IAKI elevates guest experience with Zyxel Networks solutions

Overview

IAKI Conference & Spa Hotel, an iconic landmark of the Mamaia resort on the Black Sea coast, is renowned for its exclusive offerings in a competitive HoReCa market. Facing limitations with outdated WiFi 5 infrastructure, IAKI turned to Zyxel Networks' WiFi 6 and Nebula cloud platform, delivered in partnership with ITLab Services & Security. This resulted in 300% faster wireless speeds, better performance in busy areas, enhanced security and simplified network management for a seamless guest experience.

Challenges

IAKI Conference & Spa Hotel previously operated a mixed network that included WiFi 5 access points from another vendor. However, the outdated technology limited performance, as today's standards demand higher speeds and support for more connected devices. With a large lobby, several restaurants, a swimming pool area and numerous conference rooms, the hotel sees a sharp rise in connections during the summer. Upgrading to WiFi 6 and a switch infrastructure capable of supporting advanced WiFi 6 and 7 technology became essential.

Solutions

The IAKI project integrated Zyxel Networks' full range of networking and security solutions, including switches, firewalls and access points, into a unified network architecture. This infrastructure was designed with scalability in mind, ensuring seamless adoption of future technologies.

George Zica, Senior Network Admin & Senior Cybersecurity Analyst, ITLab Services & Security SRL, said: "An important advantage of the Zyxel Networks solution implemented is the increase of the security level within the network. The architecture adopted allows for the efficient isolation of incidents, contributing to maintaining the stability and continuous functioning of the critical systems. Using equipment from a single provider also brings important advantages in the unitary management of the network and the Zyxel Networks equipment has a great price-to-performance ratio."

Customer
IAKI Conference & Spa Hotel

Industry
Hospitality

Location
Constanța, Mamaia, Romania

Organization Size
More than 100 employees

Partner
ITLab Services & Security SRL

Customer Background
IAKI Conference & Spa Hotel is a 4-star hotel situated in the Mamaia resort on the Black Sea coast. The hotel offers 122 rooms and apartments across two buildings: one historic building with four floors and another with three floors. The hotel has three restaurants, an outdoor terrace, outdoor swimming pools, a private beach, seven conference rooms and the IAKI Spa Center.

Results

The upgrade to WiFi 6 brought major improvements over the previous WiFi 5 setup, delivering faster speeds and support for more connected devices. The switch to Zyxel Networks technologies led to a 300% increase in wireless connection speeds.

The segmentation of various network categories has offered a significant performance advantage, especially in high-density areas like the hotel lobby and restaurants.

The Nebula cloud platform has also streamlined network management. While the current setup is hybrid (cloud and on-premises), a full migration to Nebula is planned by the end of the year.

Already the platform has greatly reduced the time required for device configuration and overall network administration.

Product List

- NWA50AX access point
- NWA1123-AC PRO access point

- GS1008HP unmanaged PoE switch
- GS1100-16 GbE unmanaged switch
- GS1350-26HP smart managed PoE switch
- GS1920-24HPv2 GbE smart managed PoE switch
- GS1920-48v2 smart managed switch
- GS2210-8 GbE L2 switch
- GS2210-24 GbE L2 switch
- GS2220-10 GbE L2+ managed switch
- GS2220-10HP GbE L2+ managed PoE switch

- USG FLE X 500 firewall

- Nebula Pro/Plus Pack license
- Gold Security Pack license