



Success Story

New Turkish Hotel Launches with State-of-the-Art ZyXEL Network Solution

“We believe that it is extremely important that we provide our guests with every technological opportunity in Antalya, the capital of tourism. We are very pleased with the successful implementation of this project.”

Ümit Gürel

IT Coordinator, Stone Group Hotels



Overview

Customer Name

Royal Taj Mahal Hotel, Turkey

Customer Industry

Hospitality

Challenges

- To ensure that the network infrastructure is up-to-date by using state-of-the-art products and solutions
- To provide all guests with uninterrupted, stable, and reliable Internet access
- To ensure that the solution is compatible with the requirements of the Law Number 5651
- To ensure the scalability and future-proofing of the solution

Solution

- 802.11ac Dual-Radio external antenna 2x2 Access Point
- Wireless LAN Controller
- 48-port Gigabit L3 switch with 10-Gigabit Uplink
- 24-port GbE L2 switch

Benefits

- A network structure ready for future demands
- Fast deployment thanks to trouble-free installation
- Stable and fast Internet access
- Security features compatible with the Law Number 5651
- Back-up for enhanced security

Background

The 5-star Royal Taj Mahal Hotel, a member of Stone Group Hotels, was built in Evrenseki, Antalya on an area of 40,000 square meters. It is an original and exclusive resort within Stone Group Hotels, neighboring a golden beach on the blue waters of the Mediterranean. This peaceful setting features excellent gardens, a 2700-square-meter pool, children pools, and a garden surrounded by date trees, providing guests with thorough comfort and luxury.

This new and extremely modern accommodation center required a network infrastructure capable of providing guests with uninterrupted, secure, and fast Internet access. Stone Group chose leading network solutions company ZyXEL to meet these technology needs.

Challenges

In the tourism industry, where the conditions change rapidly, network infrastructures need to be robust to ensure that information systems function properly and provide guests with premium service. Hotels and other hospitality businesses must supply their customers with high-speed, uninterrupted, secure, and manageable Internet services, because clients expect smooth, easily accessible connectivity for both entertainment and business purposes. In this context, Royal Taj Mahal Hotel wished to guarantee that their network would be future-proof, stable, and secure.

Solutions and Benefits

ZyXEL specialists performed an extensive analysis to determine the data security and internal Internet roaming requirements of the client. Once the needs of the Royal Taj Mahal Hotel were identified, ZyXEL proceeded to set up a wired and wireless network based upon their industry-leading products and end-to-end network solutions. KBG IT, the local ZyPartner solution partner, began by building the infrastructure around ZyXEL XGS4700 and GS2210 series Layer 3 and Layer 2 manageable switches. The network was constructed around a ZyXEL NXC5500 WLAN controller with Wi-Fi connectivity provided by WAC6500 series access points featuring the latest 802.11ac wireless networking technology. Thanks to ZyXEL solutions, the Royal Taj Mahal Hotel's IT department could now monitor and manage the entire network centrally from a single location.

The ZyXEL XGS4700 and GS2210 series switches were the preferred choice for the network's switching needs because of their high bandwidth, scalability and expandability. Thanks to gigabyte connected switches with fiber connections used throughout the entire project, along with high-speed dual radio WAC6500 series APs, the Royal Taj Mahal Hotel was able to invest in the present while preparing for future.

They chose leading network solutions company ZyXEL to implement the best strategy to achieve this goal. The project's main purpose was to create a modern wired and wireless network for the Royal Taj Mahal Hotel using state-of-the-art products and technologies that would provide uninterrupted, stable, and safe Internet connectivity for all local and international guests.

Additionally, the Stone Group reached an agreement with KBG IT to equip the group's other four hotels with ZyXEL products, with work begun August 15, 2015.

In referencing the project, ZyXEL channel project sales manager Erdem Timur Koca said, "At ZyXEL Communication, we are working very hard with our qualified solution partners to perform similar projects in our country, where tourism is of great importance. We are pleased that we were able to implement this successful project with ZyPartner KBG IT without compromising time, cost, or quality. We set out to provide excellent services for Royal Taj Mahal Hotel, the new popular venue for Antalya. We have provided the support and experience necessary as a team to ensure all-around satisfaction."

KBG IT project manager Ali Yilmaz added, "We were pleased to support Taj Mahal Hotel, a facility that stands out with its customer-oriented perspective with respect to hospitality, accommodation, and a service mindset in the tourism sector. As a member of the ZyXEL family, we are pleased to have completed such a prestigious project as promised."

Products Used



WAC6502D-E 802.11ac Dual Radio External Antenna 2x2 Access Point

- Advanced IEEE 802.11ac delivers up to 1.75 Gbps combined data rates
- Industry-leading receive sensitivity as low as -100 dBm
- APFlex™, DCS and tool-less bracket design streamline deployment
- ZyXEL One Network is supported



XGS4700-48F **48-port Gigabit L3 Switch with** **10-Gigabit Uplink**

- IPv4/IPv6 Routing
- L3 advanced routing protocols, OSPF, DVMRP, VRRP and ECMP
- Optional modular 10 Gigabit Ethernet support
- Multilayer-aware (L2/L3/L4) ACL for security protection and traffic optimization
- Guest VLAN
- IGMP Snooping v1, v2, v3, MVR
- sFlow, CPU protection
- RSTP, MSTP, MRSTP, VRRP
- Removable fan and power modules



GS2210 Series **24-port GbE L2 Switch**

- Fully managed Layer 2 switching solution
- GbE RJ-45 and GbE SFP connectivity
- L2 multicast, IGMP snooping, MVR and voice VLAN for convergence
- Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection
- L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control
- Future-proofed with IPv6 support
- ZyXEL One Network is supported



NXC5500 **Wireless LAN Controller**

- Centralized WLAN management and auto provisioning
- Manages up to 512 APs with granular access control
- ZyMesh simplifies complex, inconvenient cabling Wi-Fi Deployments
- Comprehensive features for WLAN performance optimization and always-on Wi-Fi connectivity
- Wireless LAN performance optimization via dynamic channel selection and load balancing
- Guest authentication by QR code

About ZyXEL Communications

ZyXEL Communications Corp., founded in 1989 and headquartered in Taiwan, is the leading provider of complete broadband access solutions. As one of the early modem manufacturers, ZyXEL has gone through transformations in the fast-paced networking industry. Delivering cutting-edge communications innovations to more than 400,000 businesses and more than 100 million consumers throughout the world, today ZyXEL is one of the few companies in the world capable of offering complete networking solutions for Telcos, small to medium-sized businesses, and digital home users for a wide range of deployment scenarios. Telco solutions include Central Office Equipment, Customer Premise Equipment, Wired and Wireless Access Network Devices, and Carrier Switches. SMB and Enterprise solutions include Unified Security Gateways, LAN Switches, WLAN, and IP Telephony. Digital Home solutions include Network Connectivity Devices and Multimedia Solutions.

The company has 1000 employees and distributors in 70 countries, reaching more than 150 regional markets. The ZyXEL Communications Corp. includes 35 subsidiaries and sales offices and two research and development centers worldwide. For more information, visit the company's Website, <http://www.zyxel.com>.

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