

2025

SELECTED CASE STUDIES



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Ruijie | ReYCC

HOSPITALITY



RADISSON BLU



Saudi Arabia | Hospitality



CUSTOMER BACKGROUND

Radisson Blu Hotel, Jeddah Al Hamra, is a premium hotel located near the coastline in the heart of Jeddah. It serves both business and leisure travelers, offering onsite offices, conference centers, and essential amenities. The hotel is conveniently situated close to major attractions, making it an ideal choice for visitors looking for comfort and accessibility in Jeddah.



REQUIREMENTS

- Install wall-mounted APs in each guest room.
- Deploy high-density APs in common areas for heavy guest traffic.
- Use mesh networking for broader coverage.
- Implement dynamic bandwidth allocation for optimal performance.
- Use cloud-based management for remote monitoring and updates.

RUIJIE SOLUTION

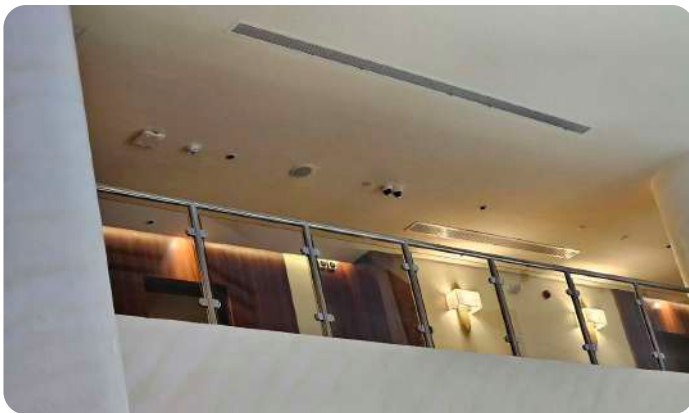
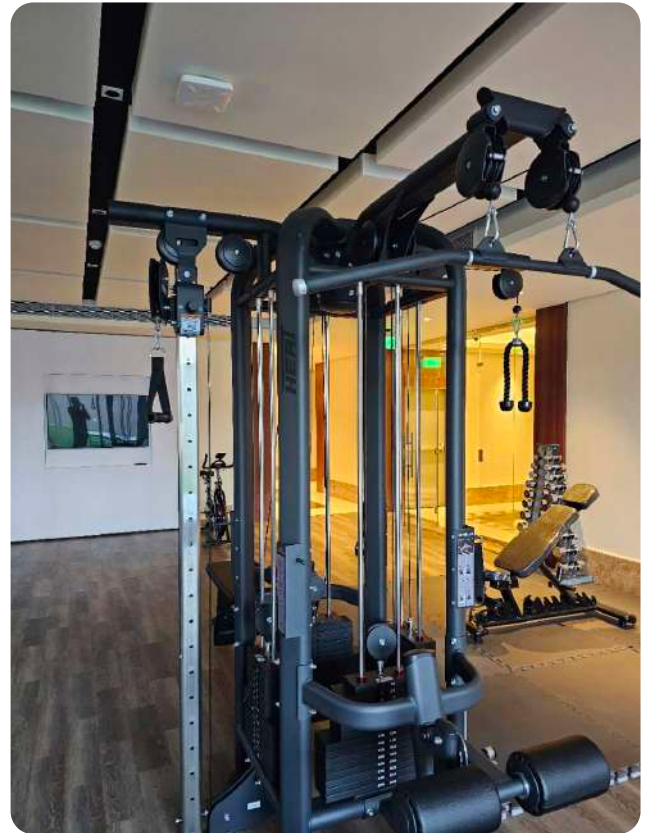
The backbone switch RG-S6120-20XS4VS2QXS provides 10G connectivity.

Install access switches RG-NBS3200-24GT4XS-P & RG-NBS3200-48GT4XS-P.

Install Reyee RAP1200(P) in every guest room.

Install Reyee RAP2260 & RAP2260 (H) in high-density areas.

Provide Wi-Fi cloud management, achieving secure Wi-Fi and easy troubleshooting.



PRODUCT LIST

Switch	1 x RG-S6120-20XS4VS2QXS 12 x RG-NBS3200-24GT4XS-P 5 x RG-NBS3200-48GT4XS-P
AP	350 x RAP1200(P) 50 x RAP2260 30 x RAP2260 (H)



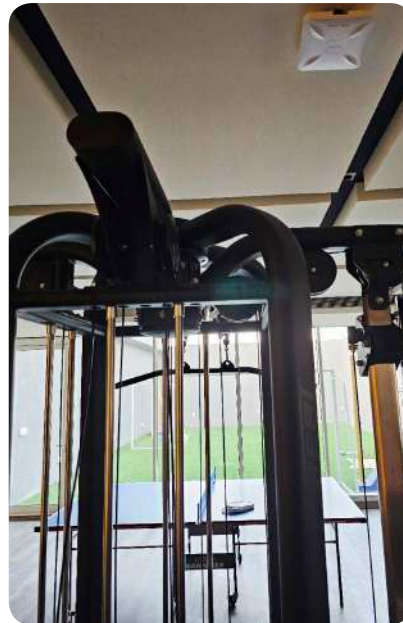
SAY YES

//

Thank you for delivering such a comprehensive and future-proof Wi-Fi solution tailored to our hotel's needs.

RESULTS

- Deployment of Ruijie Reyee's latest Wi-Fi solution, delivering a high-performance, secure, and scalable Wi-Fi network that meets expectations of a 5-star hotel
- Strong signal coverage throughout the hotel, ensuring reliable connections in all areas
- High-speed Internet that supports seamless browsing and streaming for guests
- Efficient bandwidth allocation, ensuring that all guests and staffs enjoy balanced and optimal network performance
- Enhanced guest experience with fast and reliable internet, contributing to overall satisfaction
- Centralized and free cloud management, allowing easy network monitoring and maintenance without additional cost



MERCURE ICON SINGAPORE CITY CENTRE



Singapore | Hospitality



CUSTOMER BACKGROUND

Mercure ICON Singapore City Centre, located in the heart of Singapore with 1000 rooms, is strategically situated near Chinatown and Telok Ayer MRT stations.

The hotel requires a stable and high-speed wireless network to meet demands of a large number of guests and staffs, ensuring seamless coverage and a superior online experience.



REQUIREMENTS

- Stable high-speed Internet connectivity for 1,000 rooms and public areas
- Seamless Wi-Fi coverage across the entire hotel
- Support for IPTV services to enhance guest entertainment
- Scalable solution to support increasing demands and future upgrade

RUIJIE SOLUTION

IPTV and Wi-Fi Integration: Implement a solution that supports both IPTV and Wi-Fi services, ensuring seamless entertainment and connectivity for end customers.

Comprehensive Wi-Fi Coverage: Deploy Wi-Fi 5 APs on walls and ceilings to ensure complete coverage in all indoor areas, providing stable and high-quality connectivity throughout the hotel.

Support a variety of devices, including smart TVs, smartphones, and tablets, ensuring seamless connectivity and enhanced user experience.

Ensure network security with 802.1X authentication, WPA3 encryption, and unauthorized access prevention to protect data transmission across the network.



PRODUCT LIST

Switch	30 x RG-NBS3200-24GT4XS-P 2 x RG-NBS3100-48GT4SFP-P 1 x RG-CS85-24SFP/8GT8XS-D 1 x RG-CS85-24GT8XS-D
AP	76 x RG-RAP2260 (E) 989 x RG-RAP1200 (P) 4 x RG-AP820L (v3)

PENTAHOTEL



Hong Kong China | Hospitality



CUSTOMER BACKGROUND

Pentahotel Hong Kong, Tuen Mun, is upgrading its decade-old network infrastructure, including access points, PoE switches, and core switches, to enhance connectivity for offices, guest rooms, and public areas ahead of its 2016 launch.



REQUIREMENTS

- Support for PoE and PoE+ to power connected devices.
- Implement three VLANs: internal, guest, and management VLANs.
- Deploy ACLs to control access between VLANs, restricting guest access to internal and management networks.
- Upgrade network speed to 1 Gbps for better performance.

RUIJIE SOLUTION

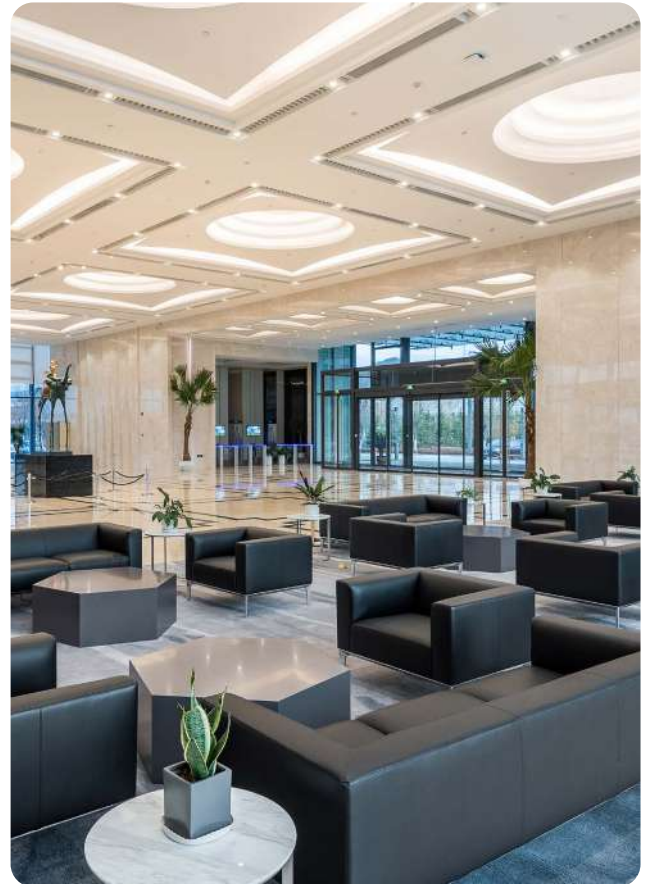
Deploy RG-S6250 and CS86 core switches with ACL, VLAN, and optical uplink support, offering robust security and scalability.

Utilize 24/48-port switches with 1 Gbps Ethernet and 10G optical uplinks for seamless high-speed connections.

Install RG-AP810-L access points for fast, reliable wireless performance with optimized channel tuning.

Leverage Ruijie Cloud to easily create custom landing pages without third-party tools.

Simplify device setup using the Ruijie app's QR code scanning feature.



PRODUCT LIST

Access switch	15 x RG-NBS3100-48GT4SFP-P 19 x RG-NBS3100-24GT4SFP-P 5 x RG-NBS3200-24GT4XS-P 1 x RG-NBS3200-48GT4XS-P
Core switch	2 x RG-S6250-48XS8CQ 2 x RG-CS86-20XS4VS2QXS-D
AP	70 x RG-AP840-L 28 x RG-AP810-L

JAZ HOTEL OLBIA



Italy | Hospitality



CUSTOMER BACKGROUND

Jaz Hotel Olbia is a luxury hotel in the center of Olbia, Sardinia, catering to both leisure and business travelers. The hotel offers modern facilities and beautiful views, with a focus on providing seamless services.

A robust network infrastructure is essential to support guest needs, including streaming and communication.



REQUIREMENTS

- Improve Wi-Fi coverage and capacity, especially in hotel rooms, corridors, balconies, poolside area, and gardens.
- Upgrade routers to support 2.5G bandwidth for faster speed and better reliability.
- Use cloud management to monitor the device/client status.
- Outdoor APs need to support IP68.

RUIJIE SOLUTION

To meet customer needs, twenty outdoor omnidirectional APs with IP68 rating ensure reliable performance in harsh conditions.

An indoor AP covers the reception area, while seven PoE switches provide wired connections for APs and cameras.

A router with WAN traffic balancing ensures smooth connectivity for up to 1,000 users, maintaining network performance and delivering a secure browsing experience for guests. The new Reyee RG-EG1510XS router, with 2.5 Gbps LAN ports and SFP+ ports, will soon be added.



PRODUCT LIST

Gateway	RG-EG1510XS
Access Switch	RG-NBS5200-48GT4XS
Outdoor AP	RG-RAP6262(G)
Indoor AP	RG-RAP2260(G)

DORSETT GRAND SUBANG

5-Star Hotel in Selangor

Ruijie | ReYCC



Malaysia | Hospitality



PAIN POINT

- Existing equipment is too old and going to upgrade
- Due to limited budget, the solution needs to be cost-effective
- Customer always facing not easy to manage and visibility for the devices status
- Wifi is unable to do fully coverage for whole hotel area with different scenario
- Other brand unable deliver equipment during Pandemic period
- Proposed by other brand solution with controller over budget
- Other brands unable to deliver equipment during the Pandemic period

REQUIREMENT

- cost-effective solution
- Simplified management and visibility for the devices status
- Full coverage for whole hotel area with different scenarios
- Device offline notification
- On-time Delivery in Pandemic period
- No single point of failure

SOLUTIONS

Hopitality Network Solution

DORSETT GRAND SUBANG



Ruijie wall plate AP giving good usage experience and less interference.

PRODUCT LIST

Switch	2	x RG-S5750C-28SFP4XS-H
	54	x RG-S5310-24GT4XS-P-E
Wireless	3	x RG-WS6008
	1	x RG-AP630
	502	x RG-AP180
	85	x RG-AP820-L(V2)
Manag -ement	16	x RG-AP840-I
	Ruijie Cloud	

CASE DETAIL

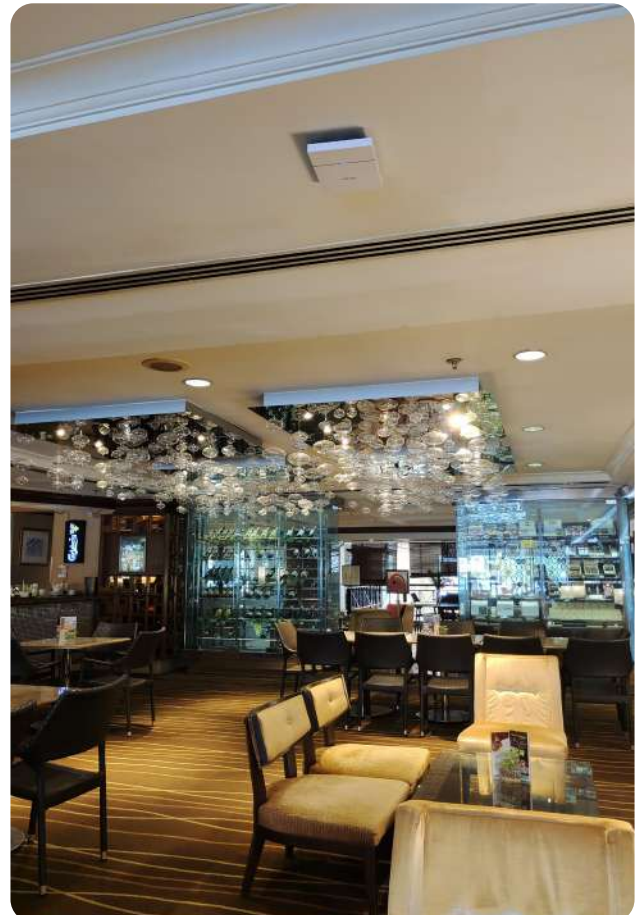
Dorsett Grand Subang prides itself with great achievement as 5-star hotel in Selangor, Malaysia through its great service provided to fellow hotel guests.

There are 478 contemporary rooms and suites, restaurant, Gym room, Swimming pool and etc. in the hotel.

Proposed by cost effective Ruijie Ap and switches model.

Ruijie Outdoor got better coverage, one enough cover whole swimming pool.

Ruijie roaming helps with coverage without intermittent disconnection problem.



DORSETT GRAND SUBANG



RESULTS

- Cost effective and good performance
- Cloud Management is easy to monitor Ruijie devices
- Redundancy and resiliency using Ruijie Solution



Ruijie solution gives us high quality solutions, excellent wireless coverage area and seamless roaming all over Hotel. Able to deliver projects during CPU shortage period.

Mohd Nasir Ali
(IT Manager)



Ruijle | Reyce

EDUCATION



BAŞKENT UNIVERSITY

Overall Solution for university with 17000 students and 1669 staff

Ruijie | ReYCC



Türkiye | Education



PAIN POINT

- Baskent University already uses Ruijie Networks for more than a year in its hospital and is very satisfied with performance.
- Başkent would like to ensure the same performance in their new Engineering Faculty



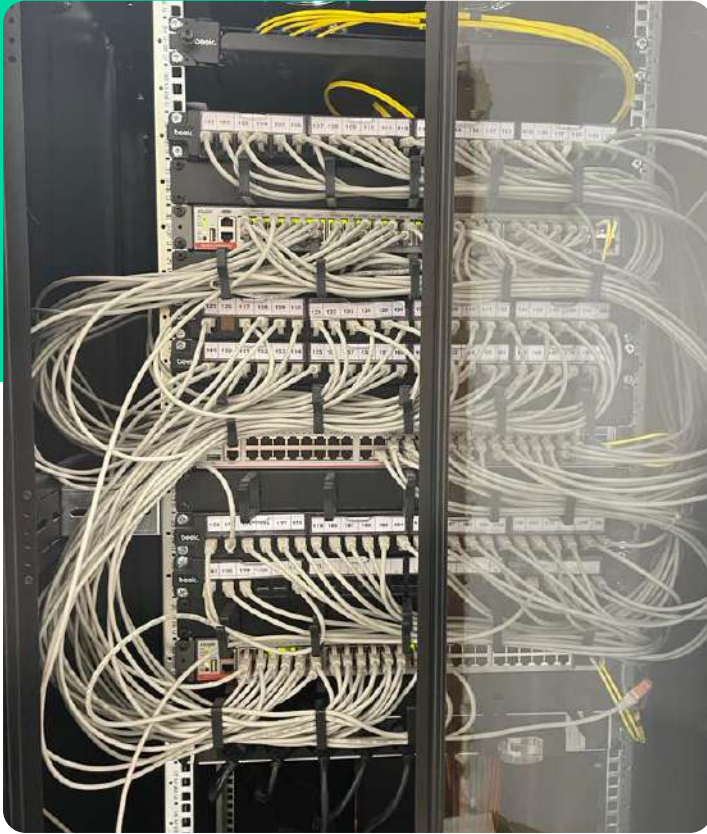
REQUIREMENT

Başkent University new Engineer Faculty Wired & Wireless network.

- Wired high bandwidth
- Wireless full coverage

SOLUTIONS

Campus Network Solution



CASE DETAIL

Başkent University's educational activities started in 1994 at Başkent University with 11 Faculties, 1 State Conservatory, 6 Vocational Schools, 7 Institutes and a School of Foreign Languages., 17000 students, 1669 academic staff, 47000 alumni

Backbone **RG-S6510-4C** provides 25G/40G/100G high-density scenario. Full redundancy and backup

Aggregation and high performance required access switch provided **RG-S5760** series

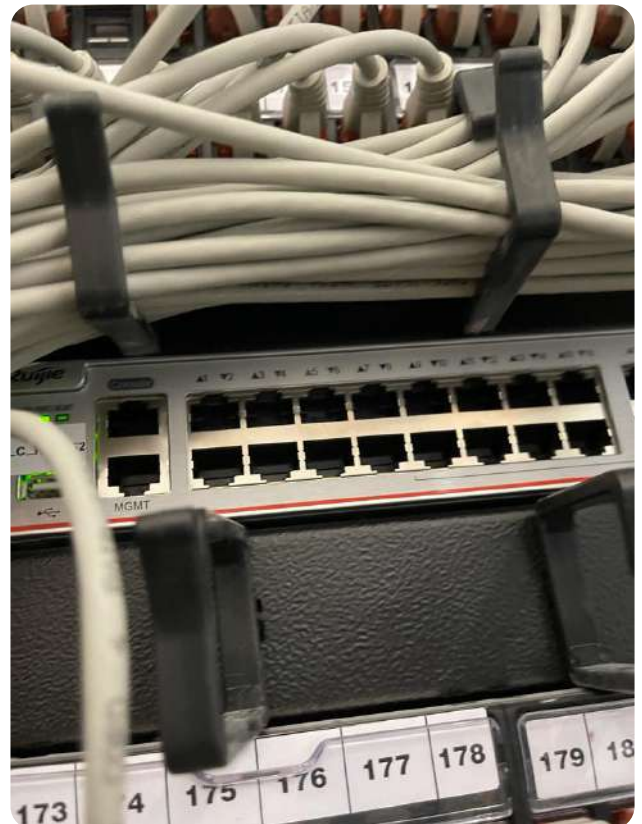
Access switch **RG-S5310** series provides high security, high efficiency, intelligence, and energy saving options

Install Ruijie AP **RG-AP820-L (V3)** and **RG-AP840-I** for Indoor Wi-Fi6 AP to provide high performance, seamless roaming

Wi-Fi Central management **RG-WS6108** and WIS integration, provide secure Wi-Fi and AI-based troubleshooting

PRODUCT LIST

Switch	1	x RG-S6510-4CC
	25	x RG-S5310-48GT4XS-P-E
	35	x RG-S5760C-48GT4XS-X
	20	x RG-S5310-24GT4XS-P-E
Wireless	1	x RG-WS6816
	85	x RG-AP840-I
	20	x RG-AP820-L(V3)





RESULTS

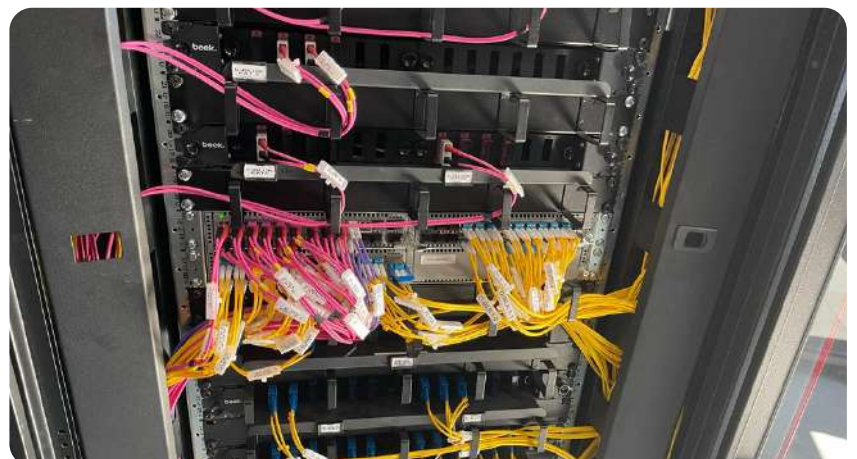
- RG-S6510-4C new-generation, expandable high performance
- RG-S6510-4C 25/40/100G increased bandwidth
- Wi-Fi6 AP comply high-density scenarios for University's requirements
- Compatible Enterprise solutions can integrate with 3rd part of PMS Integration
- RG-WS6816 ready for Centralized or Distributed Intelligent Switching for local and remote branch faculties



We are glad to choose Ruijie, the success of the Ankara Başkent University Hospital, we are very pleased to have our campus project and also Engineering Student's network trainings by Ruijie

Mehmet ALTUN

(Başkent Hastanesi Bilgi İşlem Daire Başkanı)



ALFURSAN ACADEMY



Saudi Arabia | Education



CUSTOMER BACKGROUND

AlFursan Academy, located in Riyadh, Saudi Arabia, focuses on providing high-quality training and education services for its students.

To support teaching activities, online learning, administrative management, and smart campus facilities, the academy requires an efficient and reliable network system.

The network should ensure high-speed Internet connectivity to support online courses, video conferences, and other digital learning tools, while also ensuring smooth operations of internal management systems and security monitoring.

REQUIREMENTS

- Full Wi-Fi coverage for classrooms, administrative offices, and outdoor areas
- High capacity and bandwidth
- Centralized management and visibility
- Enhanced security measures
- QoS for key applications
- Seamless roaming across the campus

RUIJIE SOLUTION

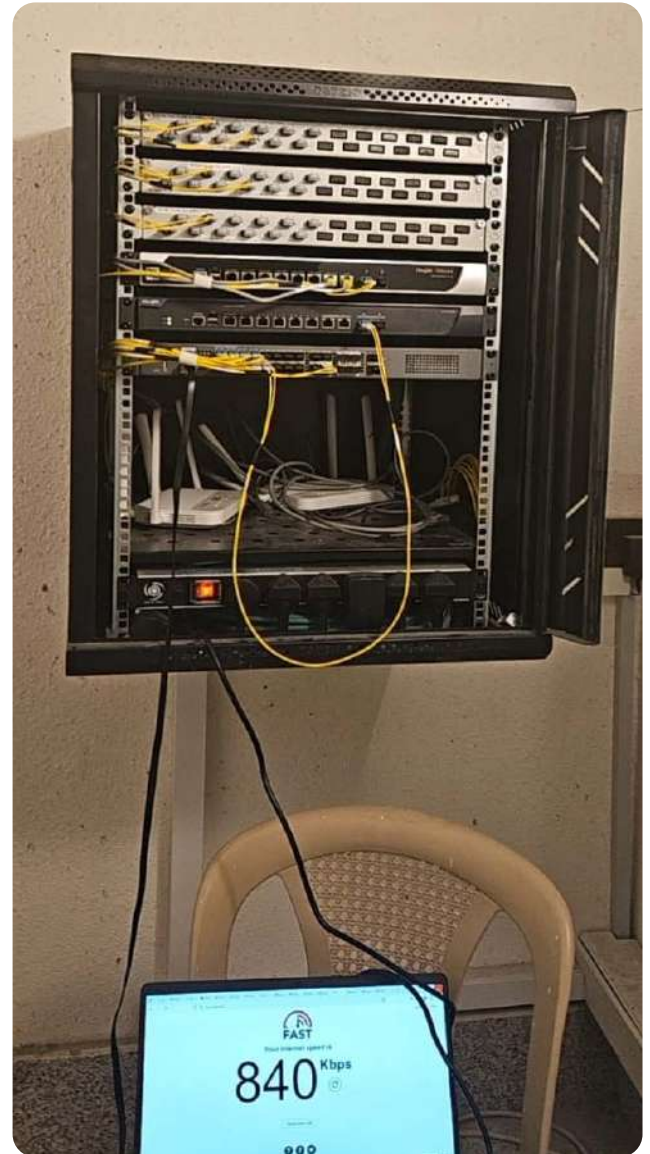
The RG-S6120-20XS4VS2QXS backbone switch provides 10G connectivity.

The RG-NBS3200-24GT4XS-P and RG-NBS3200-48GT4XS-P are used as access switches.

Install Ruijie AP820-L (V3) access points in corridors and classrooms.

Install Reyee AP680CD access points in playgrounds.

Wi-Fi cloud management provides secure Wi-Fi and easy troubleshooting.



PRODUCT LIST

Gateway	1 x RG-NBR6215-E
Switch	1 x RG-S6120-20XS4VS2QXS 12 x RG-NBS3200-48GT4XS-P 2 x RG-NBS3100-24GT4SFP-P
AC	1 x RG-WS6008 36 x RG-AP820-L(V3) 2 x RG-AP680(CD)



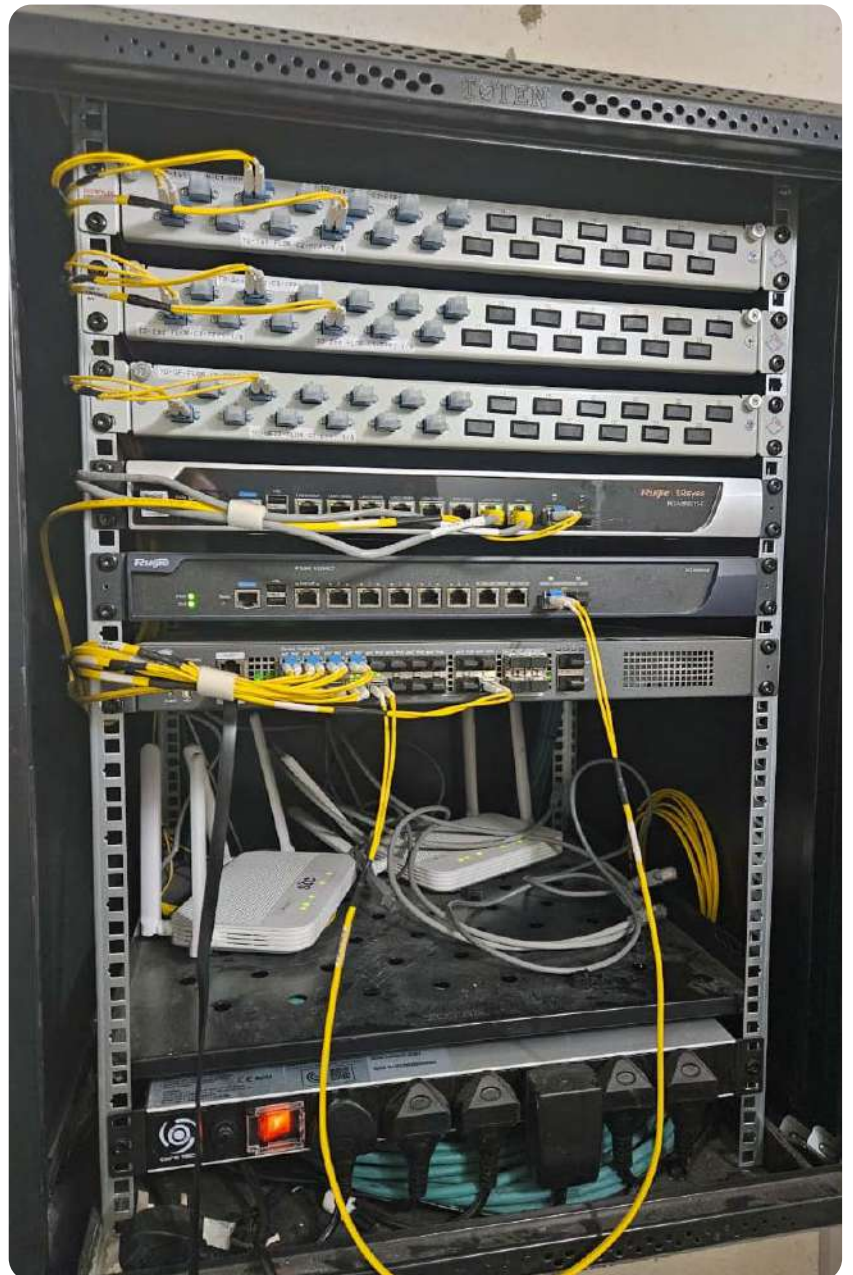
SAY YES

“

I liked Ruijie Solution. The coverage is exceptional, and students and staff can connect seamlessly from anywhere on the school.

RESULTS

- Strong Signals: Reliable, high-quality coverage in all areas
- High-Speed Internet: Fast and seamless browsing experience
- High-Speed Connectivity: Smooth and uninterrupted connectivity for all devices
- Efficient Bandwidth: Optimal resource allocation, avoiding congestion
- Enhanced Guest Experience: Improved satisfaction with fast, stable Wi-Fi
- Centralized Cloud Management: Easy remote management with no extra cost



QUANG TRUNG UNIVERSITY



Vietnam | Education



CUSTOMER BACKGROUND

Quang Trung University in Vietnam is a comprehensive higher education institution with growing network demands from students, faculty, and visitors. The university requires a stable and efficient network to support daily teaching, online learning, and research activities. The network must provide seamless coverage across classrooms, libraries, and dormitories, ensuring fast access for high-density users and smooth operation of online courses, remote collaboration, and smart campus applications.

REQUIREMENTS

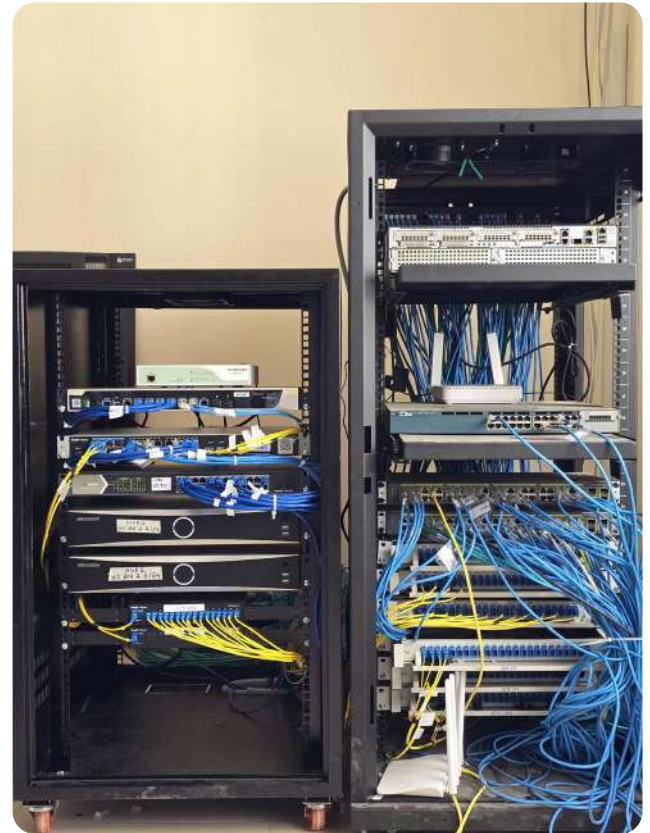
- The customer's existing Wi-Fi 5 system fails to meet current demands, requiring an upgrade to a more efficient and stable network solution.
- Deliver faster speeds and more reliable connections to enhance user experience.

RUIJIE SOLUTION

The Ruijie E-lighten Solution combines a PON-based optical network with a traditional hybrid approach. An E-lighten core switch serves as the central hub.

PTP connections with Ruijie enterprise switches ensure stable networks in offices and dormitories, while PTMP connections with E-lighten APs deliver fast, reliable Wi-Fi for classrooms, supporting seamless learning.

The solution utilizes Ruijie Cloud for centralized management, enabling remote device configuration and real-time network monitoring. E-lighten APs feature intelligent RF optimization and seamless roaming, ensuring stability and efficiency for multiple concurrent users, meeting diverse needs in educational environments.



PRODUCT LIST

Gateway	1 x RG-NBR6215-E
Switch	1 x RG-CS85-24SFP/8GT8XS-D 7 x RG-CS83-24GT4XS-P 2 x RG-CS83-12GT4XS-P 1 x RG-NBF 5200M-8FS16GT4XS 10 x RG-SPL2016-SC
AP	17 x RG-AP820-L(V3) 75 x RG-APF 1250

COLEGIO HEBREO MONTE SINAÍ



Mexico | Education



CUSTOMER BACKGROUND

The school consists of two auditoriums (each seating 1,200 people), maker classrooms, computer rooms, a library, interactive rooms, a cafeteria, a soccer field, a volleyball court, a dining room, and more than 50 classrooms.

The school requires an efficient wireless network to ensure stable connectivity across all areas, meeting the daily educational and administrative needs, especially in high-density areas such as auditoriums and classrooms.

REQUIREMENTS

- Provide full wireless coverage in the entire school to provide Internet connections for teachers and students.
- Implement different network profiles depending on the end customer connections such as management and education department and students.
- Use centralized platform to manage network devices in an easy and simple way.

RUIJIE SOLUTION

Provide high-performance, stable wireless connections to meet educational needs.

Achieve full campus coverage with seamless Wi-Fi signals.

Support high-density environments, ensuring stability during heavy traffic.

Use advanced encryption and authentication to ensure network security.

Simplify network management and monitoring through a cloud platform.

Optimized Device Connections: Smart traffic management and load balancing ensure that each device across the campus maintains a stable connection, whether in classrooms, labs, or public areas.



Automatic Fault Rectification: The network system features automatic fault detection and rectification, ensuring quick restoration of network services in case of device or link failures, minimizing

PRODUCT LIST

Switch	1 x RG-S6120-20XS4VS2QXS 6 x RG-NBS5200-48GT4XS-UP 1 x RG-ES209GC-P
AP	57 x RG-RAP2260(H) 47 x RG-RAP2260(G) 2 x RG-RAP2260(E)
Controller	1 x RG-EG310GH-P-E

Ruijie | Reycce

FACTORY



SURAT JEWELLERY MANUFACTURERS ASSOCIATION

SJMA has over 60 jewellery manufacturing companies as their members.



India | Factory



PAIN POINTS

- The exhibition hall has a maximum capacity of over 2,000 individuals. In instances of high crowd density, the mobile network communication for visitors becomes significantly challenging.
- The previous Wi-Fi infrastructure struggled to accommodate a large number of visitors, and its roaming performance was poor.
- Due to previous network devices from different vendors, centralized management could not be achieved.



REQUIREMENTS

- A comprehensive solution, preferably providing a complete set of devices
- Stability and high performance of the entire network architecture
- Roaming throughout the hall
- Ensured basic network usage during peak attendance
- A single platform for operation and maintenance

SOLUTION

Ruijie Wireless Solution

CASE DETAILS

There are many obstacles affecting the quality of wireless signals. Determining the optimal placement of APs to ensure seamless network roaming and minimal interference between APs is also challenging.

Usedirectional AP for the network layout in the exhibition area. Avoid cross-interference of wireless signals while providing high-performance wireless connectivity.

Based on Ruijie APs and Ruijie Cloud integration, the captive portal can restrict the number of devices accessing Wi-Fi for visitors. This keeps the number of Wi-Fi connections within a manageable range, avoiding situations where devices connect to Wi-Fi but have no network traffic.



PRODUCT LIST

Gateway	1 x RG-NBR6215-E
Switch	2 x RG-NBS3200-24GT4XS-P
AP	20 x RG-AP680(CD)
Management	Ruijie Cloud



RESULTS

- The entire hardware architecture upgrade enhances routing and switching capabilities.
- Twenty Ruijie APs cover a venue of 150,000 square feet, providing a good network experience for visitors' casual usage.
- Seamless Wi-Fi roaming is deployed for the venue with one SSID.
- Users are authenticated through Ruijie captive portal with limited devices.
- The IT team can perform remote troubleshooting through Ruijie Cloud.



SAY YES

I chose Ruijie, and I am happy with its performance. There are almost 2,000 users, and they are using the Internet without any challenges. This is a very successful and enjoyable collaboration with Ruijie.

Mr. Ankit Sharma
(Project Consultant)



BAREM GAZIANTEP PACKAGING FACTORY

Barem Packaging contributes to the Turkey's economy by exporting to 17 countries.



Türkiye | Factory



PAIN POINTS

- Lack of wired and wireless connectivity capacity due to poor hardware infrastructure
- Difficulty in maintaining overall performance with products from different vendors
- Inability to centrally manage network devices across our facilities in different locations



REQUIREMENTS

- Offer a complete solution covering backbone switches, access switches, and APs.
- Expand wired infrastructure to enhance the connectivity capacity.
- Satisfy comprehensive usage of IoT devices.
- Offer a centralized platform to manage the devices.

SOLUTION

Ruijie Manufacturing Solution

CASE DETAILS

The **RG-S6120-20XS4VS2QXS** 10GE switch offers high availability with zero downtime. Its full 10G optical port ensures consistent high performance.

The **RG-AP820-L(V3)** Wi-Fi 6 AP delivers high-density coverage performance at an entry-level price compared to other brands. Moreover, the **RG-AP680(CD)** outdoor directional AP, with its expansive coverage distance and IP68 rating, ensures efficient coverage of outdoor areas.

The **RG-WS6008** access controller facilitates central device and authorization management, enabling seamless roaming for all APs. The VAC feature ensures high availability with zero downtime, enhancing the overall reliability of the network.

Ruijie's CHD technology is implemented through AC and AP collaboration, ensuring no impact on the service experience.



PRODUCT LIST

Switch	2 x RG-S6120-20XS4VS2QXS 5 x RG-S2910C-48GT2XS-HP-E 8 x RG-S5310-24GT4XS-P-E
AP & AC	33 x RG-AP680(CD) 109 x RG-AP820-L(V3) 2 x RG-WS6008



RESULTS

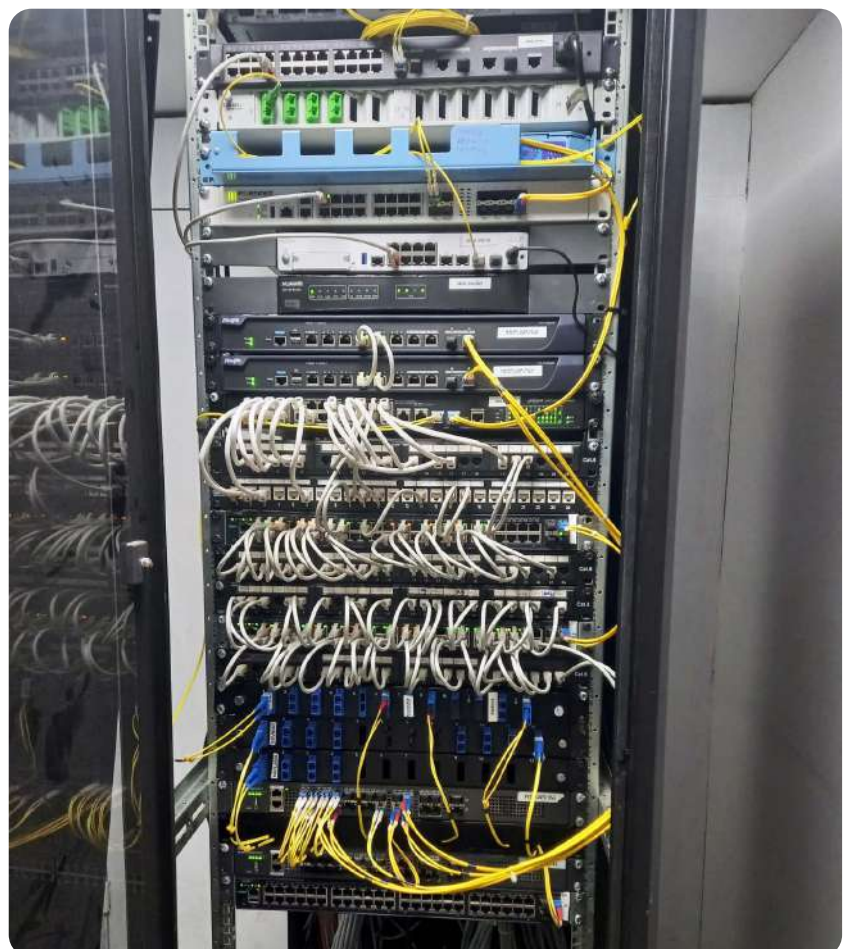
- Ruijie meets all customer requirements with the same brand, the same CLI, and the same management platform.
- Ruijie provides a more simplified management environment compared to other brands.
- One significant advantage of the Ruijie switch is the ability to automatically shut down ports in case of cable faults.
- The centrally located controller continues to operate seamlessly regardless of its physical location, ensuring uninterrupted system performance.



SAY YES

We chose Ruijie products because we needed a 10 Gbps infrastructure for our new ERP project, along with IoT infrastructure and APs across all our business units. Ruijie provided us with a significant advantage in terms of performance and centralized management of devices. We received satisfactory support from Ruijie Turkey whenever we needed assistance, both during and after the installation and configuration process. We plan to continue our partnership with Ruijie in our upcoming facility projects.

Alperen Avcu
(Gaziantep Factory Manager)



AJINOMOTO LONG THANH FACTORY



Vietnam | Factory



CUSTOMER BACKGROUND

The Ajinomoto Long Thanh Factory integrates advanced automation with AGV robots to enhance production and storage efficiency.

Reliable network infrastructure is essential to support seamless communication between automated systems, ensuring smooth operations and optimal performance.

REQUIREMENTS

- Reliable Wi-Fi for AGV robots
- Smooth handover with no packet loss during device roaming
- Uninterrupted Wi-Fi across the entire area

RUIJIE SOLUTION

Provide the full Wi-Fi 6 solution to ensure seamless connectivity for AGV robots.

Ruijie Reyee APs: High-speed Wi-Fi 6 coverage with reliable performance, ensuring uninterrupted connectivity for AGV operations

Ruijie AC: Centralized management of all APs

Effective Roaming: Smooth handover without packet loss for uninterrupted AGV communication

On-Premise Management: Simplified network administration and real-time onsite monitoring



PRODUCT LIST

Switch	1 x RG-CS83-24GT4XS-PD 2 x RG-PA600I-P-F
AP	6 x RG-AP680-L
AC	RG-WS6008

GRANJA BELICHON TARAICON



Spain | Factory



CUSTOMER BACKGROUND

Granja Belichon Taracón is a new farm specializing in production of high-quality livestock products. To streamline operations, manage inventory, and track production, the farm is seeking a reliable network solution to ensure seamless data flow and improve efficiency across its management and monitoring systems.



REQUIREMENTS

- Ensure stable Wi-Fi connectivity across the entire farm.
- Support device communication.
- Ensure seamless communication between the pigs' chip identification system and the feeding machine for accurate feed distribution.

RUIJIE SOLUTION

To ensure seamless communication and continuous monitoring across the farm, the network infrastructure will be optimized with intelligent traffic management. By integrating Ruijie Cloud, network performance and security will be easily monitored and managed remotely, providing real-time analytics and alarms for any potential issues.

This centralized platform simplifies network configuration, ensuring smooth operations and quick troubleshooting when necessary. Additionally, the deployment of RG-AP2200E access points will cover all critical areas of the farm, from animal enclosures to feeding areas, ensuring uninterrupted connectivity for the chip identification system and feeding machine operations.

By deploying RG-ES218GC-P switches and EG105G edge gateway, the farm's automation system will function efficiently, with minimal downtime and improved productivity.



PRODUCT LIST

Gateway	1 x EG105G
Switch	5 x RG-ES218GC-P
AP	22 x RAP2200E

Ruijie | ReYCC

ENTERPRISE



BANK OF CHINA HONGKONG

Wi-Fi solution for more than 190 bank branches

Ruijie | ReYCC



China | Enterprise



PAIN POINT

- Not enough manpower to manage and monitor 190 branches Wi-Fi Network
- High cost for using Firewall to perform application control and web filtering for branches Wi-Fi
- The marketing team doesn't have skill set on programming to modify the captive portal when promotion information is changed



REQUIREMENT

- Stable Wi-Fi service for visitor casual usage
- High performance Wi-Fi service for their sales team
- Application control for the Wi-Fi network.
- Efficient management and on-going support for the Wi-Fi network in more than 190 branches
- Flexible captive portal as promotional tools to deliver information to customer

SOLUTIONS

Unified Branch Wi-Fi solution



PRODUCT LIST

Wireless	240 x RG-AP810
Gateway	1 x RG-EG2100-P
Manag-ement	Ruijie Cloud

CASE DETAIL

Bank of China (Hong Kong) Limited have the most extensive branch network and diverse service platforms in Hong Kong, including more than 190 branches, offer a comprehensive range of financial, investment and wealth management services to personal, corporate and institutional customers.

Ruijie solutions helped BOC HK to build a captive portal for end users and lead them to the financial products they're promoting

Ruijie Cloud helped BOC HK to manage all the APs in more than 190 branches.

Ruijie **EG2100-P** helped BOC HK to regulate the visitor's internet access





RESULTS

- Bandwidth Control ensures the Sales Team has high performance Wi-Fi throughput to perform their business
- With Ruijie RG-EG2100-P, Application Blocking can be achieved and ensure there will be no visitors using customer provided free Wi-Fi service to visit inappropriate websites and use inappropriate application
- With Ruijie Cloud, customers can easily monitor all of the branch Wi-Fi network centrally. Installer also easily remote support when there is any issue with any of the branch Wi-Fi network
- Customers can easily use our Ruijie Cloud to customize their captive portal frequently and make it as a promotional tool



Thanks to Ruijie Cloud, we can maintain networks in different branches easily

IT Manager





CUSTOMER BACKGROUND

Saudi Arabian Oil Company, is one of the largest and most valuable companies in the world in the energy sector. Saudi Aramco's business growth led to campus expansion.

For PTP installation of new IP cameras onsite, they want to implement IP cameras in harsh environment without cabling to ensure safety of labours.



REQUIREMENTS

- Connect IP cameras across the expansive Aramco site to a central monitoring station.
- Avoid high expenses of installing fiber cables or traditional wired networks.
- Ensure continuous connectivity and performance regardless of environmental challenges.
- Provide a seamless, high-bandwidth solution to support real-time video feeds for identifying safety violations.

RUIJIE SOLUTION

18 x Ruijie EST350 CPEs:

Deploy CPEs on the wireless bridge network, connecting remote IP cameras to the main monitoring station in P2P or P2MP mode.

Centralized Management:

Ruijie Cloud provides easy remote management, monitoring, and troubleshooting of the wireless bridge solution.

Scalability Support: The wireless bridge network composed of Ruijie EST350 CPEs can be flexibly expanded to add more remote devices to the main monitoring station, accommodating future network growth.

Real-Time Performance Optimization: Ruijie Cloud automatically adjusts wireless bridge network settings based on real-time data, optimizing signal strength and connection stability to ensure devices running in optimal working condition.



PRODUCT LIST

Switch

18 x EST350



RESULTS

- **Effective Safety Monitoring:**
The IP camera system now enables real-time query of laborers, ensuring compliance with safety standards such as wearing helmets and vests.
- **Cost Savings:**
Eliminate the need for extensive cabling, reducing both upfront and ongoing maintenance costs.
- **Reliable Connectivity:**
Stable, long-distance wireless connections over the vast site ensure uninterrupted video feeds even under harsh conditions.
- **Improved Efficiency:**
Enable faster response to safety violations, enhancing overall site safety and operational productivity.



SAY YES

“

The Ruijie wireless bridge solution with 18 EST350 devices has completely transformed our safety monitoring system. We can now obtain the situation of our laborers in real time and ensure compliance with safety regulations without the need for costly infrastructure.





CUSTOMER BACKGROUND

Elettrovial Srl is a company specializing in installation of electrical systems, both civil and industrial. It also deals with installation of photovoltaic systems and video surveillance systems.

These systems are crucial for ensuring safety, energy efficiency, and modernization of infrastructure.



REQUIREMENTS

- Improve network stability. Address issues such as insufficient bandwidth, outdated equipment, and congestion to improve speed and productivity.

Expand Wi-Fi coverage. Overcome layout and wall obstruction issues to ensure stable connectivity in all office areas for meetings and video calls.

RUIJIE SOLUTION

Ruijie's solution for wireless office connectivity combines robust hardware to support over 300 users, ensuring stable, high-performance connectivity across the office.

Switches facilitate efficient network traffic management, enabling seamless data flow across the network. The RG-CS86 switch ensures high-speed connections between core and edge devices, while RG-NBS3200 switches provide scalable connectivity to support a large number of users and devices.

The RG-RAP2260 access points are strategically deployed throughout the office to ensure full Wi-Fi coverage, supporting seamless and uninterrupted connectivity. The APs support advanced features such as Layer 3 roaming, which ensures that users can move around the office without experiencing disconnection.

With Ruijie Cloud, network administrators can easily monitor and manage the entire network remotely. This cloud-based platform simplifies the network configuration,

streamlines troubleshooting, and allows for efficient bandwidth allocation.



PRODUCT LIST

Switch	1 x RG-CS86-20XS4VS2QXS-D 3 x RG-NBS3200-48GT4XS-P
AP	10 x RG-RAP2260

LÜTFİ KIRDAR CONVENTION CENTER ICEC

A Prominent Landmark in Istanbul



Türkiye | Enterprise



PAIN POINTS

- Wireless and wired infrastructure was provided by devices from different vendors.
- Within different congress halls and expo areas, APs do not provide full coverage.
- Troubleshooting is performed per device, which is time-consuming.
- There is no enough PoE budget for PoE devices.



REQUIREMENTS

- Standardize infrastructure with a unified brand.
- Upgrade the PoE power supply and network topology.
- Require high bandwidth, stable connections, and security policies.
- Ensure a consistent and reliable network experience throughout the center.
- Enable seamless Wi-Fi roaming between different areas.
- Facilitate easy and efficient remote management.

SOLUTION

Ruijie ELV Enterprise Solution

CASE DETAILS

The backbone switch underwent an upgrade, resulting in improved throughput to edge switches and enhanced general switching capacity.

The bandwidth in the critical operation area was enhanced by deploying the **RG-S5310** switch. This resulted in establishment of a 10G connection with the backbone switch.

The upgraded switches provide flexible ports that can cater to various demands, improving performance redundancy, and ensuring assurance of potential future expansions.

Deployed high-performance Wi-Fi 6 APs achieve full wireless coverage and seamless roaming.

Utilizing both AC and Ruijie Cloud solutions, the congress hall can now host events with high levels of security and confidentiality while achieving flexible wireless service.



PRODUCT LIST

Switch	1 x RG-S5310-48GT4XS-P-E 1 x RG-S5310-24GT4XS-P-E 3 x XS-S1920-26GT2SFP-P-E 1 x XS-S1960-24GT4SFP-UP-H 2 x RG-ES205GC-P
Wireless	1 x RG-WS6008 17 x RG-AP130W2(V2) 14 x RG-AP820-L(V2) 3 x RG-AP820-L(V3) 10 x RG-AP840-I 3 x RG-AP720-L



RESULTS

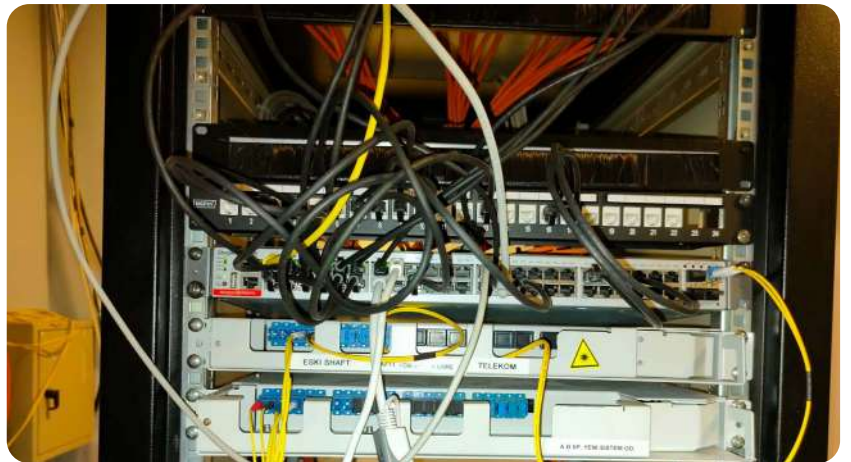
- Ensure smooth operation and network security of core functions.
- Provide a centralized management platform for the center.
- IT team can now effortlessly provide support without using any VPN.
- IT team can flexibly switch between Ruijie Cloud and on-premises management.
- High-quality Wi-Fi and seamless roaming experience are provided to guests.
- The flexible authentication and captive portal are provided to the center.



SAY YES

After the pandemic, the market of international meetings and events were on high rise. At the moment with our increasing customer connectivity and fast response needs, we were getting a lot of complaints about our wired and wireless services. With renewed Ruijie infrastructure, now we can manage each event halls and meeting rooms flexibly and securely. With our new 10G wired infrastructure, none of our customers and visitors experience lagging or disconnectivity. Thanks Ruijie Networks for creating such a flexible and easy event/hospitality solution.

Can Bayer OKÇUOĞLU
(Senior IT Manager)



Ruijie | Rcycc

HEALTHCARE



NATIONAL HAYAT HOSPITAL



Saudi Arabia | Healthcare



CUSTOMER BACKGROUND

National Hayat Hospital, located in Riyadh, Buridah, and Abha, Saudi Arabia, provides high-quality medical services for patients.

The hospital requires a reliable and efficient network to support patient information management, medical device connectivity, telemedicine, and real-time monitoring.

The network should ensure seamless data transmission across different branches while safeguarding patient data security and privacy. It should also support the hospital's smart management systems, including electronic medical records, patient monitoring systems, and video conferencing systems

REQUIREMENTS

- **Wi-Fi 6 Access Points:** Provide higher speed and efficiency.
- **High Bandwidth Capacity:** Support multiple devices concurrently to avoid congestion.
- **Seamless Roaming:** Ensure smooth transition between different areas.
- **Network Isolation:** Isolate service and guest networks for enhanced security.

RUIJIE SOLUTION

By using the same existing core switch, we replaced old-model switches and access points and used the following devices.

The RG-NBS3200-24GT4XS-P and RG-NBS3200-48GT4XS-P are used as access switches, providing PoE capabilities to power APs and other devices.

Install Ruijie AP820-L (V3) access points to deliver high-performance Wi-Fi connectivity, ensuring smooth connectivity for staffs, patients, and medical devices. With excellent coverage and high-density support, the APs reduce coverage holes and maintain consistent performance in challenging areas.

Install Ruijie wireless controller WS6008. The WS6008 provides centralized management for all APs, enabling seamless roaming, dynamic load balancing, and network-wide policy enforcement.

Wi-Fi cloud management provides secure Wi-

Fi and easy troubleshooting.



PRODUCT LIST

Switch	4 x RG-NBS3200-24GT4XS-P 1 x RG-NBS3200-24SFP/8GT4XS
AP	85 x RG-AP820-L(V2)
AC	RG-WS6008



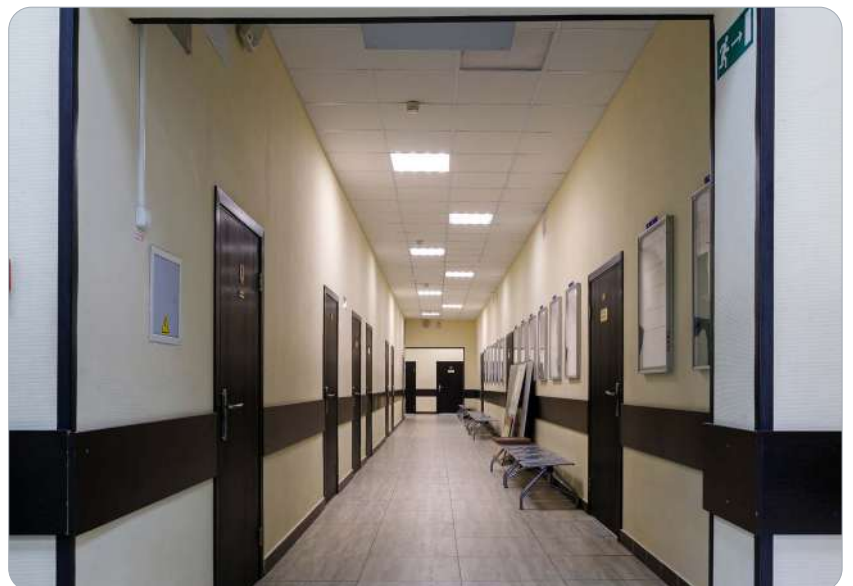
SAY YES

“

The hospital's IT team appreciates the high-performance network that enhances operational efficiency, patient care, and satisfaction at Hayat National Hospital.

RESULTS

- **Seamless Connectivity Across the Hospital:** Ensure stable coverage across all areas, enhancing network reliability.
- **Higher Network Speed and Capacity:** Meet demands of daily hospital operations and large-scale device connectivity.
- **Enhanced Patient and Visitor Experience:** Provide stable, fast Internet access to improve user satisfaction.
- **Reduced Network Downtime and Maintenance:** Optimize the network architecture, lowering failure rates and improving operational efficiency.
- **Centralized Management:** Simplify operations through a centralized management platform for easy monitoring and device management.



CAPUA CENTER



Italy | Healthcare



CUSTOMER BACKGROUND

Caplua Center is a multi-functional facility offering services in education, wellness, and community events.

To ensure smooth operations, the center is looking for a network solution that supports administrative management, event scheduling, secure data sharing, and high-speed Internet access for its visitors and staffs.



REQUIREMENTS

- Enhance Wi-Fi stability across the entire area.
- Improve the authentication process for a better login experience.
- Ensure seamless roaming and connectivity in different areas.
- Support activities such as streaming and video conferencing for a better experience.

RUIJIE SOLUTION

Our high-performance gateways support basic firewall functions and high performance. They are all-in-one cloud-managed security router.

The solution is associated with Ruijie multi-software platform.

L7 DPI and intelligent flow control in VPN tunnels help customer solve VPN issues. The core switch realizes flexible networking and high performance. Hardware-level multi-protection ensures service continuity.

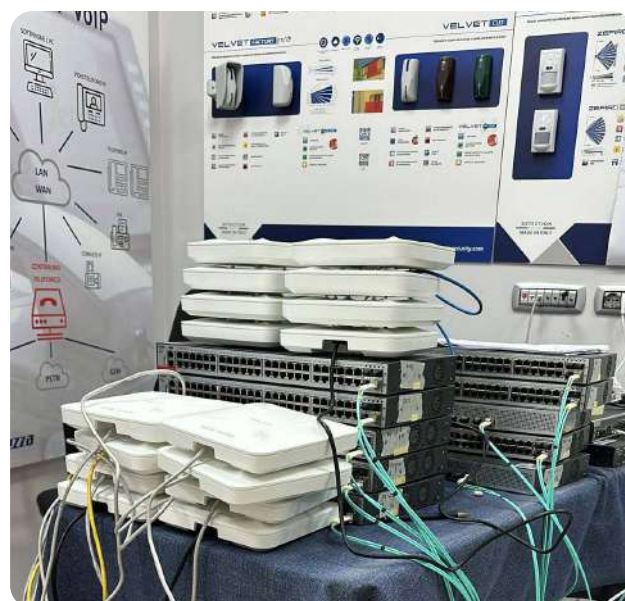
Network security policies and real-time monitoring enhance network robustness. Comprehensive QoS policies realize flexible network resource allocation and stable services.

Diverse network management modes enable

simple maintenance. RAP2260 access points build ultra-fast network with Wi-Fi 6 technology, over 500 concurrent client connections, and better multi-user experience.

Extra APs can be easily installed with Reyee Mesh technology.

The Wi-Fi 6 network can be built within 3 minutes with Ruijie Cloud App.



PRODUCT LIST

Gateway	NBR6215E
Core Switch	CS86-20XS4VS2QXS-D
Access Switch	CS83-48GT4XS-P S5300-48GT4XS-E
Indoor AP	RAP2260

BARRAQUER HOSPITAL



Colombia | Healthcare



CUSTOMER BACKGROUND

Barraquer Hospital is one of the most important eye care hospitals in Colombia, specializing in eye health. In the hospital's technology department, the hospital wants to renew its AP infrastructure, as doctors and healthcare personnel require excellent connectivity.



REQUIREMENTS

- Upgrade from Wi-Fi 4 to Wi-Fi 6 to support specialized platforms used by doctors.
- Improve AP coverage, especially in areas with poor signals in the large, old building.
- The IT department requires a cloud platform to manage all network devices.

RUIJIE SOLUTION

Improved AP Experience: All healthcare personnel are very satisfied with the improved AP connectivity, making communication smoother.

Enhanced Network Security: Configured authentication on a guest network isolates guests from the company network, enhancing security.

Improved Device Concurrency: Optimized device concurrency ensures stable AP service even in high-density areas of the hospital.

Comprehensive Network Monitoring: Ruijie Cloud offers real-time network monitoring, and quickly identifying and addressing potential network issues to ensure the



stability and efficiency of the hospital's internal network.



PRODUCT LIST

Gateway	1 x RG-EG3230
Indoor Access Point	35 x RG-AP820-L(V2)

SARKIES AISYIAH HOSPITAL



Indonesia | Healthcare



CUSTOMER BACKGROUND

Sarkies Aisyiah Kudus is a newly built hospital in Kudus, Java, seeking an enterprise wireless solution integrated with their hospital IT systems.

The system integrator (SI) proposed the Ruijie Wired and Wireless Solution to meet the hospital's needs and conducted a PoC test to demonstrate the solution's effectiveness before finalizing the agreement.



REQUIREMENTS

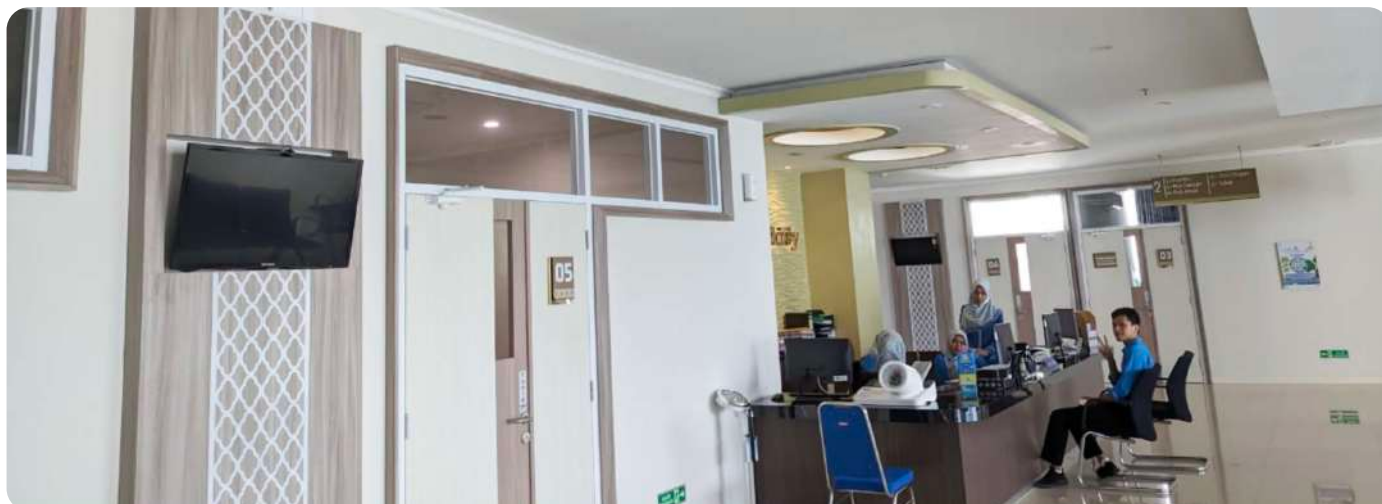
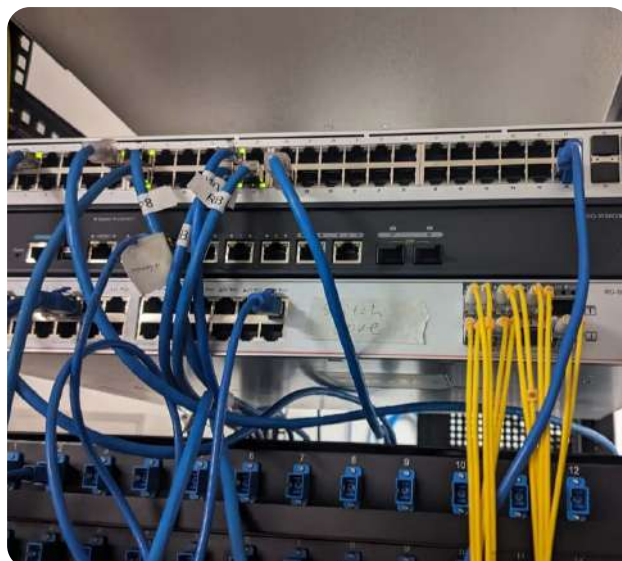
- Core switch suitable for handling 1,000 users with high performance and scalability
- Enterprise Wireless Access Points (APs) supporting seamless roaming for uninterrupted connectivity across the network
- On-premise controller to manage and optimize access points locally for better control and security

RUIJIE SOLUTION

Seamless Network Roaming: The RG-WS6008 supports AC cluster technology, allowing multiple controllers to synchronize client roaming and connection data in real time.

This enables seamless and secure roaming across the network with consistent IP address and authentication status, ensuring fast roaming and voice support.

The AP820-L(V2) provides an excellent wireless network experience.



PRODUCT LIST

Switch	1 x RG-S5760C 9 x PoE Switch
AC	1 x RG-WS6008
AP	60 x AP820-L(V2)

Ruijie | ReYCC

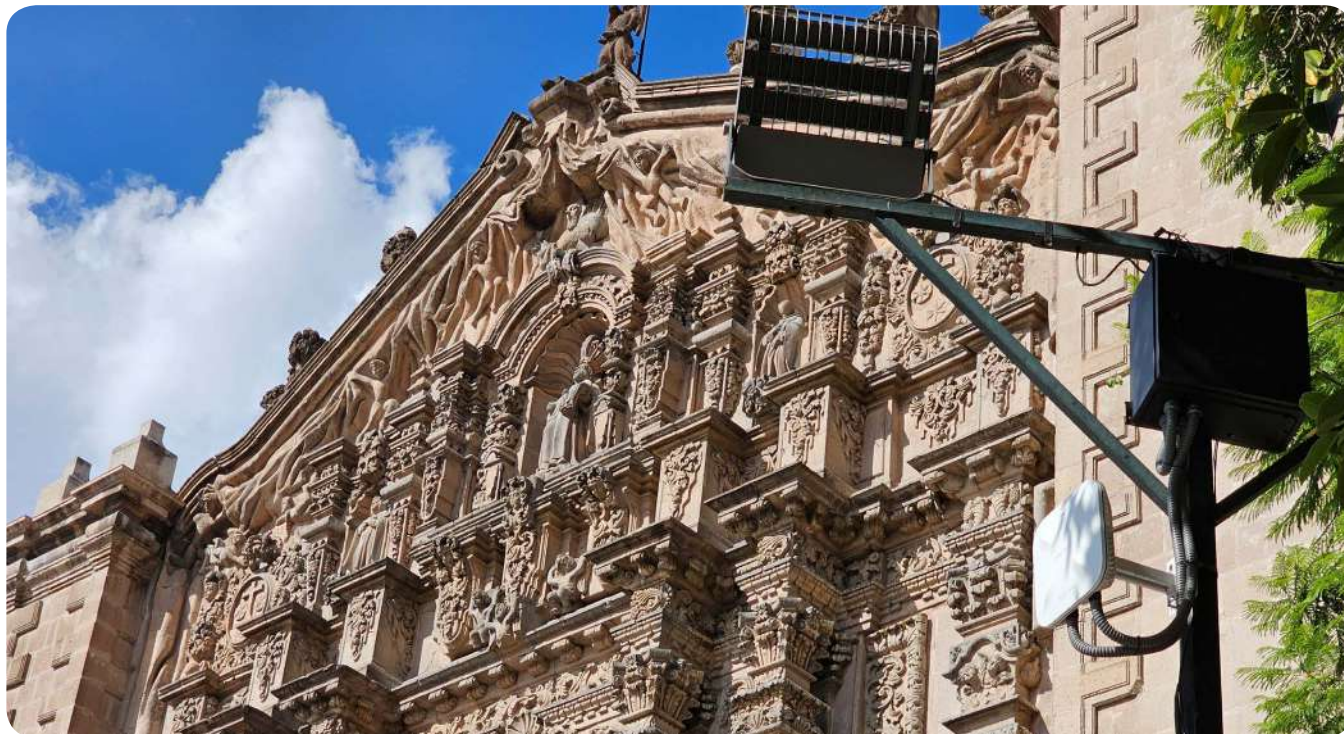
GOVERNMENT



SAN LUIS POTOSI GOVERNMENT



Mexico | Government



CUSTOMER BACKGROUND

The Government of San Luis Potosi in Mexico is working on providing public Internet access in public spaces.

The first phase of the project has been developed in five municipalities, offering free Wi-Fi to residents and visitors, promoting digital connectivity and access to information, and improving the efficiency of public services.



REQUIREMENTS

- Address high-density areas to ensure stable network connections.
- Resolve high interference issues to maintain signal quality.
- Optimize long cable distances to improve network performance.
- Integration with an external Captive Portal for user authentication and advertisement display.

RUIJIE SOLUTION

Full Coverage: Provide stable network coverage in all areas.

Ring Fiber Networking: Enhance stability and bandwidth to meet high-density demands.

Long-distance Cabling: RAP devices with SFP ports support long-distance cabling.

Captive Portal Integration: Interaction with Ruijie routers to provide user authentication and advertisement display.

Efficient Bandwidth Management: With Ruijie devices' traffic control functionality, the system can automatically adjust resource allocation based on real-time bandwidth demands, ensuring smooth network connectivity in high-density environments.

Centralized Management and Monitoring: Ruijie Cloud platform offers centralized

monitoring and management of all devices across the network, simplifying configuration and troubleshooting to ensure efficient operation and quick response.



PRODUCT LIST

Gateway	1 x RG-EG3000UE&XE
Switch	6 x RG-S6120-20XS4VS2QXS 98 x RG-NBS3100-8GT2SFP-P
AP	95 x RG-RAP6260(G) 14 x RG-RAP6260 (H)



CUSTOMER BACKGROUND

The government agencies of the City of Ancona need to upgrade and optimize their network infrastructure to ensure efficient government services and internal communications.

Existing network devices are insufficient to meet growing data transmission needs and lack necessary security and scalability.

New switches are required to support higher bandwidth, stronger security measures, and flexible management functions to ensure smooth city management and public services.

REQUIREMENTS

- Reliable network infrastructure for long-term stability
- High-performance, long-term solution
- Meeting budget requirements
- Simplified architecture and management
- Centralized management

RUIJIE SOLUTION

The number of switches increases from 85 to 100 after the initial site survey.

Half of the new switches use 10G optical connections to the core network for scalability and future needs.

The network renewal is meticulously planned by Netoip Srl to minimize service interruptions to administrative operations. Ruijie Cloud enables remote device management, ensuring security and rapid issue resolution.

Maintenance tasks such as firmware updates and adding new devices are supported through the cloud platform.



PRODUCT LIST

Core Switch

1 x NBS7006
50 x NBS3100-24GT4SFP
50 x NBS3200-24GT4SFP

OBISPADO DE SAN SEBASTIÁN



Spain | Government



CUSTOMER BACKGROUND

Located in the historic city of San Sebastián, the diocese manages multiple administrative offices, worship venues, and community service centers. To support daily operations and communication, a reliable and secure network is essential to ensure smooth connectivity across various locations and safeguard data transmission.

The network must efficiently support administrative tasks, communication between members, online activity coordination, and other related functions.



REQUIREMENTS

- Manage booking and customer information system.
- Provide high-speed Wi-Fi and network connectivity.
- Support room automation and facility management.
- Ensure secure and efficient internal communication.
- Streamline operations and enhance customer satisfaction.

RUIJIE SOLUTION

High-speed Wi-Fi across all areas with intelligent bandwidth management for stable connections

Centralized control of room devices to enhance automation and energy efficiency

Secure communication system ensuring smooth info flow between departments

Ruijie Cloud's real-time data analysis and automation to improve operational efficiency and customer experience

Global Monitoring and Reporting:

Monitor the entire network through Ruijie Cloud, and obtain real-time data on network health and performance, with timely troubleshooting and optimization.



PRODUCT LIST

Switch

NBS3100-8GT2SFP-P-V2
NBS3100-48GT4SFP-P
NBS3200-24SFP/8GT4XS
ES218GC-P

DEPARTMENT OF COMMUNICATION AND INFORMATICS NUNUKAN REGENCY



Indonesia | Government



CUSTOMER BACKGROUND

The Communication and Informatics Service of North Kalimantan Province is a regional agency responsible for assisting the regional government in managing government affairs and development, specifically in the field of communication and informatics.

As mandated by Regional Regulation Number 21 of 2016, it oversees the organization and work procedures of regional services.

They require an SD-WAN solution to establish a stable connection between 10 subdistrict offices and the data center.

REQUIREMENTS

- The data center is located in Balikpapan, acting as the SD-WAN concentrator.
- 10 subdistrict offices will connect to the data center using Starlink as the Internet connection.

RUIJIE SOLUTION

SD-WAN Connectivity: Branch sites use Starlink for Internet connection without requiring public static IP addresses, ensuring stable connectivity through SD-WAN.

Cloud-Based SD-WAN Controller: It provides an intuitive dashboard for easy management, monitoring, and troubleshooting.

Easy Deployment: ZTP is used for quick deployment with minimal manual intervention, ensuring efficient setup.



PRODUCT LIST

Router

11 x RG-EG310GH-E

Ruijie | ReYCC

EVENT



RUIJIE'S SUPPORT FOR ITU DIGITAL SKILLS FORUM IN THE KINGDOM OF BAHRAIN



Bahrain | Event



CUSTOMER BACKGROUND

Ruijie is honored to provide network support for the International Telecommunication Union (ITU) Digital Skills Forum, hosted by the Bahrain Telecommunications Regulatory Authority (TRA) from September 17 to 19, 2024.

Ruijie has supplied a robust switching and WLAN infrastructure for the event, ensuring a sustainable network through advanced core and access layer switching technologies, coupled with an exceptional wireless experience, helping to foster the global development and adoption of digital skills.

REQUIREMENTS

- Deploy a high-performance wireless infrastructure with portal authentication, supporting 2,000 concurrent terminals.
- Implement a robust switching infrastructure with full mesh redundancy to ensure network reliability.
- Achieve optimal signal strength coverage over an area of 4,780 square meters.

RUIJIE SOLUTION

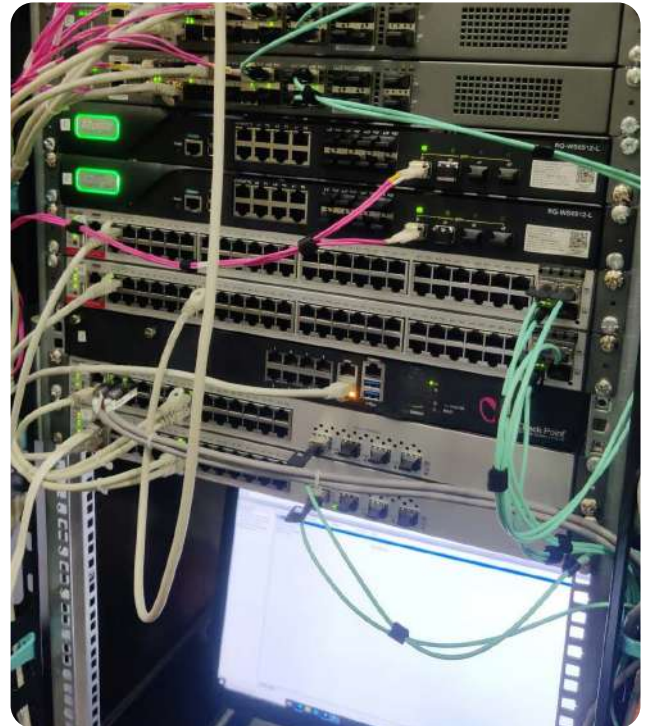
RG-OCE Identity Manager: Provides secure account portal authentication, enhancing network access control with advanced security and user management.

RG-CS83-24GT4XS Switches: Ensure high availability and reliable connectivity through redundant switching, delivering seamless network performance.

RG-CS86-20XS4VS2QXS Switches: Provide robust core-layer switching with high-performance throughput and scalability, supporting critical network functions.

RG-CS83-48GT4XS-PD Access Switches: Facilitate stable and efficient endpoint connectivity at the access layer, ensuring reliable connections for multiple devices.

RG-WS6512-L Access Controllers: Centrally manage and optimize wireless networks, enabling seamless connectivity and efficient



Wi-Fi management.

RG-AP880-L Access Points: Offer high-performance wireless coverage, designed for large-scale environments, delivering excellent signal strength and stable connectivity for multiple concurrent users.

PRODUCT LIST

Core Switch	2 x RG-CS86-20XS4VS2QXS-D
Aggregation/Access Switch	2 x RG-CS83-24GT4XS 2 x RG-CS83-48GT4XS-PD
Wireless	18 x RG-AP880-L
AC	2 x RG-WS6512-L
Software	RG-OCE Identity Manager



RESULTS

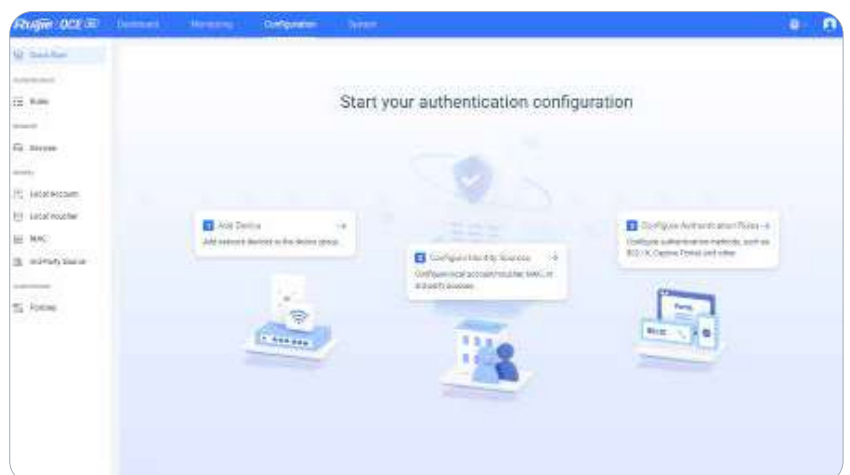
- RG-OCE Identity Manager supports secure portal authentication of 2,000 concurrent terminals.
- Scalable Backbone: Enhanced data flow and scalability through RG-CS86-20XS4VS2QXS-D core switches
- Reliable Access: Ensured stable connections for endpoint devices with RG-CS83-48GT4XS-PD access switches
- Strong Coverage: Excellent wireless signal strength for concurrent users using RG-AP880-L access points



SAY YES

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The customer expressed high satisfaction with the performance and stability of Ruijie switches and wireless solutions. The easy and clear authentication interface of Ruijie OCE has left a deep impression on them. The IT director of the Bahrain Telecommunications Regulatory Authority stated, "I had never heard of Ruijie before, but now I trust the product." Ruijie is now being considered for upcoming projects and events.



THE 33RD ARAB SUMMIT



Bahrain | Event



CUSTOMER BACKGROUND

The 33rd Arab Summit was hosted in Bahrain, bringing together leaders from 22 Arab nations to discuss regional issues, cooperation, and development.

The event took place at a high-profile venue requiring a seamless and robust network infrastructure to support secure communication, live streaming, and real-time data sharing for government officials, delegates, and media representatives.

REQUIREMENTS

- A network can handle heavy traffic for live streaming and video conferencing without interruptions.
- A secure solution ensures secure communication for internal and external stakeholders.
- A quick-to-install solution is used for the summit.

RUIJIE SOLUTION

Core Switching Infrastructure:
8 x RG-S6120-20XS4VS2QXS: High-performance core switches are deployed to manage large volumes of data traffic and ensure low-latency communication. These switches provide the backbone for the entire network, ensuring that all areas of the summit venue remain connected and operational.

Switching Capacity for Event Operations:
16 x RG-NBS5200-24GT4XS-P: These switches are used to manage traffic from various network endpoints, ensuring that devices such as video conferencing systems, ticketing systems, and media devices remain connected and functional.



PRODUCT LIST

Switch	8 x RG-S6120-20XS4VS2QXS
	16 x RG-PA150I-F
	72 x MINI-GBIC-LX-SM1310
	8 x XG-SFP-AOC1M
	16 x RG-NBS5200-24GT4XS-P



RESULTS

- The network infrastructure handles high volume of traffic during the summit without any latency, ensuring seamless live streaming, video conferencing, and secure communication between delegates and officials.
- With stable, high-speed connectivity, systems such as event ticketing, media streaming, and management applications run smoothly without disruptions, enhancing the overall experience.
- Robust security features of the Ruijie network infrastructure ensure that all communication and sensitive data remain protected from potential breaches or unauthorized access.



SAY YES

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Ruijie's network solution exceeded our expectations for the 33rd Arab Summit. The infrastructure performed flawlessly under heavy traffic, ensuring seamless communication and smooth event operations.



IFMA MUAYTHAI YOUTH CHAMPIONSHIP 2024



Thailand | Event



CUSTOMER BACKGROUND

The IFMA MuayThai Youth Championship 2024 is a global event with 5,000+ participants.

A stable network is required for thousands of users, providing real-time scoring and multi-platform streaming.

CYN & Jrp Distribution was chosen to ensure zero



REQUIREMENTS

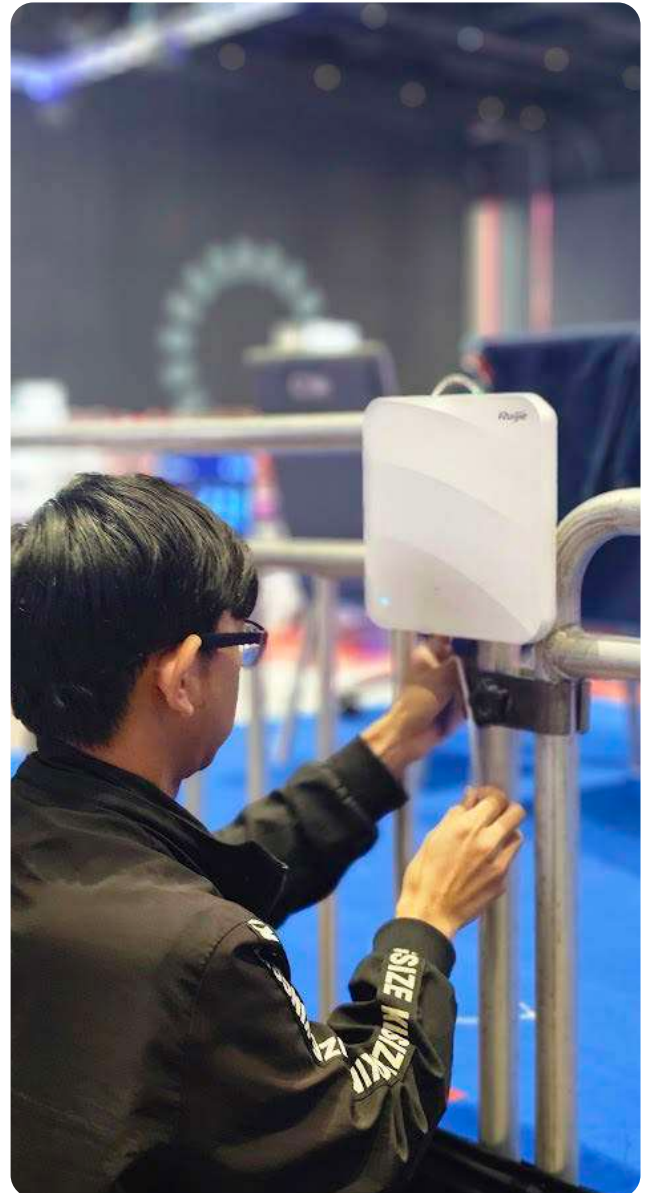
- The network has to support thousands of attendees concurrently without disruptions.
- A stable network is crucial for transmitting real-time scoring in real-time to various platforms.

RUIJIE SOLUTION

Use Ruijie enterprise-level Access Points (APs) to ensure full coverage of the network in the conference venue.

Ruijie Network Management System provides 24/7 visibility into network performance, allowing the team to obtain bandwidth usage, detect issues early, and ensure smooth operations during the event.

Ruijie system automatically generates daily performance reports to assess network health and proactively address any potential issues.



PRODUCT LIST

Core Switch	RG-NBS3200-24GT4XS-P
AC	RG-WS6008 VAC Mode
AP	RG-AP840-L, RG-AP820-L(V2), RG-AP820-L(V3), RG-AP680-L, RG-RAP72Pro, RG-RAP2260(H), RG-RAP2260(E), RG-RAP62-OD

THAI SONGKRAN FESTIVAL



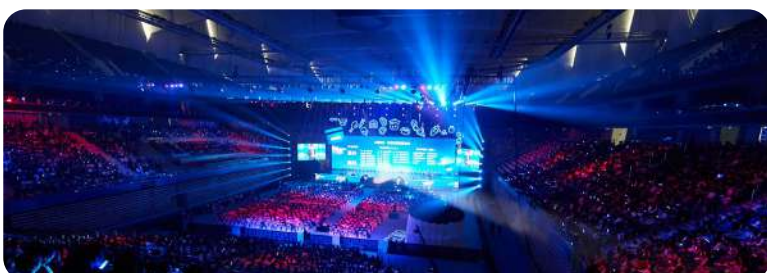
Thailand | Event



CUSTOMER BACKGROUND

SSK Festival 2024 required reliable and high-speed wireless network coverage for VVIPs and numerous guests.

Given the large scale of the event and heavy traffic demands, especially with Wi-Fi hotspots and IoT device support, the organizers chose to deploy high-performance Ruijie and Reyee outdoor Wi-Fi solutions to ensure seamless connectivity and network stability throughout the venue.



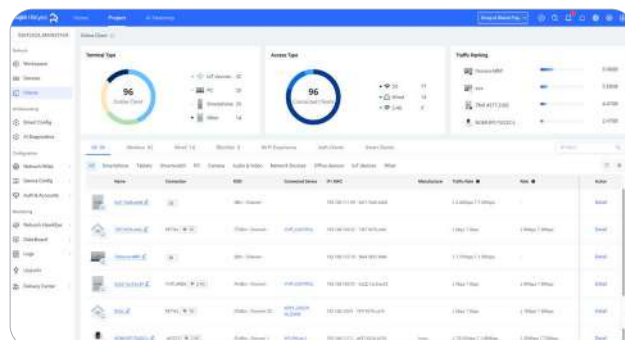
REQUIREMENTS

- Ensure seamless wireless coverage in all event areas, especially VVIP zones.
- Support heavy traffic, accommodating many devices online.
- Ensure stable operation of IoT devices.
- Simplify network management and real-time monitoring.
- Provide reliable Internet access to ensure smooth

RUIJIE SOLUTION

For SSK Festival 2024, CYN HotSpots deploys Ruijie and Reyee outdoor Wi-Fi solutions.

The setup includes the Reyee Gateway RG-EG1510XS with new Route 1, supporting 2.5 Gbps ISP Internet connection, along with high-performance Ruijie and Reyee outdoor APs, ensuring stable and fast wireless connectivity for VVIPs and guests during the event.



PRODUCT LIST

Gateway	1 x EG1510XS
AP	4 x RAP2260(G) 2 x RAP6160(G) 3 x RAP6262(G) 1 x AP680(CD) 2 x AP820-L(V3)

Ruijie | ReYCC

RETAIL



MODA MALL BAHRAIN



Bahrain | Retail



CUSTOMER BACKGROUND

Moda Mall, as part of the Bahrain World Trade Center, requires a stable and efficient network solution to support its luxurious retail experience and high-end customers. The mall needs a high-performance network capable of supporting multiple stores, restaurants, and seamless connectivity for customers while ensuring security of payment systems and surveillance operations.



REQUIREMENTS

- Ensure strong, uninterrupted wireless coverage throughout the mall for customers and tenants.
- Provide a network that can handle high-density usage during peak hours, such as weekends and special events.
- Simplify network monitoring and maintenance with a centralized, user-friendly management solution.

RUIJIE SOLUTION

Wireless Access Points:

35 x RG-AP810: High-performance wireless APs are deployed across the mall to deliver seamless, high-speed Wi-Fi coverage. These devices are designed for high-density environments, ensuring reliable connectivity for visitors and tenants even during peak hours.

Wireless Controller:

1 x RG-WS6816: One centralized AC is installed to manage APs, providing simplified management, real-time monitoring, and enhanced network stability.

Advanced Features:

Intelligent load balancing is used to optimize performance during high-traffic periods. Seamless roaming is used for uninterrupted connectivity as users move across the mall. Security features protect the network and users against unauthorized access.

Centralized Management Platform:

Ruijie's management platform allowed the IT team to monitor, troubleshoot, and optimize the network easily from a single dashboard.



PRODUCT LIST

AP	35 x RG-AP810
AC	1 x RG-WS6816



RESULTS

- **Enhanced Wi-Fi Experience:**
Deliver consistent, high-speed Wi-Fi throughout the mall, greatly improving the shopping experience for customers and operational efficiency for tenants.
- **Support for High-Density Usage:**
The network seamlessly handles thousands of concurrent connections during peak hours without compromising performance.
- **Simplified Management:**
The centralized AC enables the IT team to manage the entire network efficiently, reducing downtime and improving response times.
- **Brand Enhancement:**
Improved connectivity enhances Moda Mall's reputation as a premium shopping destination, attracting more customers and ensuring tenant satisfaction.



SAY YES

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The seamless, high-speed Wi-Fi has significantly improved the shopping experience for our customers, allowing smooth browsing, digital access, and quick payments. Our tenants also benefit from the reliable connection, boosting their operations. The easy cloud management makes monitoring and maintenance simple, and we're very satisfied with the solution's performance and its positive impact on both customers and tenants.



TAHLIA RETAIL MALL



Saudi Arabia | Retail



CUSTOMER BACKGROUND

Tahlia Retail Mall is a modern shopping center located in Jeddah, Saudi Arabia, offering a wide range of commercial and entertainment facilities.

To support high customer traffic, retail operations, and security monitoring, the mall requires a stable and efficient network infrastructure.

The network should ensure seamless guest Wi-Fi connectivity, smooth operation of merchants' payment and management systems, while also supporting integration of video surveillance, smart lighting control, and other facilities to enhance the overall shopping experience and security.

REQUIREMENTS

- Use APs with high-gain antennas or beamforming to boost signals.
- Deploy APs with dynamic channel selection and adaptive power control.
- Use high-performance APs for large-scale connections.
- Enable mesh networking between APs for seamless roaming.
- Implement traffic shaping and bandwidth limiting to prevent overload.

RUIJIE SOLUTION

The RG-S6120-20XS4VS2QXS backbone switch provides 10G connectivity.

The RG-S5310-24 GT4XS-P-E and RG-S5310-48GT4XS-P-E are used as access switches to provide PoE for RG-AP810-L access points.

Ruijie RG-AP810-L (indoor Wi-Fi 6 AP) provides high performance and seamless roaming.

Wi-Fi cloud management provides secure Wi-Fi and easy troubleshooting.



PRODUCT LIST

Switch	1 x RG-S6120-20XS4VS2QXS 4 x RG-S5310-24GT4XS-PE 5 x RG-S5310-48GT4XS-P-E
AP	12 x RG-AP810-L
AC	1 x RG-WS6008



RESULTS

- The solution achieves zero coverage hole within the mall, providing consistent coverage throughout.
- With high-performance APs and advanced load-balancing capabilities, users can enjoy stable and high-speed connections, even during peak hours.
- Shoppers can move throughout the mall without experiencing disconnections or performing re-authentication, due to deployment of fast roaming protocols.
- Traffic shaping ensures fair access to bandwidth for all users, preventing any single user from monopolizing network resources.



SAY YES

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Using Ruijie Enterprise Wi-Fi Solution, Tahlia Mall can ensure a robust, secure, and user-friendly Wi-Fi solution that enhances the shopping experience and meets the demands of its high-density environment.



KLIA2 AIRPORT GATEWAY MALL



Malaysia | Retail



CUSTOMER BACKGROUND

KLIA2 Gateway Mall, located at Kuala Lumpur International Airport 2, is a heavy-traffic retail hub requiring reliable Wi-Fi for both visitors and staffs.

The network must support high concurrent usage across retail, dining, and service areas, enabling seamless browsing, transactions, and operations.



REQUIREMENTS

- Seamless Guest Wi-Fi Access: Easy, secure landing portal for guest access
- Outdoor Coverage: Strong Wi-Fi in outdoor areas with RG-AP680-CD
- Centralized Cloud Management: Real-time monitoring and troubleshooting
- Scalability: Flexible solution for future network expansion

RUIJIE SOLUTION

Ruijie provides an enterprise solution tailored for the customer. The existing gateway integrates with a landing portal page for seamless guest access.

To extend coverage, the RG-AP680-CD access points are deployed in outdoor areas.

Additionally, Ruijie Cloud provides an intuitive overview and real-time visibility of all device statuses, enabling effortless management without additional costs for the management team.

Automatic Optimization: Ruijie Cloud automatically optimizes device performance based on real-time network data, enhancing stability and efficiency.

Scalable Design: The system is flexible, allowing easy expansion of more APs and devices to support business growth and smooth operation in heavy-traffic environments.



PRODUCT LIST

Switch	14 x RG-S2915-10GT2MS-P-L 6 x RG-S2915-24GT4MS-P-L
AP	89 x RG-AP820-L(V3) 4 x RG-AP680-(CD)

AEON MALL



Vietnam | Retail



CUSTOMER BACKGROUND

AEON Mall in Vietnam, a large-scale multi-functional shopping center, serves a high volume of daily visitors across shopping, dining, and entertainment areas, with frequent and continuous foot traffic. To enhance customer experience, the mall requires a high-performance network system that ensures fast Wi-Fi access for online payments, navigation, and social sharing. The high-density environment demands a stable and high-capacity network to support concurrent connections.



REQUIREMENTS

- **Stability:** The shopping mall requires a stable network system to ensure reliable operation around the clock.
- **High Load Capability:** The network must support concurrent access of a large number of customers, with high load handling capabilities.
- **Fast Response:** Provide quick access for customers, ensuring a smooth network experience.

RUIJIE SOLUTION

Use Reyee switches to provide PoE power supply for network devices, ensuring proper operation of APs and surveillance systems.

Deploy RG-AP720-L access points to deliver stable Wi-Fi coverage.

Integrate with wireless roaming to ensure uninterrupted connectivity for customers moving within the mall.

Manage the network through Ruijie Cloud for remote monitoring and quick configuration of devices.

With wireless roaming technology, customers can move seamlessly between different areas of the mall, maintaining stable and uninterrupted connectivity, enhancing the overall user experience.



PRODUCT LIST

Switch	5 x RG-ES220GS-P 1 x RG-ES209GC-P
AP	60 x RG-AP720-L

Ruijie | Rcycc

ISP



WISP CASE IN VOI, KENYA

In Voi, a small town in Kenya



Kenya | ISP



PAIN POINTS

- Poor performance of third-party devices caused unstable wireless transmission and complaints from residential users who were unable to watch TV.
- The weather, other environmental factors, and many installed bridges caused serious interference.
- Installation and alignment are inefficient, and local installation conditions are often harsh.

REQUIREMENTS

- Cost-effective high-performance wireless bridges, providing stable network to customers
- Devices that have stronger anti-interference capability
- Professional solution with easy installation

SOLUTION

Reyee WISP Solution with RG-AirMetro Series

CASE DETAILS

PTP Station

The two points (A) and (B) are connected directly through two RG-AirMetro460G devices, with a straight-line distance of 900 meters.

PTMP: Multiple CPEs

CPE1: Small shop, 780 meters away from the base station - replacing the original bridge, and connecting to the downstream indoor home router

CPE2: Remote home user, 3 kilometers away from the station in a straight line, replacing the original device

CPE3: It is the farthest point from the station, about 8 kilometers away. The device is successfully bridged, with the signal strength of -80 dBm.



PRODUCT LIST

Wireless Bridge	2 x RG-AirMetro550G-B + 2 x RG-ANT20S-90 14 x RG-AirMetro460G
Management	Ruijie Cloud



RESULTS

- Enhanced Product Performance: Strong anti-interference capabilities for improved reliability.
- Improved User Experience: After replacing the competitor's products at the same location, home users can now seamlessly watch TV channels and stream YouTube.
- Efficient, Convenient Installation & Easy Optimization: Pairing and alignment adjustments were completed in just 27 minutes using the Signal + App.
- User-Friendly Signal Optimization: This was the client's first time using channel scanning for signal optimization. The process was easy to start and resulted in noticeable.



SAY YES

So glad to seize the opportunity to have this cooperation with Ruijie Reyee's new wireless bridge series. Product performance and user-friendly installation & configuration have shocked me a lot. Ruijie Cloud App/web brings us a lot of convenience. I'm very satisfied with the results. So we thank Ruijie. We thank the team that works for this project. We appreciate all and welcome everyone to come for Ruijie and purchase their products.

Jason
(ISP)



NAPOLI FARMS



Italy | ISP



CUSTOMER BACKGROUND

Napoli farms is needing reliable, high-performance network infrastructure for security monitoring.

The network must support real-time data transmission from surveillance cameras and sensors, ensuring stable connectivity across large areas.



REQUIREMENTS

- Address gaps in surveillance coverage, ensuring complete monitoring of key areas, both indoors and outdoors.
- Switches must be equipped with robust protection against lightning and rain to ensure consistent performance in outdoor environments.

RUIJIE SOLUTION

Ruijie provides a reliable long-distance wireless transmission solution using wireless bridges to address transmission failures over extended distances. The solution also meets performance demands that outdoor switches cannot fulfill by using industrial-grade switches designed to withstand high-

temperature and harsh environments. The customer powers the solution with solar energy, and the industrial switch enhances the solution's effectiveness in outdoor settings, ensuring reliable performance even in challenging conditions.



PRODUCT LIST

Wireless Bridge	RG-EST350 V2
Industrial Switch	RG-NIS3100-8GT2SFP-HP

CAMPING LA CUEVA NEGRA



Spain | ISP



CUSTOMER BACKGROUND

Camping La Cueva Negra is a scenic campsite catering to nature enthusiasts and travelers. Its network supports online reservations, campsite management systems, and guest Wi-Fi, ensuring a comfortable and connected outdoor experience.

The campsite needs a stable and efficient network to handle booking requests, manage campsite facilities, and provide high-speed Internet access for guests, particularly during peak tourist seasons. Additionally, the network should ensure data security and privacy protection to safeguard visitors' personal information.

REQUIREMENTS

- Resolve outdoor CCTV network outages.
- Integrate real-time monitoring tools.
- Optimize internal network performance.

RUIJIE SOLUTION

Resolve outdoor CCTV network outages with Ruijie APs, ensuring stable connections. Utilize integrated real-time monitoring tools through Ruijie Cloud for proactive issue resolution.

One EG105G-V3 gateway provides robust network connectivity and security features, ensuring stable device operations and fast data transmission.

Access Points:

Three RAP2200 access points deliver powerful wireless coverage, ensuring seamless Wi-Fi experience in both outdoor and indoor areas. One RAP2200(F) access point with directional antennas further enhances long-range coverage and stability.

Wireless Bridge:

Three EST310-V2 bridge devices support point-to-point and point-to-multipoint configurations, ensuring reliable data transmission between outdoor cameras and

the main monitoring station.

Two EST100-E devices are used for extended long-distance wireless bridging, ensuring stable network coverage in large



PRODUCT LIST

Gateway	1 x EG105G-V3
AP	3 x RAP2200 1 x RAP2200(F)
Wireless Bridge	3 x EST310-V2 2 x EST100-E

Ruijie | Reycce

COMMUNITY



RETIREMENT VILLAGE



Australia | Community



CUSTOMER BACKGROUND

This project involves setting up a network infrastructure for a retirement village, providing Wi-Fi coverage for each villa.

All Wi-Fi within the village will use the same SSID, ensuring seamless connectivity.

Additionally, the network from the office must be extended 200 meters to the house group, ensuring stable network transmission across the entire area.

REQUIREMENTS

- Support up to 300 simultaneous users during peak hours with stable, high-performance connectivity.
- Ensure smooth, uninterrupted live streaming, even in the case of heavy traffic.
- Enable remote management and monitoring for quick issue resolution.
- Integrate over 20 cameras with zero network delay.

RUIJIE SOLUTION

The RG-EG310GH-P-E gateway ensures reliable and secure Internet connectivity with high throughput and user-friendly configuration.

The ES226GC-P features advanced options such as VLAN settings and remote PoE reboot, with 24 ports to accommodate future growth.

The RG-RAP2260(G), utilizing Wi-Fi 6 technology, builds an ultra-fast network with 360° coverage, ensuring seamless connectivity in every corner.

The EST310 has been installed to ensure a stable and smooth Internet connection.



PRODUCT LIST

Gateway	RG-EG310GH-P-E
Access Switch	ES226GC-P
AP	RG-RAP6262
Wireless Bridge	EST 310

MCC SIX-BLOCK BUILDING DORMITORY



Singapore | Community



CUSTOMER BACKGROUND

The six-block dormitory is well-maintained, offering convenience with an on-site shop for daily needs. It provides a quiet, breezy environment with a beautiful sea view.

The dormitory has excellent security, ensuring safety for over 3,000 workers. To support daily operations and communication, a reliable network infrastructure is essential.

REQUIREMENTS

- **Cost-Effective Management:** A budget-friendly solution that meets operational needs
- **Full Wi-Fi Coverage:** Reliable Wi-Fi coverage across the entire area

RUIJIE SOLUTION

Comprehensive Wi-Fi: A mix of enterprise, SMB, and home Wi-Fi routers are deployed to meet customer needs.

Core Switch: Ruijie RG-S6120 acts as the core switch, integrating all APs and home routers through the NBS access switch.

Outdoor Coverage: RAP6260(G) provides Wi-Fi coverage for outdoor areas.

Cloud Management: The cloud solution offers full device visibility and management, free for the customer.

The solution supports VLAN isolation and access control for security, with real-time monitoring and scalability through the cloud platform. The RAP6260(G) is waterproof and dustproof, ensuring stable and reliable connectivity in outdoor environments



PRODUCT LIST

Core Switch	2 x RG-S6120-20XS4VS2QXS
Switch	5 x RG-NBS5200-24GT4XS 7 x RG-ES218GC-P 16 x RG-ES209GC-P
AP	147 x RG-RAP2200(E) 5 x RG-RAP2266

KLANG COMMUNITY CCTV



Malaysia | Community



CUSTOMER BACKGROUND

The customer operates a community with 12 locations. Each building is equipped with four CCTV cameras and four voice intercoms.

The CCTV data from the 12 locations needs to be transmitted to a central monitoring room, with an average distance of less than 2 kilometers between locations.



REQUIREMENTS

- Stable network for CCTV and intercom communication
- High bandwidth and low-latency connection for smooth data transmission
- Secure data transmission for CCTV footage and intercom calls
- Easy-to-manage centralized network monitoring for all locations

RUIJIE SOLUTION

Cost Savings: Using Ruijie AirMetro bridges reduces costs by 20% compared to deploying multiple pairs of traditional wireless bridges.

Interference Prevention: AirMetro's advanced design prevents interference on the same pole, ensuring stable connections across locations.

Cloud Management: The network is centrally managed through Ruijie Cloud, providing real-time monitoring and troubleshooting from a single interface.



PRODUCT LIST

Wireless Bridge

- 1 x AirMetro550G-B
- 1 x RG-ANT13-360
- 5 x AirMetro460G
- 12 x EST350-V2



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