



## Success Story

### Efitas Construction Company Connects Headquarters with Wireless Network Project



SMB



Efitas  
Construction  
Company



Turkey



Zyxel  
wireless  
solution

## Overview

### Challenges

- Provide wireless network service across a large number of floors and rooms in the company's main building
- Provide network support for a file server

### Benefits

- Rapid deployment and trouble-free communication support thanks to easy installation features
- Easy connectivity in spite of a high number of access requests
- Stable and fast Internet access

### Solutions

- 802.11ac Dual Radio Smart Antenna Access Point
- 802.11 a/b/g/n Dual-Radio Unified Access Point
- Wireless LAN Controller
- 24/48-port Gigabit L2 PoE Switch
- L3 Managed Stackable Gigabit Ethernet Switch

"It was a very important experience for us to use Zyxel solutions and to implement this project with Ministry Computer Ltd. As a company conducting business in the construction industry, establishing a trouble-free and stable networking infrastructure in our central building for the smart home that we will build in the future would constitute an important step in our customer-oriented business strategy. I want to thank all the teams who contributed in the project."

Cebraıl Bulut, General Coordinator,  
Efitas Construction Company

## Background

Founded in 1974, Efitaş Construction Company made a name for itself with several prominent construction projects throughout Istanbul. Following the 1999 Marmara earthquake that devastated several of Turkey's western cities, including districts of Istanbul, new construction standards were implemented throughout the country and Efitaş was at the forefront of efforts to modernize the industry. Today the company is a leading builder of industrial, residential, and commercial projects that utilize the latest developments in construction technology.



## Challenges

Modern employees and business professionals expect fast, safe, and reliable network connections where they work. This is particularly true in a company's central headquarters where the network is being shared across multiple rooms and floors by numerous employees. The network infrastructure needs to be strong and dependable

to provide adequate service and increase employee productivity. It was with this in mind that a new network infrastructure in the Efitaş Construction Company's central building was created with the help of Zyxel products.

## Solutions and Benefits

Efitaş worked with Ministry Computer, a Zyxel business partner. Although the scale of the project and layout of the building with its multiple levels and rooms was considered a potential hurdle to providing stable and fast network communication, these challenges were overcome with Zyxel solutions.

Zyxel specialists performed extensive analysis to assess the company's data security needs and indoor Internet sharing requirements to establish a wired network using cutting-edge products and peer-to-peer network solutions provided by Zyxel. For this project, Ministry Computer, a member of ZyPartner (Zyxel's solution partnership program), was the main contractor, and

Zyxel's products were utilized throughout.

The NWA5121-N 802.11 unified access points used in the project are controlled by Zyxel's NXC2500 wireless LAN controller, which provides a centralized management structure. These management features assured compliance with Turkey's Law No. 5651, regulating Internet access and usage in the country.

The seamless integration of Zyxel networking products assured quick and efficient deployment, as well as easy maintenance and management. The client is now able to support a large number of users throughout its offices with stable, secure, and high-speed network connectivity.

## Products Used

### NWA5121-N • 802.11 b/g/n Unified Access Point



- Ceiling and wall mountable
- Plenum rated housing
- 2-in-1 standalone/managed AP design
- CAPWAP management supported
- High-performance RF technology: Tx Beamforming and Rx Maximum Likelihood Demodulation (MLD)

### NXC2500 • Wireless LAN Controller



- Centralized management for up to 64\* APs
- ZyMesh mitigates complex, inconvenient cabling Wi-Fi deployments
- Client steering enhances efficiency of wireless spectrum utilization
- Auto healing maximizes Wi-Fi service availability
- Seamless integration with external AD, LDAP, RADIUS authentication
- Best investment protection with built-in RADIUS server

\*Management of 64 APs is supported with firmware version V4.10 or above

### USG210 • Next Generation Unified Security Gateway-Advanced Series



- High-performance, high-value Next Generation Firewall (NGFW) for small and medium-sized businesses
- Complete network protection with firewall, anti-virus, anti-spam, content filtering, IDP, next-generation application intelligence and SSL inspection
- Robust SSL, IPSec and L2TP over IPSec VPN connectivity and VPN high availability (HA)
- Built-in WLAN controller for centralized AP management and effortless WLAN scalability
- ZyXel One Network is supported

## 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.

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