

Success Stories

eBook 2024 2H

Futureproof your business with
powerful, effortless, scalable connectivity



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Nebula Cloud Solution

Futureproof your business with Nebula cloud networking solution

With the Nebula cloud networking solution, businesses gain reliable performance across locations and meet future needs, benefiting from **centralized control**, **scalable connectivity**, and **enhanced security**.





WiFi Access Point

Create Future-Ready Workspace with Seamless WiFi Experiences

Zyxel Networks' access points boost WiFi performance and ensure **reliable coverage**, providing users with **high-quality experiences** even in bustling, crowded environments.





Next-Generation Firewall

Secure your networks and endpoints with cloud-intelligent cybersecurity

Securing remote access and enhancing network performance should be straightforward, allowing your team to stay productive while **protecting data**.





Mobile Broadband / FWA

Improve connectivity for mobile and high-demand environments

Choosing mobile broadband solutions that are **easy to relocate and install** enhances **operational flexibility**.

Our mobile routers deliver reliable performance with a **user-friendly app** for seamless installation and management.





HOSPITALITY

Seamless connectivity is essential for efficient operations and guest satisfaction in hotels and restaurants. However, network instability and heavy user traffic can disrupt services. Deploying solutions that enhance WiFi performance and simplify network management is increasingly important to create enjoyable experiences.



Katrina Group



Industry
Hospitality



Location
Singapore



Products

- Access Point
- Switch
- Firewall

“Zyxel Networks' Nebula solution provides the functionality usually found in more expensive solutions, but at a more cost-effective price point. The cloud solution is user-friendly for the IT team to manage as first responders.”

Zedy Ng, CTO
Katrina Group Ltd.

Addressing Cross-Site Network Challenges for Continuous Operations

Challenges

The Katrina Group faced challenges in managing equipment and maintaining network quality across all outlets in Singapore. Before deploying a new solution, handling multiple-site networks was a headache. Network performance and stability issues with its current equipment and costly license fees led it to seek more affordable alternatives with essential features to ensure continuous operations.

Results

- ✓ Stable and secure WiFi connectivity
- ✓ Affordable, intuitive, and automated network management with high reliability and scalability

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Industry

Hospitality



Location

Busan, Korea



Products

- Access Point
- Switch
- Firewall

Optimizing Hotel Operations and WiFi Experiences

Challenges

The hotel needed seamless connectivity across all areas, ensuring uninterrupted WiFi in high-traffic spaces like lounges, business centers, and restaurants. It also had to prevent network disruptions from incorrect cable connections and handle diverse traffic from internet surfing and streaming services. Installing APs based on space and user density was crucial to maintaining robust performance.

Results

- ✓ Improved guest experience with uninterrupted WiFi and reliable connectivity even in high-density areas
- ✓ Smart managed network avoids disruptions from improper cable connections
- ✓ Proactive network management and comprehensive oversight provide a convenient WiFi experience



Lotteria and Pascucci



Industry
Hospitality



Location
Seoul, Korea



Products

- Access Point
- Switch
- Firewall

Enhancing Customer WiFi Experience in Korean Restaurant and Cafe

Challenges

In franchise stores, heavy user traffic made it difficult for routers to maintain stable WiFi connections. Besides, the presence of kiosks, where customers place their orders upon entry, created longer queues and larger crowds. These factors highlighted the challenge of providing uninterrupted and smooth connectivity, essential for efficient operations in such busy environments.

Results

- ✓ Seamless WiFi connectivity across the entire store and effortless WiFi user experiences
- ✓ Streamlined network management with real-time monitoring and efficient maintenance

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EDUCATION

As schools adopt digital learning and immersive technologies like AR/VR, the demand for reliable, high-capacity networks grows. However, challenges such as limited coverage and slow speeds hinder performance. Implementing high-performance and futureproof solutions is essential for enhancing connectivity and academic experiences.



Industry

Education



Location

Lalitpur, Nepal



Products

- Access Point

“We have partnered with Zyxel Networks to address the connectivity challenges faced by the National College of Engineering. We’ve successfully transformed NCE’s network infrastructure, ensuring seamless internet access across the campus.”

Suman Koirala, Pre & Post Sales Support
iTech Office Support

Enhancing Learning Environments Through Network Technology

Challenges

The National College of Engineering (NCE) in Nepal sought to enhance campus connectivity by ensuring seamless internet access for students and staff. Faced with user capacity limitations and unreliable roaming, the college needed a cost-effective solution with local support. It had to cover diverse areas, handle large user numbers, offer seamless roaming, and centralize network management.

Results

- ✓ Scalable wireless infrastructure accommodates a large number of users
- ✓ End-to-end coverage to every area of the campus
- ✓ Rapid installation and cost-efficient solution

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Ling Tung University



Industry

Education



Location

Taichung, Taiwan



Products

- Access Point
- Switch

Empowering Next-Generation Talents and AR/VR with WiFi 7

Challenges

Slow speeds and high latency hindered effective AR/VR applications on campus. A shortage of IT specialists made network fixes time-consuming. The school's Digital Content Design Department lacked a solution integrating wired and wireless networks with security equipment, further limiting performance and security. These challenges restricted the department's ability to utilize AR/VR technology fully.

Results

- ✓ Enhanced AR/VR experiences and digital media creation
- ✓ Improved network efficiency and timely technical assistance
- ✓ Fast network deployment with reduced cabling costs
- ✓ Comprehensive network management and cybersecurity protection

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DUVASU University



Industry
Education



Location
UP, India



Products

- Access Point
- Switch
- Firewall

Boosting IT Infrastructure at DUVASU University with Cloud Solution

Challenges

Before the upgrade, DUVASU faced significant challenges, including inconsistent WiFi coverage and weak signals in many areas. Slow connectivity, often due to its Internet Service Provider (ISP), added to the issues. Managing the existing network infrastructure was complex and time-consuming, as the IT team had to handle multiple devices across different platforms.

Results

- ✓ Reliable WiFi coverage throughout the campus ensures seamless connectivity for students and staff
- ✓ Robust cybersecurity protects against potential threats
- ✓ Centralized network management reduces operational complexity and improves response times

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OTHER INDUSTRIES

Regardless of the industry—**automotive, construction, events, manufacturing, sports,** and beyond—the demand for robust, secure, and future-proof wireless solutions is undeniable. See how Zyxel Networks optimizes network capabilities and empowers organizations to achieve their goals for a brighter future.



Schultes Car Dealership



Industry

Automotive



Location

Geilenkirchen, Germany



Products

- Access Point
- Switch

“We and Zyxel Networks built a robust network with WiFi access points and smart managed switches tailored to Schultes car dealership's needs. This setup ensures smooth operations, fast and reliable connections, and an ideal customer experience in the salesroom.”

Dipl.-Inf. Frank Allwicher,
Computer Scientist and Managing Director
IT Concepts GmbH

Shifting into High Gear with Innovative Salesroom Experiences

Challenges

The new approach to showcasing vehicles during exhibitions demanded high network reliability. In the service area, mechatronics engineers required seamless access to test programs and parts catalogs from a local server for optimal maintenance. The workshop's network needed to withstand outdoor conditions and provide excellent coverage despite interference. Schultes car dealership faced challenges with rapid network setup due to tight timelines.

Results

- ✓ Simplified and efficient network setup enables quick deployment, even under tight deadlines
- ✓ Reliable WiFi performance ensures seamless coverage both indoors and outdoors
- ✓ Streamlined network management guarantees stable connectivity and smooth business operations

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Industry

Construction



Location

Singapore



Products

- Access Point
- Switch

“Monitoring WiFi availability is a breeze with Zyxel Networks’ equipment. The Nebula dashboard allows us to see everything on a single interface and view the network status remotely via the app.”

Ho Shu Jie
Business Development, Syscon Pte Ltd.

Building Reliable WiFi Infrastructure with Effortless Cloud Management

Challenges

When constructing the dormitory, Syscon focused on creating a sturdy building structure and ensuring a comfortable living environment. A high-performance WiFi infrastructure was a key component of this plan. Syscon aimed for a hassle-free, worry-free experience by choosing a reliable and future-proof networking solution, ensuring the equipment remains operational for as long as possible without the need for frequent tech refreshes.

Results

- ✓ Consistent and reliable WiFi throughout the dormitory
- ✓ Effortless management of the entire network with minimal effort
- ✓ Affordable and low-maintenance solution providing peace of mind

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Lux Eventi, This is Wonderland



Industry

Events



Location

Napoli, Italy



Products

- Access Point
- Switch
- Firewall

“Zyxel Networks’ solutions have enabled us to implement cutting-edge network infrastructure, ensuring stable and secure connections even in challenging environments like outdoor areas exposed to harsh weather and heat.”

Dario de Vincentiis
PM & IT Manager, Extratel

Achieving Immersive Experiences with Stable, Secure Connections

Challenges

For the interactive art exhibition, This is Wonderland, setting up a restaurant ordering system was essential for efficient communication between kitchen and floor staff. Key challenges included ensuring seamless network connectivity, providing full coverage, and managing high traffic for simultaneous users. Stable connections were crucial for smooth digital activities and secure transactions.

Results

- ✓ Comprehensive and reliable WiFi coverage throughout the venue
- ✓ Efficient network management optimizes data flow and ensures stable connectivity for numerous users
- ✓ Enhanced cybersecurity measures protect the network and prevent potential threats

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Guljag Industries



Industry

Manufacturing



Location

Jodhpur, India



Products

- Astra Endpoint Service
- Firewall

“Zyxel Networks’ solutions have transformed our security infrastructure, delivering robust protection and seamless remote access at a fraction of our previous costs. We now operate confidently and efficiently, fully equipped to handle growing business needs.”

Mr. D. Dhoot
Managing Director, Guljag Industries Ltd.

Strengthening Cybersecurity at Chemical Factory with Astra Service

Challenges

Guljag Industries needed to enhance its security infrastructure to monitor employee activities related to operations. The sales team frequently traveled, relying on laptops for meetings and closing sales. With the Microsoft Navision ERP solution hosted on AWS and accessible only through the HQ network, ensuring secure access and protecting sensitive data became a priority, prompting a search for a more user-friendly, cost-effective alternative.

Results

- ✓ Powerful cloud-based network protection without breaking the budget
- ✓ Secure and efficient remote access boosts network performance and team productivity
- ✓ Simplified security management gives the IT team greater usability and a user-friendly design

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Kosmos Global Holding



Industry

Sports



Location

Barcelona, Spain



Products

- Access Point
- Switch
- Firewall

“With Zyxel Networks’ Nebula solution, we met all our needs: security, high-speed connectivity, and powerful, stable WiFi at a competitive price. Everything is managed through an intuitive platform, whether via website or smartphone application.”

Isaac Alós Doménech
IT Manager, Kosmos Global Holding

Redefining the Future of Sports and Driving Innovations with Nebula

Challenges

Kosmos experienced significant growth, expanding from about 50 employees to over 150 due to the global success of its flagship project, the Kings League. This expansion required a move to larger offices and highlighted that the existing network was outdated and inadequate for future needs. Besides, the network lacked strong security protection, putting data at risk.

Results

- ✓ Enhanced connectivity provides seamless and secure access for users and staff from any location
- ✓ Centralized and simplified network management enables quick deployment and issue reporting
- ✓ Streamlined network management supports ongoing growth and new initiatives

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Boyo Social Welfare Foundation



Industry

Non-profit organization



Location

Hsinchu, Taiwan



Products

- Access Point
- Switch
- Firewall

“Thanks to Zyxel Networks' help, we now have a more stable network environment, which allows us to offer a better learning experience and serve as a stronger support system for these children.”

Yuheng Li, Director
Zhudong Branch, Boyo Social Welfare Foundation

Empowering Rural Disadvantaged Children's Education with Nebula

Challenges

The foundation faced significant challenges from teacher shortages in rural areas, worsened by the pandemic, leading to more online courses. However, its wireless network struggled to support more than six simultaneous classes. With students using tablets or Chromebooks, connectivity issues arose, especially when six to eight students in one classroom joined online lessons, causing frequent lag and disconnections.

Results

- ✓ Convenient cross-site remote network management eliminates the need for VPN access, enhancing operational efficiency
- ✓ Simplified and efficient device monitoring from a smartphone
- ✓ Smooth learning experiences with minimized lag issues

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CityChurch BFP KdÖR



Industry

Religious organizations



Location

Aachen, Germany



Products

- Access Point
- Switch
- Mobile Router

“We use AVoIP protocols to stream audio, video, and control data for Sunday services, and it has to be in real-time with extremely low latency. After replacing network equipment with Zyxel Networks' XGS2220-54/54HP switches, the latency issues were resolved.”

David Mössner
Production Director, Campus Aachen

Enhancing CityChurch's AVoIP Setup and Worship Experiences

Challenges

Setting up the network every Sunday was challenging due to the limitations of the previous equipment. The church services took place in a rented cinema, requiring a complete installation rebuild each week. Latency issues, audio dropouts, and lengthy setup times compounded the problem. These recurring frustrations underscored the urgent need for a more efficient and reliable network solution.

Results

- ✓ Simplified AVoIP management with an intuitive interface and Networked AV Mode
- ✓ 25% latency improvement and enhanced network performance through Broadcast Storm Control
- ✓ Centralized management reduces setup time and complexity for quicker deployment

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Industry
Advertising



Location
Vienna, Austria



- Products**
- Access Point
 - Switch
 - Firewall

The new deployment has given Demner.Group a modern, secure, and powerful network that meets the high demands of its creative work."

Walter Krichbaumer
IT & Operations Director DMB.

Creating Future-Ready Workspace in a Historic Setting

Challenges

DMB, part of Demner.Group, is located in a historic building on a technical university campus in Vienna, featuring one of the city's first reinforced concrete structures. Thick walls and network interferences made stable connectivity a challenge. When upgrading the network, wiring was not feasible, as it would require extensive construction, disrupt campus operations, and potentially damage the historic walls.

Results

- ✓ Seamless high-speed wireless connectivity for over 130 employees
- ✓ Enhanced security and scalability with AI-powered firewalls
- ✓ Minimal disruption to the historic building during a network upgrade



Industry
Manufacturing



Location
Ahmedabad, India



Products
• Switch

Boosting Surveillance Efficiency Across Multiple Factory Sites

Challenges

Building a robust surveillance infrastructure was vital for companies navigating dynamic business environments. The connectivity and efficiency demands of complex surveillance systems presented significant networking challenges. It was essential to deliver strong and flexible bandwidth for supporting multiple PoE devices, ensuring reliable operation, and improving monitoring capabilities.

Results

- ✓ Ensure high-performance surveillance infrastructure with robust features and easy management
- ✓ Power over Ethernet (PoE) support enables seamless connectivity for surveillance cameras and devices, enhancing efficiency
- ✓ Enabling link aggregation to enhance bandwidth and redundancy



Industry
Construction



Location
Switzerland



Products
• Mobile Router

Enhancing Construction Site's Network Reliability and Operations

Challenges

Construction sites usually lack traditional internet infrastructure, yet demand high-speed, reliable connectivity for real-time collaboration among clients, planners, architects, and construction management. The challenge for Birchmeier Group was to implement a solution that could deliver consistent internet access despite harsh environmental conditions and site mobility.

Results

- ✓ Effortless setup and management through the Nebula cloud platform
- ✓ Reliable and durable design withstands severe weather conditions and maintains consistent performance
- ✓ Easy mobility and reinstallation via the magnetic attachment enhance operational flexibility



Industry
Legal



Location
Busan, Korea



- Products**
- Access Point
 - Switch
 - Firewall

Securing Networks and Enhancing Legal Service Quality

Challenges

The Busan law firm needed to improve its network connectivity and security to enhance operational efficiency and productivity. It faced several critical network challenges, including ensuring robust security to protect sensitive client data from various cyber threats and providing uninterrupted wireless connectivity for staff and customers.

Results

- ✓ Robust network protection of sensitive client information
- ✓ Comfortable, uninterrupted wireless network environment
- ✓ Scalable infrastructure supports the firm's growing needs and boosts productivity
- ✓ Enhanced client engagement by providing law firm news notifications through WiFi connectivity



Chenmart International



Industry

Logistics



Location

Taichung, Taiwan



Products

- Access Point

Optimizing Network Efficiency for Cold Chain Logistics Company

Challenges

Operating in extremely low temperatures presented major challenges for the wireless communication at Chenmart's cold chain warehouse. At 20°C, signals weakened, reducing range and stability. To maintain effective communication, strong transmitters or additional signal relays were needed. Conventional access points often failed in freezing conditions, so specially designed models or insulation were required.

Results

- ✓ Optimal operational efficiency even in harsh environments
- ✓ Simplified and intuitive network interfaces enhance management efficiency via the cloud
- ✓ Responsive technical support provides peace of mind in network management

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Industry

Government



Location

West Bengal, India



Products

- Switch

Strengthening Surveillance Infrastructure at India's District Court

Challenges

The district court in West Bengal aimed to implement a comprehensive CCTV system across multiple buildings, ensuring reliable data transmission and robust connectivity to enhance security monitoring. The main challenge was building a scalable network infrastructure for effective coverage and ensuring compatibility with the PoE power system for the cameras.

Results

- ✓ Efficient power delivery and flexible uplink options for streamlined network management and scalability
- ✓ High-speed data transfer and bandwidth aggregation
- ✓ Robust network performance with multi-gigabit ports



International Airport in Gujarat



Industry

Airline



Location

Gujarat, India



Products

- Switch

Enhancing Surveillance Infrastructure at a Leading Airport in Gujarat

Challenges

Traditional indoor switches were insufficient for outdoor use, threatening the reliability of the CCTV network needed for extensive coverage. Gujarat's harsh climate, with extreme temperatures and humidity, required resilient equipment. Additionally, the airport needed a scalable solution for future expansion, emphasizing streamlined installation, maintenance efficiency, and robust backup solutions for continuous connectivity and power redundancy.

Results

- ✓ Eliminating the need for separate power cables with PoE functionality reduces installation costs and simplifies maintenance
- ✓ Enhanced surveillance capabilities, security, and operational efficiency
- ✓ Reliable infrastructure minimizes downtime and ensures stable outdoor camera operation in harsh conditions

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La New



Industry

Retail



Location

Taiwan



Products

- Firewall

Enhancing Cross-Store Operational Efficiency and Data Security

Challenges

La New faced challenges building VPN networks, as its stores are spread across Taiwan without on-site IT personnel. All equipment was managed remotely by headquarters' IT staff, making configuration risky; improper setup could lead to network interruptions or connectivity issues between stores. Installing and managing VPN networks required specialized technical knowledge, so the IT team needed reliable support to address any issues promptly.

Results

- ✓ Seamless communication and operational efficiency across stores
- ✓ Robust network security safeguards against external threats and ensures data security
- ✓ Streamlined technical support simplifies the troubleshooting process and minimizes downtime

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NETWORKS