

Public metro infrastructures, centrally connected by iPECS solution

iPECS
Your Communications Solution



Over 1,000 Ext.



Government



iPECS CM



ANKARAY



About the client

ANKARAY Metro System is the oldest metro network infrastructure in Turkey. The current length of the network is 56 kilometers with 43 stations. The first phase M1 was constructed 15 years ago with 9 stations. Since then every 3 years another phase has been integrated, M4 is the latest phase to be completed in 2017 which includes 9 stations. Phase M5 is currently under construction with plans to be completed by 2020.

www.ego.gov.tr

Summary

The customer was having issues with voice quality and management difficulties using their established communication system that had been out-dated. They also did not see the old system expansion as being cost effective. The iPECS system was introduced and went on to be deployed through all of their modernization projects since 2010, starting with the M1 metro network. The iPECS system deployment has been completed, one by one through phase M4 by year 2017. The customer now has a strong trust and has been highly satisfied with the iPECS CM as being reliable, cost effective and easily expandable. ANKARAY has become a permanent communication partner. Whenever they plan for expansion of their new metro network system, iPECS will be deployed in parallel.

Challenge

ANKARAY is a public entity in Turkey and had multiple communication systems installed with no integration. The iPECS solutions had to provide superiority over the old systems while providing for future enhancements over the previous systems that the customer had. With the iPECS CM the distributed network system implementation provided them with the capabilities they needed along with emergency telephony systems for each station and to be centrally managed. The communication system expansion must provide them with future feature updates and to be made with ease.

Products

Platform

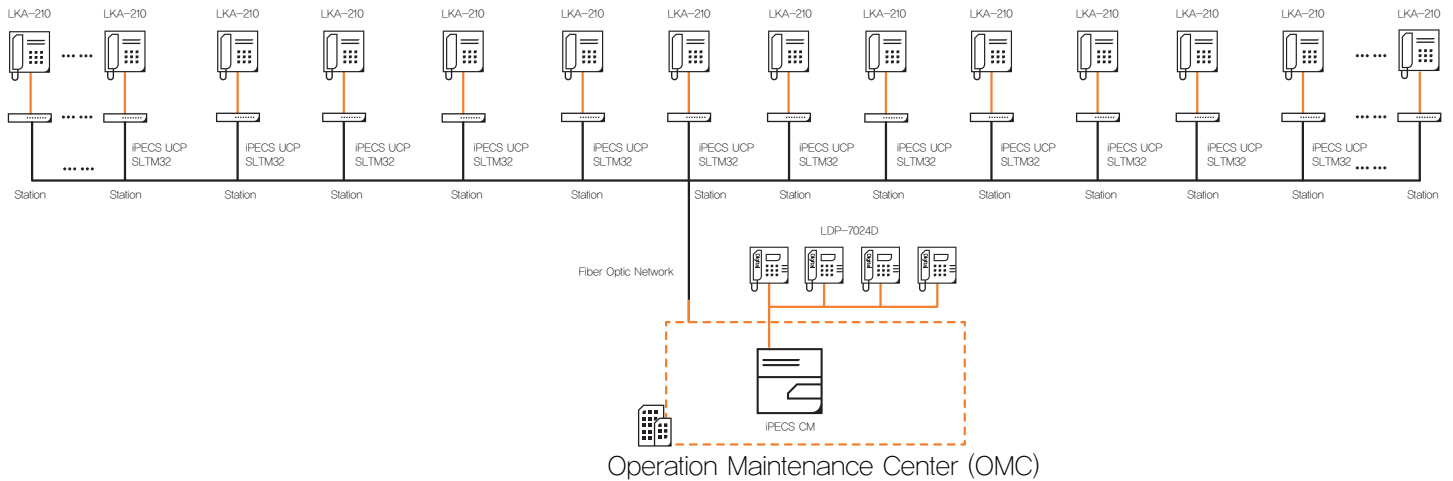
- iPECS CM

Terminal

- LDP-7024D
- LKA-210



Be easy when deploying, managing and maintaining



Solution

- Centrally managed by the Operation Maintenance Center (OMC) where the iPECS CM is installed on the site.
- iPECS CM redundancy was provided for system reliability.
- Fiber optic network is connected between all metro stations and the OMC.
- Every 300 meters there is an emergency analog phone installed and each station has iPECS UCP SLTM32 module installed.

Benefits

The metro infrastructure with the robust and remote iPECS solution is now more reliable with the emergency phones installed every 300 meters and they work perfectly even with the iPECS UCP SLTM32 module installed over 1,000 meters away and with over two thousand telephony units being in use every 300 meters in tunnel. Considering the emergency circumstances the system had to have redundancy support. The customer now has the benefits of an analog and digital telephony network system that is centrally managed and controlled at the OMC. With iPECS solutions successfully installed their communication network is now easily deployed, managed and maintained by the customer, ANKARAY.