Axis cameras help ensure safety and order in small towns.

Mokrá-Horákov municipality invests in surveillance system in both urban and rural areas.

Organization:
Mokrá-Horákov municipality

Location:
Czech Republic

Industry segment:
City surveillance

Application:
Safety and security, law enforcement

Axis partner:
COMIMPEX spol. s.r.o.

Mission

The South Moravian municipality of Mokrá-Horákov utilizes its own surveillance system. After several years of operation, municipality representatives decided to complement the systems with new modern IP cameras. The investment involved not only outdoor public areas, but also the local school. The objective was to strengthen crime prevention. The system was to serve not only the municipal police, but also the authorized operators of the school.

Solution

Comimpex, an Axis partner, used AXIS P1354 Network Cameras in the project, and there are a total of 16 of them installed within the surveillance system. The cameras transfer footage within a dedicated network to a unified storage, which is secured for the purpose of personal data protection. The integrator also success-fully addressed a problem with powering outdoor cameras located on lampposts, which are powered only during night time.

Result

A secure Internet connection within a proper dedicated network, addressing the problem of powering cameras located on lampposts, and monitoring new locations, represent an advance in effectiveness of the IP-based surveillance system for the municipality of Mokrá-Horákov. The recorded video content is available from a unified storage within a dedicated network, and is only accessible by a limited group of individuals. CxC, a proprietary video management system from Comimpex which supports video analysis, is used for video management. In Mokrá-Horákov there are a total of 16 AXIS cameras in operation, which protect the safety of citizens, public and private property.

AXIS COMMUNICATIONS

"**The system is invulnerable since a dedicated network is involved, where all circuits meet in a single protected location.**"

Jan Hotovec, Comimpex.

Crime prevention: An active approach

The administration of Mokrá-Horákov has reacted to the results of the elections and decided to reinforce the surveillance system in terms of fulfilling their election promise. The municipality did not face excessive crime, but they wanted their citizens to feel safe. The municipality administration believes in the crime prevention project, for which the surveillance system is a perfect tool.

"Before commissioning, there was a circular distributed among citizens and they were all informed about the surveillance system operation, including eventual requests for recording," clarifies Jan Hotovec from Comimpex.

The surveillance system operator can search for a recording in a particular timeframe and at the same time use the function of up to six times playback speed when searching. The recording can be used by security forces and the police for purposes of evidentiary procedure, e.g., in case of petty thefts or damage to property. In Mokrá-Horákov they work with 8 cameras within the municipality. Moreover, there are six outdoor and two indoor cameras located in the school building. Technicians chose AXIS P1354 Network Cameras for the system.

A solvable problem in rural areas

There was a problem with powering during installation, as the lampposts on which cameras are installed only worked in a time-switched phase, not throughout the day. Therefore, the Eon energy provider reserved an independent circuit to power the public surveillance system for the municipality. On the contrary, the independent system in the local school did not face this problem; powering within the school premises was not an issue.

Close cooperation also takes place with the local Internet service provider, Vivo Connection, which provides connectivity through their dedicated optical network. This cooperation is very important as the ISP provides an access point with all the necessary parameters in a particular location. This solution has the advantage that sensitive data, e.g., with personal information, do not pass through public networks and their abuse is not a threat. Access to the system is only possible by authorized persons, data are encrypted and it is necessary to know the access passwords. The system integrator is dealing with installations of surveillance systems in the surrounding municipalities, such as Sokolnice and Šlapanice, where the same company is providing Internet connectivity as in Mokrá-Horákov. Therefore, it was easy to arrange provision of a connection for the surveillance systems with the same parameters and also with much faster delivery speeds thanks to a clearly defined and tested model.

Further development

The next step in the development of the surveillance system in Mokrá-Horákov should be the installation of more cameras in new locations. This involves the area near the post office and in the car park in front of the municipal library and clinic, which have high traffic density and movement of people. One of the ideas of the locals is also usage of the cameras' smart features to analyse the movement of people around the municipality or for recognition of licence plates at parking or passing cars. CxC software, developed by Comimpex, primarily works as video management software (VMS), but also enables identification of licence plates of passing or parking cars. The recording may then serve as reliable evidence.

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CxC

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