

CASE STUDY

EPOKA UNIVERSITY CONVERGED NETWORK



CUSTOMER

Epoka University was established and is owned by the “Turgut Özal” Education Institution, which has also established and operated the much-acclaimed system of Turkish primary and high schools in Albania since 1992.

Epoka University is one of best national leading private research universities and in the mid-term, aims at becoming one of the best universities in the region.

By providing high quality teaching and support, modern infrastructure and innovative teaching methods, Epoka University is the first choice of the best students in Albania and in the Balkan region.

CHALLENGE

EPOKA University was looking to implement a new networking infrastructure for their latest building and also they were thinking to upgrade part of their network on existing buildings. The intention was to have a converged network infrastructure, able to support data, voice and video.

This network should be also certified by the vendor in order to comply with latest standards and guarantee network performance for at least 20 years.

A new telecommunication room for the entire campus should also be constructed in order to house cabinets where cabling will be terminated, network enterprise edge, telephony and video surveillance systems will be installed.

The response was PANDUIT’s Unified Physical Infrastructure, HP Networking, APC Racks, and Uniflair Technical Floor.

Summary

Organization

EPOKA University

Location

Rinas, Tirana, Albania

Industry

Education

Application

Converged Network Infrastructure

Products used

- PANDUIT Unified Physical Infrastructure
- HP 3800-24G-2SFP+ Switch
- HP 2530-24G-PoE+ Switch
- HP 1810-24G v2 Switch
- APC Racks and PDU
- Uniflair Technical Floor

SOLUTION

Synapse ATS provided a solution based on PANDUIT Unified Physical Infrastructure and HP Networking switches. The entire network is based on Cat.6 Class E UTP passive network components and it has 400 copper links installed using more than 25km of cables, 17 patch panels, 400 RJ45 modules and 24 fiber links. All the cables are terminated on Telecommunication Room which is recently constructed according latest standards.

Buildings are connected via a fiber backbone, powered by HP 3800 series switches. These switches serve as the distribution layer of the network, where all access switches are uplinked to each building. The network was further segmented by using VLANs for Data, Voice and Video.

After installation the network was tested for compliance with ISO11801 ClassE standard and results were evaluated by PANDUIT service team. After evaluation PANDUIT issued a 20 Years Performance Guarantee certificate directly to the End User.



RESULT

Combining these world class brands with Synapse ATS professional services, EPOKA University has a network infrastructure which is reliable, able to support voice and video, and easy manageable. The entire network was certified by PANDUIT with 20 Years Performance Guarantee according to EIA/TIA Standards. This new network is a reference for EPOKA University's further building constructions and it is also a show case for Synapse ATS to further leverage new business opportunities.

Contact Us

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