Success Stories

eBook 2023 2H
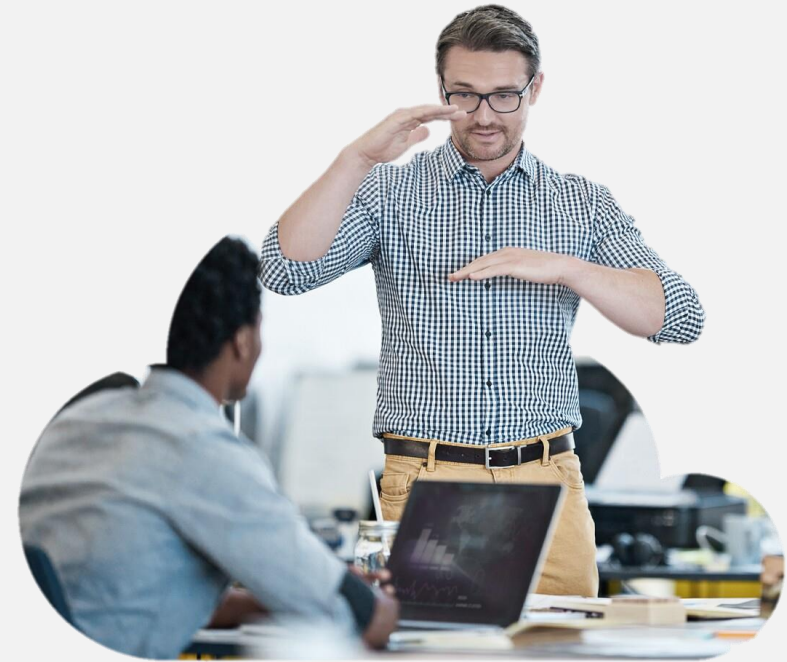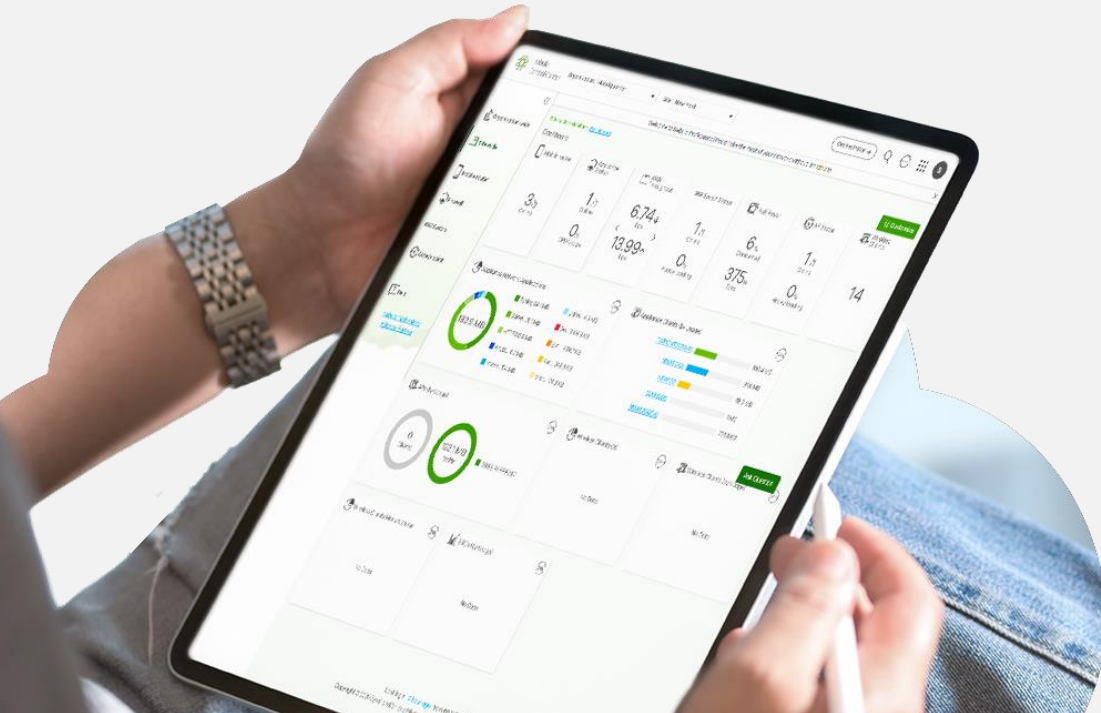
Table of Contents

Hassle-free Network Management

Lacking IT staff for frequent onsite visits for networking issues? Finding it hard to **manage multi-site networks**?

All you need is an **effortless, self-healing** networking management solution empowered by **intelligent cloud technology**.

When addressing the need for **higher connection speeds and bandwidth**, it's not easy, especially with numerous simultaneous connections.

Innovative technologies and scalable infrastructure are key to overcoming challenges in the face of growing demands.

Enjoy security at lightning speed

The **Education, hospitality, and manufacturing** industries are prime targets for cyberattacks.

AI-powered cloud cybersecurity safeguards against internal and external threats. No more worries about malicious cyberattacks and sacrificing network speeds.

HOSPITALITY

Resilient infrastructures, secure communications, and efficient centralized network management are key to overcoming connectivity hurdles for hotels. Explore how our solutions can help deliver reliable and seamless wireless experiences for guests.

Industry

Hospitality

Location

Bacoli, Italy

Products

- Access Point
- Switch
- Firewall

"When questioned about the impact of the new network on the customer experience, we receive no complaints or negative reports, which means we have effectively resolved any connection issues."

Dario de Vincentiis, CEO
Extratel srl

Enhancing Networks and Put Connectivity and Security Issues to Bed

Challenges

Although the Cala Moresca resort boasts outstanding facilities and views, its wireless connectivity has not met the same standards. The resort's location near the Capo Miseno lighthouse, which serves as a site for digital terrestrial and GSM antennas, has often caused signal interference. The resort also had to address the challenge of connecting mini apartments, hotel rooms, and restaurants over a significant distance.

Results

✓ Reliable and fast WiFi connectivity with minimized interference

✓ Efficient network management and smooth network systems integration

✓ Strengthened networks provide secure WiFi connectivity for guests and staff

Download PDF

Industry
Hospitality

Location
Burhave, Germany

Products
- Access Point

"Centralized management via Nebula has streamlined both network installation and maintenance. The village owner and guests are highly satisfied because the WiFi functions seamlessly even during rainy weather, and when more than 500 guests are using it simultaneously."

Patrick Böhm
Sales Consultant & Marketing Manager
Europhone Service

Delivering Reliable WiFi Service in the Challenging North Sea Climate

Challenges

The holiday village aimed to establish a strong network for seamless wireless connectivity across its expansive compound, ensuring coverage both outdoors and within multi-story holiday homes for consistent connectivity. It was crucial for network devices to withstand extreme weather conditions in the harsh North Sea climate. Additionally, the network should be easily manageable, supporting remote management from the fiber optic WAN hub.

Results

✓ Uninterrupted connectivity in both outdoor areas and holiday homes enables guests to stay connected from anywhere

✓ Cost-effective cloud network management reduces maintenance and operational costs

Download PDF

Industry
Hospitality

Location
Calamuchita and Giardino, Argentina

Products
- Access Point
- Switch

"Before the implementation of Zyxel's solution, we frequently received complaints about poor internet connectivity. Since the new network is in place, we no longer receive such complaints and can focus on the daily tasks of the hotel."

Daniel Feil, Hotel Manager
FATUN

Creating Seamless Guest Experiences at Argentine Hotels

Challenges

With a growing number of guests and staff connecting to the existing infrastructure, the Argentine National Universities Federation of Workers (FATUN) faced unstable and interrupted WiFi connectivity. They needed to revamp the current WiFi infrastructure to ensure stable internet connections for guests, eliminating complaints. Additionally, the new network had to efficiently manage multi-site networks without hassle.

Results

- ✓ Enhanced network connectivity improves user experience and enables hotel staff to focus on daily operations

- ✓ Optimized WiFi infrastructure increases guest satisfaction and loyalty

- ✓ Effortless and intelligent cloud network management improves network efficiency and reduces downtime

Download PDF

Industry

Hospitality

Location

Jeju, Korea

Products

- Access Point
- Switch
- Firewall

Transforms Jeju Hotel from Dated to Elevated

Challenges

When building a network for a large hotel, centralizing the network with a user-friendly interface and real-time updates was crucial for efficient management. To enhance guest experiences, providing seamless WiFi and extensive coverage, especially in high-density areas, was essential for hassle-free connectivity within the hotel's various spaces. Separating the network for different users and deploying suitable products could ensure smooth usage.

Results

✓ Extensive network coverage and smooth connectivity, even in high-density areas

✓ Seamless WiFi for guests while moving within different areas

✓ High network visibility and real-time monitoring for efficient network management

Download PDF

MANUFACTURING

Upgrading factory network infrastructures for higher efficiency, speed, and security poses challenges such as compatibility with existing equipment, scalability, reliability, and ease of use. See how our solutions address these challenges effortlessly.

Industry

Manufacturing

Location

Izmir, Turkey

Products

- Access Point
- Switch

"We thank the entire Zyxel Networks team for their support throughout the project, from finalizing the project scope to project management, and configuring the infrastructure for IP camera and IP PBX solutions."

**Tarık AKSOY, IT Operations Manager
DOGU HVAC**

Overcoming Network Hurdles Across Vast Factory Space

Challenges

DOGU HVAC faced network challenges in its large factories, struggling to support various devices for internet access, camera surveillance, and VoIP services. It aimed to address insufficient network range across the 32,500 sqm facility and unify wired and wireless infrastructure with higher capacity and speeds. The goal was to ensure the new network could provide secure, high-quality connectivity without compromising speed or performance.

Results

✓ Reliable and high-speed 10G connectivity

✓ Seamless and uninterrupted wireless communication for efficient operation

✓ Enhanced network management and performance through the unified infrastructure of all IP-based solutions

✓ Secure network connections without sacrificing speeds and performance

Download PDF

Industry
Manufacturing

Location
Binh Duong, Vietnam

Products
- Access Point
- Switch
- Firewall

"Network speed and stability improved significantly. Transmitting surveillance footage has gone from taking hours to minutes, and network management has become much easier, too."

Chang Junhao, IT Manager
SR SUNTOUR Cycling

Pedaling to Perfect Surveillance with Superfast Site-to-Site VPN

Challenges

SR SUNTOUR Cycling faced government mandates for continuous surveillance of its Binh Duong factory and an offsite warehouse. The company needed to establish a robust site-to-site VPN to ensure the smooth transmission of large surveillance footage and improve network efficiency. To achieve this, they had to address challenges in managing and fixing poor performance of the network devices from various companies, including consumer-grade products.

Results

- ✓ Enhanced work efficiency thanks to robust site-to-site connectivity

- ✓ Higher network speeds and stronger stability

- ✓ Worry-free network management due to responsive and professional technical support and planning

Download PDF

Industry
Manufacturing

Location
Gujarat, India

Products
• Switch

Revolutionizing Network Infrastructure for India's Dairy Factory

Challenges

In response to the growing demands of its expanding corporate network, Dudhsagar Dairy decided to upgrade its existing network infrastructure. It aimed to enhance network efficiency, boost data transfer speeds, and improve security while ensuring scalability for future growth. It was crucial to achieve seamless integration of new equipment with old hardware and create a meticulous plan when setting up VLANs and routing protocols.

Results

✓ Substantial network performance improvements were witnessed by the organization

✓ Using port-based access control and VLANs enhances network security

✓ The energy-efficient and streamlined network infrastructure was achieved

Download PDF

Industry
Manufacturing

Location
Vietnam and Myanmar

Products
• Firewall

Cross-border Shoe Factories Strengthens Security with ATP Firewalls

Challenges

For seamless and secure communication across its factories in Vietnam and Myanmar, the rapidly expanding shoemaker required new firewalls to establish VPN channels. However, with factories built at different times and equipped with firewalls from various brands, critical compatibility issues arose, leading to security vulnerabilities and performance challenges. They planned to unify the network, resolve compatibility issues, and implement a site-to-site load-balancing VPN for enhanced bandwidth.

Results

✓ Hassle-free unified network ensures peace of mind

✓ Stable and uninterrupted VPN and network services

✓ Cloud-based sandboxing offers real-time network protection with continuous updates against unknown threats

Download PDF

Industry
Manufacturing

Location
Taichung, Taiwan

Products
- Access Point
- Switch
- Firewall

Smart Lock Company Finds the Key to Smart Building Networks

Challenges

Incorporating IoT devices for various functions, from access control to coffee machines, WAFERLOCK's new factory and office required a network that could deliver high speeds, extensive WiFi coverage, secure connections, and streamlined management. The new network needed to provide 10GbE connectivity and site-wide WiFi, ensuring stable and secure wireless connections for IoT devices and applications, while simplifying network management.

Results

✓ Smooth connectivity for network devices and IoT applications in multiple locations, including offices, and warehouse

✓ Enhanced network security from the UTM firewall and secure VPN connections across domestic and overseas locations

✓ Nebula's simplified network management reduces the workload and saves time

Download PDF

EDUCATION

Globally, schools are adopting advanced equipment and technology for future-focused education. Learn how we assisted these institutions in achieving seamless campus-wide coverage and robust cybersecurity through easy-to-use solutions and budget-friendly investments.

Empowering Italian International School with Smart Cloud Solution

Industry
Education

Location
Milan, Italy

Products
- Access Point
- Switch
- Firewall

"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

Challenges

ICS Milan International School aimed for an innovative teaching experience by refreshing its network to ensure seamless campus-wide coverage, and accommodate simultaneous users and connected devices such as video surveillance, projectors, and conference systems. The goal was a future-proof, user-friendly infrastructure with minimal maintenance, supporting and managing wireless connections with robust cybersecurity protection across the campus.

Results

✓ Managing, monitoring, and configuring all network devices with ease

✓ Secure internet connections and intelligent cybersecurity protection

✓ High-speed network performance for students and teachers

✓ Robust network switches enhance network efficiency and reliability

Download PDF

Industry
Education

Location
Rome, Italy

Products
- Access Point
- Switch
- Firewall

"With real-time monitoring of all devices, we can promptly identify any malfunctions within our network, enabling us to fix them immediately."

**Antonio Pompei, IT Manager
RUFA University**

Elevating Learning Experiences with High-Quality Connectivity

Challenges

The school had to upgrade its wireless network to ensure abundant WiFi coverage for an exceptional learning environment over a vast 6000 sqm campus. They needed to accommodate users simultaneously, enhance WiFi signals, and monitor network access simultaneously. A resilient networking infrastructure was also crucial for quick NAS access and sectoral control.

Results

✓ Optimized WiFi signals with minimized interference in classrooms, offices, warehouses, and outdoor areas

✓ Fast, efficient, and effective network infrastructure

✓ Effortless device configuration with a few steps using Nebula

Download PDF

Industry
Education

Location
Southern India

Products
• Switch

Achieving Comprehensive Networking and Surveillance Upgrades

Challenges

The educational institute struggled to offer seamless campus-wide connectivity with outdated network equipment. When upgrading the infrastructure, the investment had to ensure longevity and scalability within budget constraints. The new network needed to support data and surveillance while providing an easy and centralized monitoring interface. Also, the investment had to address immediate concerns while laying the groundwork for future technological needs.

Results

✓ Robust network infrastructure supports advanced control and monitoring of surveillance systems and ensures uninterrupted video feeds

✓ Fast, secure, and easy-to-manage network available throughout the campus

✓ The futureproof solution offers value for money

Download PDF

Industry
Education

Location
Seoul, Korea

Products
- Access Point
- Switch
- Firewall

Optimizing Network Connectivity at Seoul's Educational Institution

Challenges

The smart educational institution required enhanced wireless performance for simultaneous student use of data-intensive applications and online courses. Improving WiFi involved addressing issues such as network overlapping and shadow areas. They also wanted to optimize the network by segregating student and teaching staff networks, ensuring a secure online learning environment.

Results

✓ Efficient student network management and a high level of cybersecurity

✓ Smooth and uninterrupted learning experiences, even when students are using data-intensive apps simultaneously

✓ Smart network management simplifies equipment monitoring and troubleshooting

Download PDF

OTHER INDUSTRIES

Unlocking work productivity and competitiveness demands seamless wireless communication. However, achieving stable, smooth, and secure connectivity poses challenges. Discover how we've empowered customers in the **beauty**, **healthcare**, **real estate**, **equestrian**, and **events** industries.

Industry
Healthcare

Location
Aydin, Turkey

Products used
- Access Point
- Switch

"Zyxel's Nebula solution is just what our hospital needed. With Nebula, we can reconfigure and control all network devices 24/7 from anywhere, making it more manageable."

Op. Dr. Niyazi Kocakaplan, Chief Physician Aydin Ataturk State Hospital

Turkish Hospital's Networking Problems Easily Solved by the Cloud

Challenges

Aydin Ataturk State Hospital invested in new technology to enhance service quality and meet growing business needs. With 98 outpatient clinics, meeting wireless demands was challenging. Ensuring stable internet access in large, densely populated spaces has proven challenging, potentially impacting operational efficiency.

Results

- ✓ Enhanced network performance and operating efficiency
- ✓ Separated networks for staff and patients protect hospital data
- ✓ Centralized network management enables easier control of multiple devices in vastly separated areas and reduced IT workload

Download PDF

Industry
Residential Estate

Location
Wiesbaden, Germany

Products used
- Access Point
- Switch

"With a cost framework acceptable to the owners, it was possible to establish both WLAN and a charging infrastructure that fully meets all requirements. The underground car park is equipped with WLAN telephony, providing residents with added comfort and security.

Thorsten Bien, GM and System Engineer Bien Network GmbH

Achieving Seamless Charging in a Well-Connected Garage

Challenges

In Wiesbaden, a residential building expanded the power supply line and installed charging stations for the underground parking spaces. A reliable internet connection was essential to monitor and control the charging stations. However, the garage's isolated location presented an unexpected obstacle—the lack of a mobile phone signal. Despite considering a mobile phone amplification system, budget constraints made it impractical.

Results

✓ Seamless and interference-free connectivity, enhancing charging experiences

✓ Sleek and unobtrusive installation minimizes visual impact

✓ Simplified network management and user connections for enhanced convenience

Download PDF

Industry
Healthcare

Location
Warsaw, Poland

Products used
- Switch
- Firewall

"We were pleased to work with the Zyxel Poland team, primarily for their post-sales support. I would like to highlight that ProDentist has also appreciated this support, and therefore, we are jointly planning to connect another ProDentist facility using Zyxel devices."

Krzysztof Kowalski, Owner
Kowalski ORG

Elevating Network Security and Efficiency at Polish Dental Clinic

Challenges

In response to rising cyber threats, ProDentist planned to deploy a zero-trust architecture but needed to ensure seamless integration with critical electronic devices, such as anesthesia systems and dental radiographs. The other challenge was guaranteeing uninterrupted operations, maintaining encrypted VPN connections for remote access, and not disrupting medical staff communication with the SaaS medical system while ensuring security.

Results

- ✓ Enhanced security of patient data and medical records

- ✓ Seamless communication and remote access that allows medical staff to securely access critical information from anywhere

- ✓ More efficient and flexible networks accommodate evolving healthcare needs

Download PDF

Industry
Equestrian

Location
Maaseik, Belgium

Products used
- Access Point
- Switch

"It's a huge advantage to have camera access from anywhere with internet, giving us peace of mind about the safety of our beloved horses. With the new network, we can train clients in other countries through video sessions on our tablets."

Chris Haazen
Owner of Stal Haazen and Trainer of International Para-Dressage Equip Team

Galloping Towards Superior Connectivity for Dressage Stable

Challenges

The prestigious dressage stable needed a new network covering a 40,000 sqm area for high-speed, low-latency functions like video meetings, security cameras, and calving alarms in the pregnant mares' barn. Initially, they installed a wireless router in the main building, but the WiFi signals only reached the private garden. Extending the network to stables proved challenging due to harsh conditions and long distances.

Results

✓ Stay connected without interruptions for stable online teaching and horse monitoring

✓ Enjoy convenient access to a fast and secure network for employees and visitors

✓ Experience efficient and hassle-free cloud network management

Download PDF

Industry
Events

Location
Girona, Spain

Products used
- Access Point
- Switch
- Firewall

"Thanks to Zyxel's solution, we were able to offer quality, stable WiFi service with good bandwidth. This allowed the use of POS terminals without problems via WiFi, as well as the proper functioning of QR code ticket validation during the festival."

Ariadna Barthe, Director
White Summer

Spanish Summer Festival Shines with Secure and Reliable Network

Challenges

Organizers needed resistant network infrastructure that could provide secure connectivity for the festival's multimedia and lighting equipment as well as the digital services and mobile point-of-sale terminals of stall and food truck owners. Complicating matters was that the devices being used came from various brands, which had caused significant compatibility issues in previous years.

Results

- ✓ Full coverage and reliable network backup to guarantee 24/7 service
- ✓ Smooth network integration of all multimedia devices and POS terminals
- ✓ Easy-to-use remote cloud management platform accessible from any mobile device
- ✓ Secure connectivity and data protection

Download PDF

Industry
Health and Beauty

Location
Seoul, Korea

Products used
- Access Point
- Switch
- Firewall

Transforming Multi-Site Networks for Enhanced Work Productivity

Challenges

A Seoul-based health and beauty company needed to update its outdated network infrastructure at headquarters and two branch offices. The headquarters, with its large space and a high number of wireless clients, required a new network capable of accommodating high traffic demands. In contrast, the branches with smaller offices and fewer users needed a different approach to meet efficient network utilization and cost-effectiveness.

Results

✓ Low-latency wireless connectivity for multiple simultaneous user connections

✓ Employees can seamlessly transition and work across different locations without disruptions or difficulties

✓ Simplified and responsive management of multi-branch and remote work networks

⬇ Download PDF

Industry
Energy

Location
Uttarakhand, India

Products used
• Access Point

Revitalizing Hydropower Plant with Wireless Infrastructure Upgrade

Challenges

The Indian power utility company faced common challenges with outdated networks, including compatibility issues, frequent disruptions, and poor signals in one of its hydropower plants. It had to revamp its networks to prevent disruptions, amplify wireless signals at the plant, and reduce messy cables. The company also aimed for a cost-effective installation without compromising performance.

Results

✓ WLAN optimization and RF management result in high-quality wireless LANs

✓ WiFi that is resilient and manageable without complicated deployments of cables

✓ A scalable solution allows for future network expansion

Download PDF