that gives users detailed network monitoring and analysis in real time along with mobile apps for remote maintenance and accessibility
- More reliable guest WiFi access management and portal authentication
- User friendly GUI for hotel engineers and staff

# Tata Cha



## Industry

Restaurant



## Customer

Tata Cha



## Country

India



## Solution

- [Nebula Control Center \(NCC\)](#)
- [NWA1123-ACv2 802.11ac AP](#)



## Zyxel Nebula Solution Helps Tata Cha Prepare High-Quality WiFi Connectivity for Upcoming Fast Expansion

### Summary

Tata Cha is a new restaurant brand from the Tata Group, serving tea drinks and local specialty foods in India. When the ambitious restaurant was expanding their branches throughout the country, they were ready in everything except for their network connectivity. They wanted to establish a reliable and fast network to provide smooth WiFi connectivity to their staff and guests simultaneously. Zyxel Networks helped the customer to complete the installation with an easy-to-manage and cost effective solution. The solution was also scalable and futureproof to grow in line with their future business expansion.

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### Challenges

- Ensure reliable and fast connectivity with zero downtime in every corner of the space, which sees 3,000 customers a day
- The restaurant chain operates multiple branch stores in different locations, configuration adjustments are time consuming and network management of should be centralized

### Results

- Easy and fast deployment of the access points across different branches
- Efficient IT maintenance through central network management
- Happy customers with smooth WiFi connectivity and user experience
- Scalable solution that can be easily upgraded for future growth

# Köfteci Yusuf



## Industry

Restaurant



## Customer

Köfteci Yusuf



## Country

Turkey



## Solution

- [LTE3301-M209 LTE Indoor Router](#)

“The change was very obvious as soon as we started using Zyxel’s LTE 4G routers, as the network interruptions immediately stopped interfering with our operations. Even when an internet connection at a branch is down, we can still continue to communicate with them via the LTE connectivity. It’s exactly what we needed.”

Bahri Bayrak  
IT Manager, Köfteci Yusuf



## Fail-safe LTE Solution Dishes Up Uninterrupted Internet for Turkish Restaurant

### Summary

The restaurant chain Köfteci Yusuf had fixed-line internet for communication and daily operation between its branches and headquarters. However, the sudden outages that come with fixed-line networks were interrupting work, reducing efficiency, and causing headaches for staff and customers. In addition to offering WiFi to guests, the restaurants require a stable network to handle orders, process transactions, and communicate with headquarters, like by uploading stock and billing information to the cloud. 4G routers were the optimal solution, as they could provide backup internet whenever the main fixed line goes down. Here’s how we solve the customer’s problems with ease.

[Download PDF version](#)

### Challenges

- To stop network interruptions that affected its hundreds of restaurants scattered all over the country
- To find a solution that can be deployed easily and quickly

### Results

- LTE infrastructure takes effect wherever fixed-line internet service is disrupted
- Stable network connectivity ensures smooth, efficient operations for restaurant
- Secure communication between the restaurant chain’s branches and headquarters

## Foodservices



### Industry

Foodservice



### Customer

Foodservices



### Country

Singapore



### Solution

- [Nebula Control Center \(NCC\)](#)
- [NAP203/NAP353 Nebula Cloud Managed AP](#)
- [WAC6303D-S 802.11ac AP](#)
- [XGS4600 L3 Aggregation Switch](#)
- [GS1350 Smart Managed Switch For Surveillance](#)
- [XGS1930 Smart Managed Switch](#)

"Zyxel's equipment was easy to set up and maintain, reducing the IT department's burden. The stable connectivity and high-performance switches allow us to ensure high-quality WiFi services throughout the building and efficient surveillance network monitoring. We're satisfied with the new infrastructure and hope to work with Zyxel Networks, Datamux Technologies and Go Nimbus in the future."

Neo Kwok Siang  
IT Manager, Foodservices



## Zyxel Networks Dishes Up High-performance Data and Surveillance Network for Singaporean Foodservice Company

### Summary

Leading Singaporean foodservice and hospitality company Foodservices recently had an order of its own that needed filling: a centralized, easy-to-manage wireless and surveillance network covering every square meter of its six-story XPACE building. It was a tall order, with surveillance cameras on each floor, high ceilings, coworking spaces, and an expansive warehouse area that included a chilled section at temperatures as low as -30°C. And considering that high-quality WiFi was a key selling point for clients renting space in the building, seamless, super-fast connectivity for huge numbers of devices should not be compromised. Here's how Zyxel's Nebula solution delivered on Foodservices' requirement.

[Download PDF version](#)

### Challenges

- Provide high-speed WiFi across entire building, even at temperature of -30°C in the cold room
- Provide internet access to guests and tenants in the high-density environment with mixed of IoT devices, smart devices, mobile devices, and laptops
- Monitor and control data and surveillance networks centrally with ease

### Results

- Easy-to-manage wireless and surveillance networks deployed for the whole building
- Centralized system provides simplified configuration, easy management, and real-time monitoring
- Consistent high-speed wireless signal delivered across interference-prone warehouse seamlessly
- Robust network infrastructure supports uninterrupted data transfer and video feeds

# Monserate Sanctuary



## Industry

Tourism



## Customer

Monserate Sanctuary



## Country

Colombia



## Solution

- [Nebula Control Center \(NCC\)](#)
- [NWA1123-ACv2 802.11ac AP](#)
- [USG1100 UTM Firewall](#)



## Zyxel Delivers Seamless, Secure WiFi to Famed Hilltop Church in Colombia

### Summary

The Monserate Sanctuary is a popular religious attraction that sits on Monserrate Hill in Colombia's capital, Bogota. Long a symbol of the city, the church is on the must-see list of every traveler, receiving a growing number of visitors from around the world every year. And they've been bringing their phones, increasing demand for WiFi. Hunting a reliable WiFi solution capable of providing visitors and staff with fast and secure internet connectivity across the entire site, even during peak times, the church's administrators turned to Zyxel. This is how we delivered.

[Download PDF version](#)

### Challenges

- Provide fast, stable WiFi access that can handle high numbers of users at once
- Manage WiFi network by using multiple SSIDs
- Set up authentication to ensure secure connectivity
- Optimize bandwidth usage for better application control and management

### Results

- Constant a robust network for up to 1,000 simultaneous connections in a high-density environment
- Efficient application control and management for customizable employee privileges and access
- Robust and future-proof firewall that ensures network security and reliability
- Scalable, easy-to-use network infrastructure at an affordable price

# Star Fortress



## Industry

Tourism



## Customer

Star Fortress



## Country

Hungary



## Solution

- [NXC2500 WLAN Controller](#)
- [WAC6503D-S 802.11ac AP](#)
- [XGS4600 L3 Aggregation Switch](#)
- [XGS3700 L3 Access Switch](#)
- [XGS2210 L3 Access Switch](#)



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

### 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, and the new network needed to ensure continuous operation of various internet-based devices such as telephones and security cameras. Zyxel's switches construct the 10GbE high-speed backbone network, and the access points feature smart antenna which can calculate ideal patterns for each individual client to enhance connection quality, and mitigate interference from other wireless devices.

[Download PDF version](#)

### 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



# Education

Lockdowns are driving schools to upgrade their networks to provide uninterrupted and safe hybrid education. The transition poses challenges for most schools because their existing networks are prone to disruptions during distance learning, and they are unable to secure internet access for both online education and guest access. Schools also now require improved WiFi coverage and speeds to optimize the digital learning experiences in high-density campus environments. Here's how our technology is helping schools meet these unprecedented challenges.



## Industry

Education



## Customer

Guglielmo Marconi Institute



## Country

Italy



## Solution

- [USG FLEX 700 UTM Firewall](#)
- [WAX510D 802.11ax AP](#)
- [NWA5123-AC HD 802.11ac AP](#)
- [GS1920v2 Smart Managed Switch](#)
- [XGS1930 Smart Managed Switch](#)



## WiFi 6 APs and USG FLEX Security Gateways School Italian College in Network Coverage, Security

### Summary

The Italian college needed to upgrade its network on multiple fronts. Specifically, it needed to support more devices, better protect data security, and allow easier, centralized network management. The school adopted Zyxel's UTM firewall and wireless controller which give the institute's IT staff simple and secure centralized management of APs. The Nebula solution allows the staff to track traffic and manage authentications for both workstation PCs and wireless devices through captive portals. To ensure seamless, high-speed connectivity in every inch of the institute, WiFi 6 APs were installed in auditoriums and laboratories to ensure sufficient speeds and coverage in these higher-density environments.

[Download PDF version](#)

### Challenges

- Simplify network management as well as authentication for faculty and students
- Provide seamless high-speed wireless connectivity that is secure and GDPR-compliant
- Establish an efficient management system for internet traffic and application control

### Results

- USG FLEX firewall provides UTM traffic control and centralized management of all APs
- High-performance WiFi 6 APs deliver uninterrupted, fast connectivity which can be centrally managed and configured easily
- Smart-managed PoE switches with redundant network infrastructure ensure non-stop network continuity with speeds of up to 10G

# Samara State Medical University



## Industry

Education



## Customer

Samara State Medical University



## Country

Russia



## Solution

- [Zyxel WiFi 6 access points](#)



## Samara State Medical University Upgrades Network with Latest WiFi 6 Technology

### Summary

The leading Russian university's administrative building needed to provide access to visitors and required new equipment to prevent overloading the existing network. The university's goal was to create a single, resilient wired and wireless infrastructure. One of the key elements of building a digital campus is a wireless network based on the latest WiFi 6 technology. The school chose Zyxel Networks because their products met all the requirements for stable operation of access points, all connection schemes were clear, and the possibility of easy integration into the existing network structure. Besides, configuration and management of access points did not cause any problems.

[Download PDF version](#)

### Challenges

- Existing network infrastructure couldn't support large number of users at once and large-area coverage
- The network made it difficult to enable user authorization using domain accounts
- Looked for products enabling fault tolerance, VLAN support, deployment of multiple SSIDs, and integration into existing IT infrastructure.

### Results

- Seamless WiFi network coverage that is centrally-manageable via a single, wired and wireless network in the entire administrative building
- Dynamic load balancing for optimized resource management
- Easy network management without constant monitoring from IT staff

# Agora



## Industry

Education



## Customer

Agora



## Country

The Netherlands



## Solution

- [USG FLE X200 UTM Firewall](#)
- [NSG 200 Nebula Security Gateway](#)
- [GS1920v2 Smart Managed Switch](#)
- [NWA1123-AC PRO 802.11ac AP](#)

“We are equipping more and more schools and other institutions with Nebula and other Zyxel products. These solutions are taking our IT environment to the next level and helping us get ready for the post-Covid era.”

Joost Böhm  
Founder, IT-Guys



## Nebula Together Brings Tech-enriched Learning to 30 Dutch Schools

### Summary

With lockdowns driving the digitalization of education, Agora wanted to upgrade its network to enable cutting-edge learning solutions as well as to centralize the wireless network across its 30 schools. One silver lining was the pandemic helping IT-Guys, the system integrator, to accelerate the rollout, with the installation taking half a day per school. Everything is managed via the Nebula Control Center, providing a consistent user experience that increases efficiency, reduces on-site maintenance requirements, and minimizes network downtime. The schools now have highly reliable wireless infrastructure that optimizes their digital teaching and online learning experiences, and new updates set for summer are certain to be a breeze.

[Download PDF version](#)

### Challenges

- Install fast, reliable WiFi networks connecting 30 schools and for use by 700 staff and 7000 students, without downtime during installation
- Optimize the digital learning experiences of the students
- Provide secure internet access for both online education and guest access

### Results

- Nebula Control Center enables IT administrators to monitor and configure networks anywhere, anytime via web browser or smartphone
- Separated networks ensure safe and secure access for guests, students, and staff
- High-performance network guarantees high-quality learning experience and reliable future deployment

# 29 Mayıs Bornova College



## Industry

Education



## Customer

29 Mayıs Bornova College



## Country

Turkey



## Solution

- [ATP800 ATP Firewall](#)
- [XGS4600-32F L3 Aggregation Fiber Switch](#)
- [XGS2210 L3 Access Switch](#)
- [GS2220 L2+ Managed Switch](#)
- [WAC6103D-I 802.11ac AP](#)

“The support provided by Aybiltech Bilişim before and after sales is very appropriate. We plan to work with them for our new projects and prefer to use Zyxel's products.”

Bilal Selçuk BİRİCİK  
General Coordinator  
29 Mayıs Bornova College



## Zyxel Networks Helps Turkish College Realize Uninterrupted and Safe Hybrid Education

### Summary

Transitioning to hybrid education was a unique challenge for the Turkish college. The existing network was prone to disruptions during distanced learning and prompted the school to upgrade the entire infrastructure. The school enlisted the help of Zyxel Networks to modernize its network infrastructure, allowing students to access learning materials on campus or at home. The new network needed to provide enough bandwidth for high-quality and low-latency multimedia streaming. Thanks to Zyxel's high-performance wireless solution, the school upgraded the problematic network and now offers high-quality distance education for all four campuses.

[Download PDF version](#)

### Challenges

- Upgrade the unstable network that was disrupting distance education
- Increase network performance and provide enough bandwidth to support quality and low latency multimedia streaming

### Results

- Zyxel smart managed switches optimize traffic management with lower latency
- ATP800 Firewall safeguards the school with the latest network security technology
- Dual-optimized access points provide high-quality WiFi experiences through high-speed and uninterrupted connectivity



## Industry

Education



## Customer

RMUTT University



## Country

Thailand



## Solution

- [Nebula Control Center \(NCC\)](#)
- [NWA1302-AC 802.11ac AP](#)
- [NWA1123-AC HD 802.11ac AP](#)
- [WAC6552D-S 802.11ac Outdoor AP](#)
- [XGS1930 Smart Managed Switch](#)
- [GS1920v2 Smart Managed Switch](#)



## Zyxel Nebula Solution Helps Top Thai University Improve Network Performance and Teaching Quality

### Summary

With over 20,000 students and 1,000 faculty roaming its expansive, green campus, Rajamangala University of Technology Thanyaburi is one of Thailand's top colleges. Despite its dedication to fostering the next generation of innovators, the university found that its existing wireless infrastructure was hindering this mission when it came to its dormitory and business school. At the heart of the problem was the poor performance and difficult management of its access points. Fortunately, however, this is where Zyxel excels, and our Thailand team knew just what was in order. Download the PDF version and read on for the full story.

[Download PDF version](#)

### Challenges

- Boost weak and unstable WiFi connectivity
- Increase network coverage to cover entire campus, including outdoor areas
- Integrate the new infrastructure smoothly into the existing system

### Results

- Stable, fast internet services across the business faculty's offices, classrooms, and outdoor areas, ensuring high-quality teaching and user experiences
- Seamless connectivity throughout the school's dormitory and Faculty of Business Administration
- Centralized, easy-to-manage interface makes cloud networking a cinch for staff

# Boudica Schools Trust



## Industry

Education



## Customer

Boudica Schools Trust



## Country

United Kingdom



## Solution

- [Nebula Control Center \(NCC\)](#)
- [NWA1123-AC HD 802.11ac AP](#)
- [USG210 UTM Firewall](#)
- [XS3800-28 L3 Aggregation Switch](#)
- [XGS2210 L3 Access Switch](#)

“The network has become an important tool for both our teachers and students because technology helps us provide engaging and powerful learning experiences and content. The new network offers greater efficiency and security, especially implementing a new cloud-based web filtering software that controls the types of content that can be accessed by pupils. The new network system also creates better learning opportunities and standards, while reducing costs.”

Jonathan Lumb  
IT Manager, Boudica Schools Trust



## Zyxel Builds New Cloud-Managed, Faster and Secure Network to UK School

### Summary

The network has become an important tool for the 1,500 pupils and the teachers of Sprowston Community Academy looking to engage them with a first-class education. Also, the school wanted to ensure a safe learning environment, and installed the access control system to all entrances and exits. However, with increased demand for connectivity, the school's network proved particularly challenging with its low speed, which subsequently resulted in disruption to classes. With the help of Zyxel Networks, the school successfully completed the installation with Zyxel Nebula solution, high-speed network switches and security gateway with ease. Check here to know more details.

[Download PDF version](#)

### Challenges

- Problematic cabling infrastructure built on a mix of network backbone links
- All cabling running only 1 Gbps and sub-cabinets switched from previous cabinets causing bottlenecks
- Increased student and teacher demand for network connectivity resulted in a slow network

### Results

- Seamless digital teaching and learning experiences supported by the stable and high-speed network
- New 10GbE switches provided efficient data management and enhanced data transfer rate
- Easy network management with a high level of visibility of data and network usage
- Secure e-learning environment with cloud-based web filtering



# Healthcare

Health care organizations are embracing digital transformation to improve hospital operations and ensure patient safety in the wake of Covid-19. Even governments are building specialized infectious disease hospitals equipped with the most reliable technology to ensure full wireless coverage and continuous operations. Elsewhere in the industry, social-distancing measures have driven care centers for the sick and elderly to upgrade their wireless networks to ensure residents can stay in touch with their loved ones. Read on to learn how we're using networking technology to transform hospitals and care centers during these tough times.

# El Manantial Residence



## Industry

Healthcare



## Customer

El Manantial Residence



## Country

Spain



## Solution

- [USG FLEX 500 UTM Firewall](#)
- [WAX610D 802.11ax AP](#)
- [WAC6553D-E 802.11ac Outdoor AP](#)
- [GS1920v2 Smart Managed Switch](#)

“We’re very satisfied with the implementation and results. There’s now stable coverage throughout the facility, which guarantees the quality of video calls on different devices at the same time. The new network allows residents, their families, and healthcare professionals to access the internet and to communicate with each other with crystal clear video and audio quality.”

Esther Arozamena  
General Manager, El Manantial Residence



## Zyxel Network Helps the Elderly at Spanish Retirement Home Keep in Touch with Their Families

### Summary

For El Manantial Residence in Barcelona, the social-distancing measures necessitated by the pandemic hit care home residents hard. Its increasingly isolated residents’ video calls – now their only connection with family members – were plagued by dropouts and poor quality. The home’s management jumped into action, seeking an urgent upgrade to its wireless network. They wanted a futureproof solution that could provide smooth communications simultaneously to a large number of diverse devices or the upcoming new network equipment. With Zyxel’s solution in place, any number of residents can now enjoy life-enriching high-quality video calls with family and friends from anywhere in the facility.

[Download PDF version](#)

### Challenges

- Expand network coverage and accessibility to all areas of the residence
- Improve network stability and quality to support high-quality video calls
- Guarantee the security of network connections

### Results

- Nebula Cloud Networking solution ensures stable connections and wide coverage sufficient for numerous video calls from anywhere in the residence
- Residents can see and interact with their family whenever wherever they want, almost as if they were in the same room
- Futureproof network allows fast and secure communication on large numbers of devices

# Zangiota state hospital



## Industry

Healthcare



## Customer

Zangiota state hospital



## Country

Uzbekistan



## Solution

- [ZyWALL 310 VPN Firewall](#)
- [XGS4600 L3 Aggregation Switch](#)
- [GS2220 L2+ Managed Switch](#)
- [GS1920v2 Smart Managed Switch](#)



## Zyxel Gets Uzbekistan Covid Hospital's Network Up and Running

### Summary

The Zangiota state hospital in Uzbekistan not only needed to be completed rapidly but its medical equipment and other IT systems needed to be unified as a single network, which would require integrating the already deployed optical network. Speed was also critical. The new network demands data rates of 1 to 10 Gbps. Zyxel's VPN firewall connects the hospital's three buildings and ensure encrypted communications, while Zyxel switches were used to construct the network's hierarchical structure for a secure, high-speed, and resilient network. The switches connect various devices into a single platform, allowing easier device and bandwidth management.

[Download PDF version](#)

### Challenges

- Plan and install new infrastructure able to provide high speed and high reliability and that can connect to the existing complex optical network
- Connect all hospital equipment and systems via a single network
- Meet tight delivery and deployment deadlines

### Results

- All infrastructure unified into a simplified, centralized, easy-to-manage network
- 10G speeds enable fast, low-latency data transfer
- Fast deployment and reliable service allowed hospital developers to meet construction schedule

# Salekhard and Novy Urengoy City Hospitals



## Industry

Healthcare



## Customer

Salekhard and Novy Urengoy City Hospitals



## Country

Russia



## Solution

- [VPN300 VPN Firewall](#)
- [XS3800 L3 Aggregation Switch](#)
- [XGS3700 L3 Access Switch](#)
- [NWA5123-AC HD 802.11ac AP](#)

“Thanks to the fast delivery of the equipment, we had ample time left for additional testing of the entire system and the elimination of bottlenecks. We had experience in implementing complex projects using Zyxel equipment, and that, coupled with the quick delivery, allowed us to calmly implement the project and smooth out all potential problems.”

Valentina Hovhannisyan  
General Director, Formula Security



## Zyxel Moves Fast to Support Newly Built Covid-19 Hospitals in Russia

### Summary

Soon after the Covid-19 pandemic reached Russia, the country began building specialized infectious diseases hospitals. Constructed in mere weeks, these modern, high-tech facilities – like those in Salekhard and Novy Urengoy – are equipped with the latest medical and computer technology, and as such require reliable wired and wireless network infrastructure. The hospitals needed highly secure local network infrastructure for medical and computer equipment as well as to provide full wireless coverage. Zyxel's solution offers seamless wireless connectivity for everyone throughout the hospitals, ensuring the hotel staff and patients can access critical information and contact loved ones whenever they need to.

[Download PDF version](#)

### Challenges

- Create a secure, high-performance network for medical and computer equipment from scratch
- Ensure full wireless coverage accessible throughout every part of each facility

### Results

- Seamless, secure wireless connectivity for hospital staff, visitors, and patients
- Quick product delivery and deployment of cutting-edge network infrastructure that meets the hospitals' urgent needs

# LODE



## Industry

Healthcare



## Customer

LODE



## Country

Belarus



## Solution

- [XS3800-28 L3 Aggregation Switch](#)
- [GS1920v2 Smart Managed Switch](#)
- [GS1200 Web Managed Switch](#)
- [USG110/USG310/USG1100 UTM Firewall](#)
- [NWA5123-AC HD 802.11ac AP](#)
- [NWA1123-ACv2 802.11ac AP](#)
- [LTE3202-M437 4G LTE Indoor Router](#)

"The equipment should be easy to configure, support stacking and channel aggregation, and have sufficient bandwidth for our tasks. The combination of price and quality is also essential. We chose Zyxel's solution because it fits our needs perfectly, and we're happy with the result. Besides, we had a positive experience with Zyxel Networks, so we have high trusts in its products and services."

Dmitry Bezyma  
Head of IT Department, LODE



## Leading Belarus Medical Center Creates Failure-proof and High-efficiency Network Across Branches

### Summary

The Belarus medical center LODE faced with poor fault tolerance and scalability of its network infrastructure. The existing network infrastructure was unstable and suffered from a low network speed of only 100Mb/s. The company's management decided to completely modernize the network to support ongoing development. The company's new system was constructed with Zyxel security gateways, VPN firewalls, smart managed network switches and access points, ensuring network scaling and stability. The new solution made it easy to connect to a new branch at higher speeds and provide smooth WiFi to multiple devices with low latency. For example, it only took two seconds to transfer 20GB data to the storage system.

[Download PDF version](#)

### Challenges

- The existing infrastructure was not scalable and suffered IP address pool shortage
- The equipment was unstable with frequent failures and not centrally managed
- To renovate outdated network with low speed of 100Mbps and increase its bandwidth

### Results

- Reliable and scalable network infrastructure that can support its growing demands
- Centralized network management and redundant system structure to ensure continuous operation and responsive failure recovery
- Enhanced bandwidth to ensure high-speed and smooth data transfer



# Entertainment

From gaming companies to sports and entertainment venues, businesses in the entertainment field all require strong, uninterrupted connectivity to satisfy their customers. Wireless networks are the clear-cut solution, and when it comes to the ballooning bandwidth demands of modern users, WiFi 6 delivers ubiquitous and unrivalled coverage for mobile device users. To ensure ultra-high reliability, LTE serves as a backup in the event that wired connections are interrupted. Check out how we're helping our customers unlock their business potential and provide the ultimate entertainment experience.

# Anvio



## Industry

Entertainment



## Customer

Anvio



## Country

Russia



## Solution

- [GS1900 Smart Managed Switch](#)
- [WAX510D 802.11ax AP](#)
- [WAX610D 802.11ax AP](#)

“We're glad to have fully achieved the project's goals – and glad that we've found a reliable partner going forward. With the access points, we got uninterrupted WiFi right out of the box, which is something we couldn't get with other manufacturers. And the WiFi has been very stable; it's been running 12 hours a day, every day of the week without missing a beat.”

Vyacheslav Kuzin  
R&D Engineer, Anvio



## Russian Gaming Company Takes VR Experience to New Heights with Zyxel WiFi 6 APs

### Summary

In one of Anvio's 100-square-meter VR arenas, WiFi was being used to share players' locations among each other. Aiming for better graphics and gaming experiences, the company wanted a WiFi upgrade to stream high-quality video to players' headsets. With the large traffic and network loads involved, Anvio's WiFi needs were nearly as intense as its games. Reliability was key, too, requiring completely uninterrupted operation throughout business hours. Anvio had in mind WiFi 6 equipment that could transmit game data to up to four headsets at 50 Mbps while also receiving data from the players' gear. See how Zyxel Networks helped the company to deliver lag- and dropout-free gaming experiences to players.

[Download PDF version](#)

### Challenges

- Provide fast and uninterrupted wireless connectivity to multiple VR players and eliminate WiFi interference
- Ensure network is robust enough to operate intensively 12 hours a day, 7 days a week
- Allow straightforward AP deployment that can be performed by non-IT staff

### Results

- Excellent VR experience supported by smooth video streaming and uninterrupted communication
- Fast and easy deployment of wireless APs without network expertise
- High-quality, cost-effective WiFi infrastructure for all-day operation and simple future expansion

# Belka Games



## Industry

Entertainment



## Customer

Belka Games



## Country

Ukraine



## Solution

- [ATP500 ATP Firewall](#)
- [GS1350 Smart Managed Switch For Surveillance](#)
- [GS1920v2 Smart Managed Switch](#)
- [WAX510D 802.11ax AP](#)

"We're an international company with offices in multiple countries. When choosing equipment, I asked my colleagues elsewhere what they had installed and how it was working for them. It turned out that, in most cases their equipment was from Zyxel and was working great. Then I looked into the price and functionality of the equipment and that sealed the deal."

Nikita Verbitsky  
Project Manager, Belka Games



## Zyxel WiFi 6 Solution Powers Up Gaming Company's Wireless Network

### Summary

The Ukrainian division of Belka Games was growing fast and moving to a larger office. This new site required creating—from scratch—modern network infrastructure that could meet stringent cybersecurity standards while still providing staff with creative freedom. As well as stationary work PCs, the office would house a large amount of multimedia equipment. In addition, employees valued freedom of movement, placing extra importance on having a powerful WiFi network. Zyxel's solution provides the company with the most up-to-date cybersecurity technologies and with seamless roaming plus the labor-saving ability for centralized equipment management and software updates.

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### Challenges

- Build a new network from scratch to ensure high-speed connections for stationary work PCs and multimedia equipment
- Ensure the new WiFi network can support a large number of wireless clients without compromising on communication quality

### Results

- The reliable, resilient network equipped with WiFi 6 and centrally manageable with high-performance smart-managed switches
- The ATP firewall features the latest cybersecurity to safeguard the company's and customer's business data

# Compactive



## Industry

Entertainment



## Customer

Compactive



## Country

Czech



## Solution

- [GS2210 L2 Managed Switch](#)
- [WAC6553D-E 802.11ac Outdoor AP](#)
- [NWA5123-AC 802.11ac AP](#)

"Covering large areas with a reliable wireless signal is one of the main functions of our Mobile WiFi system. And to this end, Zyxel's network equipment has proven not only to be sufficiently powerful but also to be resistant to even the most demanding weather conditions. We've used their access points to handle hundreds of client devices at once, and thanks to their low power consumption, our autonomous poles can fulfill their purpose without any additional power."

Ing. Lubomír Kuča  
CEO, Compactive s.r.o.



## Zyxel Equipment Makes Czech Firm's 'WiFi Pole' Rental Product Successful

### Summary

Compactive's innovative Mobile WiFi solution takes an efficient and innovative approach to providing wireless and other communication services. The Czech company deploys customizable "WiFi poles" that can carry everything from access points to security cameras to LED lighting. And, in addition to being remotely controllable via any device, they can be put up and taken out in a flash. Three recent unusual and difficult deployments – including an underground comedy club and traveling Grand Prix tent town – show how the poles are building Compactive's business and delivering bringing high-quality WiFi to wherever the client wants.

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### Challenges

- Use innovative "WiFi poles" to provide stable wireless in difficult environments, including basement levels and across large outdoor areas
- Deliver connections strong enough for high-resolution video streaming
- Enable quick disassembly of the equipment without disrupting operations

### Results

- Seamless and reliable connectivity even in harsh conditions and hard-to-reach places
- System is easy to install and configure, making it suitable for mobile use
- Tough build delivers durability and high-performance service even in demanding weather conditions
- Power-efficient network able to support up to 600 clients in one deployment

# Windwerk



## Industry

Entertainment



## Customer

Windwerk



## Country

Switzerland



## Solution

- [XGS3700 L3 Access Switch](#)
- [LTE3301-M209 LTE Indoor Router](#)
- [USG1100 UTM Firewall](#)



## Zyxel Delivers Fail-Safe, Low-Cost Network to Swiss Indoor Skydiving Center

### Summary

When wind tunnel Windwerk was founded to allow local Swiss to skydive indoors, safety was priority No. 1. That first meant getting German-engineered equipment for the 17-meter-high tunnel, which blasts winds at speeds of up to 280 kph. Then there was the network controlling the wind tunnel's operations as well as the facility's customer service needs. With these high stakes, there could be no room for an outage: Windwerk demanded a network with ultra-high reliability. Here's how we delivered.

[Download PDF version](#)

### Challenges

- Deploy from scratch a failsafe network with abundant redundancies
- Implement infrastructure within affordable budget
- Ensure stable network connectivity of existing infrastructure from different providers

### Results

- A unified, failsafe network provides extreme reliability, with two fiber optic and one LTE connections, and four switches
- High-speed network connectivity ensures a smooth online booking experience
- Effective network monitoring quickly detects any Internet connection or hardware failures



## Other industries

With financial and tech institutions like insurance companies and data centers more conscious than ever of the highly sensitive information they handle, ensuring secure communication has become their top priority. Meanwhile, manufacturing and logistics companies are pursuing network upgrades to get uninterrupted connectivity and coverage throughout their facilities, even in cold rooms and warehouses. Take a look at how we're making these upgrades easy and efficient, including in the **design**, **nonprofit**, and **religion** sectors.

# Nemo Studio



## Industry

Design



## Customer

Nemo Studio



## Country

Italy



## Solution

- [Nebula Control Center \(NCC\)](#)
- [ATP700 ATP Firewall](#)
- [WAX510D 802.11ax AP](#)
- [GS1920v2 Smart Managed Switch](#)
- [XGS1930 Smart Managed Switch](#)

"The Zyxel solutions we adopted have proved to be simple and straightforward to install as well as to offer strong, comprehensive security."

Silvio Di Benedetto  
Senior Architect & Consultant  
Inside Technologies



## Speedy, Secure WiFi Offers Bright Future for Growing Italian Lighting Firm

### Summary

Moving into a new headquarters to support its growing size, Nemo Studio needed universal wireless coverage for the three floors of office space and a 1,000-square-meter warehouse to enable roaming with laptops and support the deployment of RF guns. Meanwhile, high speeds were needed for large graphic design files to be transferred in seconds. Nemo Studio also wanted to strengthen the security of its network to enable real-time protection of inbound and outbound traffic and to prevent access to and by unauthorized devices. Its system integrator Inside Technologies used Zyxel Nebula cloud networking management solution along with WiFi 6 APs and ATP firewalls to meet all the customer's needs.

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### Challenges

- Improve network coverage and speed across entire office area and warehouse to allow universal laptop and RF gun use
- Centralize the management of wireless devices through an AP controller

### Results

- WiFi 6 APs and high-performance network switches create seamless connectivity and allow centralized management via Nebula
- High speeds make for high efficiency, enabling employees to transfer data and manage the warehouse without latency
- Secure inbound and outbound network communication via state-of-the-art ATP firewall

# Himalayan General Insurance



## Industry

Finance



## Customer

Himalayan General Insurance



## Country

Nepal



## Solution

- [USG110 UTM Firewall](#)



## Nepal's Insurance Company Secures Valuable Customer Information with Zyxel Security Solution

### Summary

One of Nepal's leading insurance companies, Himalayan General Insurance is known for embracing the latest technology to provide top-of-the-class services to its customers and value to its shareholders. Being in the insurance industry, the company is conscious of the highly sensitive nature of the data that it handles. Protecting this data is extremely important to ensuring customer confidence. As cyberattacks are becoming more and more common, the company decided to upgrade its network security solutions. With Zyxel's solution in place, the company now ensures maximum protection 24/7, no matter whether it's at the headquarter or the branches. Also, the ease of operation makes network security management a breeze.

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### Challenges

- Strengthen the company's network system to prevent cyberattacks
- Protect against harmful malware that hackers could use to gain access to the network
- Build secure remote access when connecting to 33 branch offices

### Results

- Extensive protection and effective control of the web applications with advanced anti-malware solutions
- Robust content filtering increases detection rates and manages network security better
- Easy remote network management between the headquarters and branches

# Forton



**Industry**  
IT Service



**Customer**  
Forton



**Country**  
Russia



**Solution**

- [VPN100 VPN Firewall](#)
- [VPN300 VPN Firewall](#)

"There are plans to significantly increase network security. We ourselves tested Zyxel equipment and was happy with the result. We offer customers proven solutions from our own experience and will use Zyxel's products in upcoming projects."

Alexander Gagarin  
Project Leader, Forton



## Zyxel VPN Firewalls Create Secure, High-speed Connection Between Central Office and Data Center for Russian IT Service Company

### Summary

Forton wanted to increase the bandwidth of the VPN tunnel and solve problems with routing networks between two remote locations. Besides, they needed to create a remotely manageable wireless network in the office. QOS configuration, SD-WAN testing, and implementation of cloud DNS are other important tasks. With Zyxel's equipment, the company took only one day to complete the installation and configuration of equipment on their own. After the implementation, the company was satisfied with the results and are considering more Zyxel equipment like switches, APs and Nebula cloud networking solution to help them easily manage their system remotely.

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### Challenges

- Increase bandwidth from 100Mbps to support more services from the company's business development plans
- Build a reliable, high-speed VPN tunnel for the two offices located in different cities with minimal effort
- Ensure easy setup, configuration and management remotely

### Results

- Zyxel VPN Firewalls feature Zero Touch Provisioning technology for automatic installation without the need for a highly technical engineer onsite
- Centralized cloud management and monitoring with enhanced speed, security and reliability
- Futureproof solution that offers the best value for money

# Tiller



## Industry

Information Technology



## Customer

Tiller



## Country

France



## Solution

- [Nebula Control Center \(NCC\)](#)
- [GS1920v2 Smart Managed Switch](#)
- [GS1350 Smart Managed Switch For Surveillance](#)
- [NSG50 Nebula Security Gateway](#)
- [NWA1123-ACv2 802.11ac AP](#)

"Zyxel's approach allows our teams to become more efficient by offering additional value to businesses using the Tiller's solution. With Nebula, we can preventively contact our customers when we receive network alerts. And our teams can support our customers in identifying the outage and resolving the incident, all remotely without having to travel. We are becoming more agile and we can guarantee an optimal experience for our customers which benefits their business."

Pierre Lombard  
COO, Tiller



## French POS Company Grateful for Enhanced Customer Experience and Network Management Efficiency with Zyxel Nebula Solution

### Summary

Tiller wanted to optimize the deployment of its solution. Zyxel Nebula solution provides the company with simple, quick and remote installation and configuration without the need for on-site interventions. Once the equipment was shipped to the point of sale, they were configured automatically and remotely, ensuring uniformity of installations across all sites. The integration of Nebula into the Tiller's environment was initially achieved by training Tiller's employees to use Nebula, with the result that teams are now completely independent in the management of the networks. Today, nearly 1,400 devices are spread over 500 sites and remotely monitored by Tiller with the support of Zyxel teams.

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### Challenges

- Quickly found malfunctions reported by customers were related to the quality of local network and Internet access
- Guaranteed optimal use of Tiller's solution by its users
- Lacked efficient network management of contingencies and remote device monitoring

### Results

- More efficient deployment and management reducing over 80% of Tiller's technical team travels
- Increase in customer satisfaction by more than 60%
- Zero touch provisioning guaranteeing uniformity of installations across all sites and avoiding any handling errors



## Industry

Legal



## Customer

QualityConta



## Country

Spain



## Solution

- [ATP500 ATP Firewall](#)
- [WAX610D 802.11ax AP](#)
- [GS1920v2 Smart Managed Switch](#)

"It is essential to guarantee the continuity of the work, not only during Covid-19, but in any incident that may arise. Furthermore, at QualityConta we promote and encourage the reconciliation of work and family life for our employees, which is why we consider it essential to have the support of effective technology like Zyxel's solution to support this policy."

Javier Montero  
General Director, QualityConta



## Providing More Efficient and Secure Network Environment to Help Spanish Consultancy Achieve Better Business Results

### Summary

The business consultancy firm QualityConta in Madrid planned to implement a fast and secure WiFi infrastructure that can deliver a high-speed computer network for both employees and guests, and advanced perimeter security to protect against cyberattacks. Zyxel Networks successfully satisfied the customer's need in greater network agility and better business protection by installing the latest WiFi 6 access points and advanced ATP firewall equipment. See how our solution offers robust protection against malware, and appropriate service based on the different needs required for guests or personnel outside the company.

[Download PDF version](#)

### Challenges

- Implement a new network infrastructure to deliver faster and more secure connectivity
- The network should be able to ensure business continuity and support remote workers

### Results

- Advanced network that protects against cyberattacks and allows for efficient teleworking
- Fast and secure WiFi network for both employees and guests

# ECOM Express



## Industry

Logistics



## Customer

ECOM Express



## Country

India



## Solution

- [Nebula Control Center \(NCC\)](#)
- [NWA1123-ACv2 802.11ac AP](#)

“We have chosen Zyxel solutions for implementation mainly due to the long-term presence of the brand on the Indian market and the positive customer feedback when working with these devices. The price-to-performance ratio of the device in comparison with that of other brands also played an important role in the choice of the Zyxel brand. We have been very satisfied with our choice of Zyxel Nebula Cloud Networking Solution at our premises.”

Ankit Johri  
IT Head, Ecom Express



## Zyxel Nebula Solution Helped Indian Logistics Service Company Replace Network System During Fast Expansion

### Summary

Ecom Express is a leading logistics company in India offering nationwide express delivery services to the e-commerce industry. As their operations have grown larger, the company has found their network services also ballooning up in costs. They were looking for a new network solution to lower their recurring maintenance cost. Zyxel met all of the requirements they were looking for. In the end, the company was extremely satisfied with the results, and will consider to deploy Zyxel's solution in the future. Check here to see how the story goes.

[Download PDF version](#)

### Challenges

- Lower recurring costs of network service
- Replace the existing network system with a new cloud technology with the best prices available and the best supportability
- The replacement should be reliable and easily scalable for upcoming rapid future expansion

### Results

- Affordable recurring service cost in the long run
- Reliable cloud technology which saves maintenance time and costs
- Excellent customization ability and customer support from a trustworthy company with strong local presence

# Willems Transport



## Industry

Logistics



## Customer

Willems Transport



## Country

The Netherlands



## Solution

- [Nebula Control Center \(NCC\)](#)
- [USG FLEX 100 UTM Firewall](#)
- [XGS4600 L3 Aggregation Switch](#)
- [GS1920v2 Smart Managed Switch](#)
- [NWA1123-AC PRO 802.11ac AP](#)

“We notice that everything now works much more efficiently than before. Our employees are happy with all the communication options and can handle the systems adeptly. We are very satisfied and hope to be able to work together with KaPé Automatisering.”

Lucien Willems  
Owner, Willems Transport



## Zyxel Nebula Solution Takes Logistics Company's Network in South Holland to New Heights

### Summary

Willems Transport represents a typical logistics customer for KaPé Automatisering. The customer takes care of the transport and storage of a manufacturer of dairy and pharmaceutical products in the newly built large hall of no less than 28,000 square meters. A fresh IT solution for the communication system needed to be installed in this distribution center, so that all forklift truck employees could do their work unhindered, no matter where they were in the hall. They faced a few challenges like great height of 13 meters, stable WiFi network available and accessible 24/7. Check our story to see how Zyxel Nebula Solution overcomes the challenges and provides an easy-to-manage platform to our customers.

[Download PDF version](#)

### Challenges

- Connect different branches and headquarters with a single network
- Set up a robust security system to ensure protection against data breach
- Provide a solution that would facilitate the company's growth and business development plans

### Results

- Five branches and headquarters connected with a single, reliable network
- VPN tunnel and firewall installed to secure the system against any malicious attacks
- A future-ready solution that allows the company to focus on its operations without worrying about the network requirements

# Frigol



## Industry

Food manufacturing



## Customer

Frigol



## Country

Brazil



## Solution

- [NXC2500 Wireless LAN Controller](#)
- [NWA5121-NI 802.11n AP](#)
- [GS2210 L2 Managed Switch](#)

“We were completely unfamiliar with Zyxel Networks when our system integrator partner TecExpert introduced us to them. But, after deploying Zyxel's products, we're very satisfied and have a great deal of trust in the solution. Their products have been the perfect fit for the needs of our unique environment, and we were also impressed by the professionalism of the TecExpert and Zyxel teams during the installation.”

Fabio Toló  
Corporate IT Manager, Frigol



## Zyxel Beefs Up Brazil Meat Factory's Network to Ensure Efficient Operations

### Summary

Frigol is a meat industry leader with top-grade production equipment but, until recently, was being let down by poor coverage and connection loss problems at its massive 16,000-square-meter headquarters. Its existing network simply wasn't up to the job, so the company started the hunt for supplemental equipment. In particular, Frigol needed reliable and affordable wireless connectivity and inventory traceability for its data collection devices and mobile computers, which were connected to its ERP and other automation systems. Zyxel Networks helped it achieve continuous operation, and delivered connectivity with less latency and higher availability.

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### Challenges

- Replace existing infrastructure, which could not provide the uninterrupted connectivity and full coverage needed, especially in the cold rooms
- Deploy new equipment that works with the existing infrastructure at a fair price

### Results

- Stable and seamless connectivity everywhere in the factory, including low-temperature areas
- Enhanced productivity and operational efficiency for better production and traceability
- Reliable solution is easy to integrate into the legacy system and cost-efficiently resolves customers' problems

# SASA Polyester



## Industry

Manufacturing



## Customer

SASA Polyester



## Country

Turkey



## Solution

- [GS1300 Series Unmanaged Switch For Surveillance](#)
- [GS1350 Smart Managed Switch For Surveillance](#)
- [XGS1930 Smart Managed Switch](#)
- [RGS200-12P Industrial Ethernet Switch](#)

"We're very grateful to Zyxel Networks and its partner Seyhan Güvenlik for completing the deployment process in a shorter time span than we expected. There's now a strong network throughout every inch of the factory and our security business processes are fully operational. Zyxel's network switches are also helping us to minimize our business's communication costs."

Ali Dilbaz  
IT Manager, SASA Polyester



## Zyxel Surveillance Switches Star in Turkish Factory's Epic Network Upgrade

### Summary

With plans to expand its capacity to 1.4 million tons a year and staff size to 3,000 in 2022, SASA Polyester had a pressing need to bring its network up to scratch. Especially important were business continuity and uninterrupted communications. Also needing consideration were the increasing operating costs caused by the growing number of surveillance cameras; this meant a strong preference for less wires and thus lower installation costs. With the first phase completed ahead of schedule, the newly strengthened network is going strong: security is beefed up and all the security cameras are centrally managed with ease – and scalable for future expansion.

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### Challenges

- Ensure continual operation of 1,500 cameras in a factory of over a million square meters during the first phase, expanding to power and manage 14,000 security cameras in coming years
- Minimize communication expenses and provide more flexibility for port configuration
- Deliver strong, flexible bandwidth to handle thousands of employees and cameras

### Results

- Efficient, scalable enterprise-wide security and data network with less wires and lower installation costs
- Flexible, centralized network infrastructure that's easy to manage
- Provide additional power supplies through switches for the security cameras, and enable easier and more cost-saving electrical wiring



## Industry

NGO



## Customer

CasaOz



## Country

Italy



## Solution

- [USG FLEX 200 UTM Firewall](#)
- [NWA1123-AC PRO 802.11ac AP](#)
- [GS1920v2 Smart Managed Switch](#)

"Thanks to Zyxel Networks, CasaOz can continue to be there for these children and young people. Internet connections are essential to feel closer in this time of great difficulty, and we're very grateful to have a team like Zyxel Networks who stand by your side to support you."

Enrica Baricco  
President, CasaOz



## Nebula Together Helps Italian Nonprofit to Keep Supporting Disadvantaged Kids and Families

### Summary

With the arrival of Covid-19 lockdowns, an Italian non-profit association CasaOz was relying on internet connectivity more than ever: both to offer support and education through video calls and to allow its residents to keep in touch with loved ones. The nonprofit's staff network was required to upgrade to support more mobile devices at once. It encounters weak signal problems caused by thick concrete walls and columns. Life isn't quite back to normal in CasaOz yet, but Zyxel Networks is making a real difference by delivering the strong, steady connectivity, allowing the children and their families to stay connected and get through hard times. Here's how.

[Download PDF version](#)

### Challenges

- Replace old new network with a centralized one that supports private and guest network segments, and allows for future expansion with LTE connectivity
- Deploy a firewall for secure internal network security and guest network content management
- Improve WiFi signal coverage to avoid dead zones and provide strong roaming connectivity to support telepresence robots in the future

### Results

- Greater connectivity for daily operations and smooth transition to online activities
- Nebula Together provides efficient, and flexible cloud networking management and security protection
- Collaborative and integrated network protection features zero trust security when connecting to remote WiFi devices

# Stone Guanyin Temple



## Industry

Religion



## Customer

Stone Guanyin Temple



## Country

Taiwan



## Solution

- [SymmRepeater ENTERPRISE Donor Unit and Indoor Service Unit](#)



## Zyxel Cell Repeater Brings Life-saving Cell Coverage to Remote Hillside Temple in Taiwan

### Summary

Ensuring stable communication in remote mountainous areas is notoriously challenging. This was the case for Stone Guanyin Temple in northeastern Taiwan, located as it is literally inside a cave, cushioned between a valley and towering mountains. After learning that an injured hiker had been unable to reach emergency services due to the poor signal, the site's administrators worked swiftly to address the problem. They turned to Zyxel Networks, and we turned immediately to our SymmRepeater <sup>Enterprise solution</sup>, which is the real hero of the story. Here's why.

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### Challenges

- Bring cell coverage to remote temple, where signals are blocked by surrounding mountains
- Strengthen signal inside the temple as well as across wide outdoor area
- Provide a reliable solution that is easy to manage and install

### Results

- Weak cellular signals improved, with stable voice and data services now accessible through local mobile carriers
- Quick, easy-to-install system setup in only one day
- Reliable solution supported by patented two-level signal amplification, featuring up to 100dB system gain

ZYXEL  
NETWORKS