

# Ankara Metropolitan Municipality

Powerful New Networks Fulfill the Potential of Turkish Tech Education Centers

## Customer at a glance



### Customer Name

Ankara Metropolitan Municipality



### Industry

Government



### Location

Ankara, Turkey



## Customer Background

TechBridge Academy is an IT education initiative launched by Ankara's municipal government dedicated to fostering tech skills and entrepreneurship among the public, particularly young people. With three locations with a capacity for 250 people, it offers guidance on topics from the metaverse to gaming and cryptology to robotics.

## Summary

With the existing networks unable to deliver the high speeds and security needed for a cutting-edge tech education, Ankara Metropolitan Municipality wanted to overhaul the infrastructure at each of the three TechBridge Academy centers. The project came with a few key requirements: being completed within a tight schedule and without interrupting daily operations. In addition, the IT admin had to be able to manage the new networks remotely and easily. The municipal government and its system integrator Aybiltech devised a futureproof plan centered on Zyxel's Nebula cloud networking solution. For performance, Zyxel's NWA1123ACv3 802.11ac Wave 2 dual-radio PoE access points were deployed, supporting a combined data rate of up to 1.2 Gbps. For protection, USG FLEX 200/500 firewalls were used alongside the next-generation ATP500 firewall, harnessing cloud intelligence to proactively prevent known and unknown threats. Tying them together are XGS1930 series 10G uplink smart-managed switches. Similar to their user-friendly interfaces, the solutions are designed for fast and efficient deployment. This was borne out in the project, which saw the infrastructure installed and configured while everyday work continued as normal. All the networks have been running equally smoothly since, according to the government's IT admin, who have had particular praise for the peace of mind offered by the robust security solutions and the ease of management provided by Nebula.

## Challenges

- Renew the three sites' networks in a limited timeframe without interrupting everyday operations
- Ensure the new infrastructure is easily to deploy and manage
- Provide powerful network security

## Benefits

- New infrastructure offers high-level security, performance and speed
- Nebula enables the networks to be managed completely via the cloud

## Products used

- ATP500 ATP Firewall
- USG FLEX 200/USG FLEX 500 UTM Firewall
- NWA1123ACv3 802.11ac Access Point
- XGS1930-28/28HP/52/52HP Smart Managed Switch