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TERMA CITY

Success Story

Zyxel Serves Up a Comfortable Communication Experience at This Turkish Spa Resort

INDUSTRY Terma City

CUSTOMER Hospitality

COUNTRY Turkey

SOLUTION Zyxel Switching Solution

Overview

Challenges

- Unify all of the hotel's internet, IP camera, and IP telephony infrastructure
- Ensure uninterrupted high-speed internet access throughout the large facility

Solution

- Zyxel Switching Solution

Benefits

- Switches provide centralized control over network traffic
- Gigabit connectivity deliver rapid data transmission speeds across entire network
- Consumption efficiency ensures minimal power costs

"Working with [Zyxel partner] Flagment Computer has been delightful, and we're now able to operate our IP cameras and IP phone equipment with ease. We're very pleased with the network infrastructure we've established and it's all thanks to Zyxel's products. The network will serve us well for a long time and can be configured to fit our needs perfectly."

Ahmet Atala
Purchasing manager, Terma City

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Background

Yalova is a famous spa town. Located in northwestern Turkey, the city of 100,000 has a rich history as a center of relaxation and wellness due to the mineral-rich natural spring water flowing beneath the area.

Of the many hotels in Yalova catering to the countless travelers it attracts, Terma City is the largest. It's also among the newest, having been in operation for only roughly a year. Terma City is a full-scale tourist resort, with its impressive design inspired by the architecture of the Seljuk Empire.

And it's even more impressive inside, housing 454 rooms, two restaurants serving traditional Turkish cuisine and flavors from around the world, and three meeting rooms with a capacity of 400 people. Then there's the beauty salons for both men and women, skin care center, spa center, traditional Turkish baths, saunas, two swimming pools, and sports complexes including a football field, basketball court, and tennis court. Phew!

Challenges

With such diverse facilities and so many of them, establishing and unifying Terma City's communication system was an epic undertaking involving infrastructure for the IP security cameras and IP telephony as well as to ensure uninterrupted high-speed internet access for every guest.

"Terma City receives many guests seeking a break from the stress of the big city. We decided on fiber-optic technology to provide internet access to guests—one of the most important elements in offering comfortable accommodation. We also needed it to satisfy our own requirements, namely our network infrastructure, security cameras, and IP phone

system," said Ahmet Atala, Terma City's purchasing manager.

The first task taken care of was putting in the backbone of this infrastructure, with the surveillance camera system installed alongside a fiber-optic cable network. Then came the real challenge: bringing all these disparate parts together using equipment that could send data at rapid speeds across the whole network.

Terma City called in Flagment Computer, a Zyxel local partner based in Yalova.

Solutions and Benefits

After analyzing the network's needs and the site's characteristics, the Flagment Computer team designed a plan utilizing Zyxel solutions.

The first piece of the puzzle that Flagment put together was the **XGS4600-32**. The 32-port switch has dynamic routing optimized specifically to simplify communications for businesses like hospitality venues and education institutions, making it perfect for Terma City. With Gigabit connectivity, it delivers rapid speeds, and the icing on the cake is its active-standby power redundancy feature, which triggers a backup power supply to take over in case the main power supply fails.

The other key pieces of the puzzle were switches from the

GS1920 series: the GS1920-24HP and GS1920-24. The line is designed for high-performance deployment in multiple SMB scenarios, featuring up to 28 Gigabit copper ports. The PoE model also reduces energy costs as its default consumption mode delivers only the actual power required.

"We're honored to have been picked to install the network infrastructure for Terma City," said Serkan Tanrikulu, Flagment Computer's project manager. "Now, having provided the infrastructure across this sprawling, multi-story facility, we're happy to say that the client has scalable network infrastructure that will serve them for many years to come."

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Products Used

XGS4600-32 • 28-Port Gigabit L3 Managed Switch with 4 SFP+ Uplinks

- Four built-in 10-G SFP+ uplinks enable smooth, congestion-free data delivery for high-bandwidth applications
- Provides high bandwidth with true physical stacking of up to four units and 112 Gigabit ports
- New ID design with carbon fiber-style name plate delivers a modern look and feel
- High resiliency with redundant power supply units

GS1920-24/24HP • 24-Port Gigabit Smart Managed PoE Switch

- Easy-to-manage rich L2 features with user-friendly browser -based management GUI
- Supports PoE+ standard to offer 30 W per port and a high PoE power budget of 375 W
- Smart fan design ensures silent operation in both desktop and rack-mounted environments
- Supports ZON Utility and Smart Connect to simplify network management and maintenance

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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.