

Vienna Railroads Cooperation

Vienna Railroads Cooperation replaces its two existing video surveillance systems with the IP-based video surveillance system Observer from NETAVIS.

Industry:
Transport

Location:
Wiener Neudorf, Austria

Applied modules:
Observer Enterprise

Technical data:
120 cameras, (network cameras, analogue cameras); 12 server; integration of emergency



"For us, the main benefit of NETAVIS is that we can centralize the entire system and expand it continuously."

Norbert Moller

The challenge

Vienna Railroads Cooperation (WLB) is a modern private cooperation specializing in passenger and commercial transportation. As part of the integrated public transport system "Vienna East Region", it transports more than 30,000 people a day over a distance of 30.4 km between Baden and Vienna.

One of the company's top priorities is security. This is why two isolated applications for video surveillance were installed a few years ago. But because these systems failed to deliver satisfactory performance, WLB began searching for a new system to replace the two existing systems. WLB needed a system with which all railway and tram stations could be displayed and monitored centrally in one system.

In addition to general cameras, even the emergency telephones were to be equipped with cameras and a direct connection to the surveillance system.

Furthermore, the existing infrastructure (analog cameras) was to be integrated and expanded.

The solution

NETAVIS Observer is a fully scalable IP-based video surveillance software. Thanks to the easy integration of NETAVIS Observer, it was possible to integrate parts of the existing surveillance system. For instance, all existing analog cameras were reused and supplemented by digital Axis cameras.

From the railway control centre in Wiener Neudorf, all stations are monitored and controlled with a centralized PC via local network. Furthermore, all emergency telephones are equipped

with cameras and direct access to the NETAVIS system.

The benefits

The main benefit of the NETAVIS system is that instead of the two existing isolated systems, there is now one homogeneous, scalable and robust video surveillance system, which is available within the complete network of the Vienna Railroads Cooperation and offers a high degree of usability.

Specifically, this means that different camera technologies can be combined in the NETAVIS system. Furthermore, existing systems can be easily expanded with little effort. Thanks to the integration of the existing analog cameras, investment costs can be minimized significantly. In addition, the NETAVIS software platform allows multiple and parallel access to live and archived data from different operation points.

Because the emergency telephones are equipped with integrated cameras and have a direct connection to NETAVIS, emergency situations can be identified quickly and correctly. If the emergency button is pushed, the integrated camera sends a picture to the headquarters via Observer. Combined with other camera pictures, the security personal is quickly able to assess the seriousness of the situation and can respond accordingly. The cameras fitted to the emergency telephones allow any improper push of the emergency button to be traced.

Installation of the first server took 2 days, during which day-to-day operation was in no way interrupted. Even the servers can be continuously extended without any problems.