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BAYIR DIAMOND
HOTEL & CONVENTION CENTER
KONYA

Success Story

Zyxel Network Solution Shapes Guest's Journey at Turkish Five-Star Hotel

Hospitality INDUSTRY	Bayir Diamond Hotel & Convention Center- Konya CUSTOMER	**Turkey** REGION	Wired & Wireless Solution SOLUTIONS	

Overview

Challenges

- Provide wireless connectivity to large hotel and conventions center
- Separate networks used by the staff and the guests
- Provide centralized management for CCTV and active network devices
- Solution must comply with local Internet regulations

Benefits

- Successfully provided network connectivity across all areas of the hotel and convention center
- Separate sub-networks were created within the network of the hotel, providing distinct networks for both guests and the hotel management, to create a large pool of IPs
- IP cameras (CCTV) were made centrally manageable
- Active network devices could be managed from a central location

Solutions

- Zyxel wired and wireless network solution

"Our hotel is located in the city center of Konya and is operated as a five-star accommodation and convention center, with infrastructure equipped with the latest technologies. In addition to providing accommodation services with 214 rooms, we have seven halls of different sizes from 50 to 900 m^2 for gatherings such as seminars, conventions, engagement parties, and weddings. We wanted to separate the network used by the staff from the network used by our guests, while ensuring secure Internet access. Zyxel and their local business partner, Aybiltech, developed a project with the most suitable hardware and software for our hotel and implemented this project with successful planning. We would like to thank Aybiltech for providing this Zyxel-based solution with professional service quality"

Kazım Öztoklu
General Manager, Bayır Diamond Hotel

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Background

Bayır Diamond Hotel and Convention Center, situated in the Selçuklu district of Konya, Turkey, provides its guests with five-star comforts with ample room for events. The hotel offers accessibility and comfort, making it one of the most prominent accommodations in Konya with proximity to Selçuk University and the city center, as well as the city's historical and tourist sites. The hotel has 214 rooms, each equipped with the latest technologies.

In addition, the hotel has a parking lot with a capacity to host 300 automobiles, also has seven modern and roomy halls and foyer areas with sizes ranging from 50 to 900 m². Bayır Diamond offers its guest all the comforts they need to relax, including male-female health clubs, gyms, Turkish bath, sauna, swimming pools, and massage parlors within a total area of 2500 m².

Challenges

Market analysts Forrester Research found that 90% of hotel guests named WiFi among their top priorities for hotel amenities. In 2018, it is expected that there will be over 11 billion devices connected around the world, reaching 20.4 billion by 2020, according to market research firm Gartner.

As technology becomes more integrated in the daily lives of consumers, the unstoppable trend of digital transformation has shaped the hotel industry's focus from in-room amenities to technology to meet this growing demand for connectivity. However, free in-room WiFi is no longer enough to meet guests' expectation.

Internet speed and security have become their biggest concerns during their stay.

Bayır Diamond Hotel noticed this growing trend and decided to upgrade its network to remain on the cutting edge of technology. The hotel had several requirements for its new wired and wireless network. First, the solution would need to create separate networks for guests and staff. The network would also need to be centrally managed, as well as provided centralized control for the hotel's security cameras. As with any network solution in Turkey, it would require adequate controls and activity logging to comply with local regulations and laws.

Solutions and Benefits

Zyxel provided the required solution to the Bayır Diamond Hotel with assistance from local Zyxel partner Aybiltech. Staff and guest networks were separated via VPNs. The hardware and software required to ensure secure Internet access for both the guests and the staff were provided. With this project, Bayır Diamond Hotel received a secure and manageable Internet infrastructure for its staff and guests. The hotel now can offer its guests free, stable, and secure WiFi in the lobby and the rooms.

"We here at Aybiltech Engineering have been operating in this field since 2011, providing the Turkish IT market with

the latest technology at competitive prices and with comprehensive support," said Selçuk Ayhan, General Manager, Aybiltech IT & Engineering. "We sell state-of-the-art products and solutions at the most affordable prices, without compromising quality. We are successfully implementing system integration and consultancy service solutions in the tourism and hotel management sector. We are happy and proud to be able to provide Bayır Diamond Hotel, which has provided Konya with a five-star hotel and convention center, with the solution they require."

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# Products Used

USG1900 • Unified Security Gateway

- High-performance, high-value Next Generation Firewall (NGFW) for medium and large-sized businesses and campuses
- Anti-malware protection with firewall, anti-virus, anti- spam, Content Filtering 2.0, IDP, Application Patrol and SSL inspection
- Robust SSL, IPSec and L2TP over IPSec VPN connectivity and VPN high availability (HA)
- Unified security policy
- Cloud helper provides friendly firmware upgrade.
- Device HA Pro ensures smart handover
- Hotspot management is supported

NXC5500 • Wireless LAN Controller

- Centralized WLAN management and auto provisioning
- Manages up to 1024 APs with granular access control
- ZyMesh simplifies complex, inconvenient cabling WiFi Deployments
- Comprehensive features for WLAN performance optimization and always-on WiFi connectivity
- Wireless LAN performance optimization via dynamic channel selection and load balancing
- Guest authentication by QR code
- Zyxel One Network is supported

XGS4600-32 • 28-port GbE L3 Managed Switch with 4 SFP+ Uplink
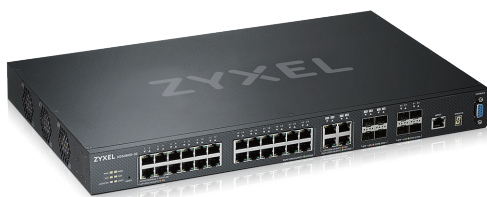
- Four built-in 10G SFP+ uplinks enable congestion-free, smooth data delivery for high bandwidth applications
- Dynamic routing protocols such as RIP and OSPF
- Provides high-bandwidth with true physical stacking of up to 4 units and 112 Gigabit ports
- L2 and L3 stacking capability to fulfill larger network deployment needs
- High resiliency with redundant power supply units

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GS2210 Series • 24/48-port Gigabit L2 PoE Switch

- Fully managed Layer 2 switching solution
- GbE RJ-45 and GbE SFP connectivity
- Complies with IEEE 802.3af PoE and 802.3at PoE Plus with high 375 W
- 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
- Supports ZON Utility and Smart Connect for easier, more efficient setup and management

WAC6502D-S • 802.11ac Dual Radio Smart Antenna 2x2 Access Point

- Zyxel smart antenna with more than 700 optimized antenna patterns provides breakthrough performance anywhere
- Ideal for high-density and interference-laden indoor environments
- Advanced IEEE 802.11ac offers up to 1.1Gbps combined data rates
- Industry-leading Rx sensitivity as low as -102 dBm
- AP Flex™, DCS and tool-less bracket design streamline deployment
- Zyxel One Network is supported

WAC6103D-I • 802.11ac Dual Radio Dual-optimized Antenna 3x3 Access Point

- "Dual-optimized" antenna allows pattern optimization adapting to wall- or ceiling mount installation
- 3x3 802.11ac supports combined data rates of up to 1.75 Gbps
- Load balancing on both standalone and managed modes
- Dual image supports for reliable WiFi connectivity
- Zyxel One Network for standalone AP managemen

About Zyxel Communications

Focused on innovation and customer-centricity, Zyxel Communications has been connecting people to the Internet for nearly 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for telcos and service providers, business and home users. Zyxel is building the networks of tomorrow, unlocking potential, and meeting the needs of the modern workplace — powering people at work, life, and play. Zyxel, Your Networking Ally.