

Network stimulus for Istanbul's historic heart and modern-day administrative hub



Owing to its unique history, location and architecture, the population of Fatih, the capital district of Istanbul, can reach 3.5 million at peak times - making it the largest municipality in the city. The district – also the heart of historic Constantinople – is today home to provincial authorities including the governor's office, police headquarters, metropolitan municipality and the tax office.

About Radio Teknoloji

Radio Teknoloji takes a leading role in closely following and implementing current and future developments in Wide Area Wireless Network Technologies. We offer solutions in the same field with our brands InfiNet Wireless, Ceragon Networks, Altai Wi-Fi and Allied Telesis,

which are high-quality and high-end products in the wireless network and switch category, which play an important role among today's technologies. As Radio Technology Services, we offer solutions to our valued customers on wireless network with our experienced technical staff, quality equipment and quality solution partners.

Secure and streamlined

For the benefit of both the local residents and the huge number of tourists who visit the area each year, the Mayor of Fatih, Ergün Turan, wanted to make sure the municipality had the best and most secure broadband network in Istanbul.

Taking on the challenge were Fathi's IT manager Suat Eryılmaz and Technical

Manager Koray Sevinç. They began searching for a partner who would be able to bring together the twelve separate broadband networks that were running in the area with just one network and provide a solution which could handle the high levels of interference which occur across the area.

After passing a series of stringent tests to ensure that the proposed solution was viable, the contract was awarded to Infinet Wireless and the process of consolidating the different and highly sensitive existing VLANs into one network began. Networks used by the Disaster Coordination Center for CCTV and radio communication and the Police Department's radio communication network (used for voice, internet and intranet purposes) all had to be coordinated into the new solution.

Exceeding expectations

Working closely with local partner Radio Teknoloji, all of the municipality's different networks; such as CCTV, hotspot services, intranet, guest services, personnel information system, access control systems, surveillance cameras at parks and gardens and security systems are now running over Infinet Wireless solutions.

Radio Teknoloji Technical Manager **Salih Yıldırım** worked hard to maximize the performance of Infinet Wireless' products despite the region being full of buildings and hills that provided interference. Now the Fatih municipality has one of the biggest Infinet Wireless networks in country, equipped with a mesh of solutions including the Quanta 5.

The municipality of Fatih can now manage all their municipal units from a single point and have significantly improved CCTV coverage across the area. The number of Infinet Wireless devices deployed in Fatih has risen from 84 to nearly 115, providing a backbone for the 260 CCTV cameras which operate across the municipality, many in the area's public parks. They can also instantly share their images with Istanbul Police headquarters. Visitors to Fatih's many parks and open spaces also now benefit from free internet, which also extends into some municipal building too. Soon all parks and units will be connected.

Satisfied customers

Fatih Municipality Technical Manager **Koray Sevinç** said that

“Infinet Wireless and Radio Teknoloji have integrated 12 different VLANs seamlessly into one end-to-end solution. All 12 can utilise either the same or different endpoints with the same high level of performance all of the time”.



Mr Sevinç was also pleased with the way the new system cuts through interference; a quality which sets Infinet Wireless solutions above other competitors they had considered to be their new network provider.

Requirements

- Upgrade existing network
- Combine 12 existing separate networks
- Enhance CCTV surveillance capability
- Overcome obstacles and obstructing hills in the area

Solutions

- InfiLINK 2x2
- InfiMAN 2x2
- XG1000 26 dbi

- Quanta 5
- INFIMONITOR

Benefits

All of the municipality's different networks; such as CCTV, hotspot services, intranet, guest services, personnel information system, access control systems, surveillance cameras at parks and gardens and security systems are now running over Infinet Wireless reliable and fast network with high levels of service and efficiency.