

Iron security for coppersmiths.

Axis cameras for Uralelektromed headquarters.



Organization:
JSC Uralelektromed

Location:
Verkhnyaya Pyshma,
Russia

Industry segment:
Commercial

Application:
Safety and security

Axis partners:
UGMK-Telecom,
Macroscop - Satellite
Innovation, LLC

Mission

Uralelektromed is a part of Ural Mining Metallurgical Company (UMMC) engaged in copper electrolytic refining and copper product manufacturing. All the branches and production sites of the company are coordinated by the headquarters located in Verkhnyaya Pyshma. In 2018, the security video surveillance system in the headquarters building was retrofitted: the out-of-date analog cameras inside the building and at the surrounding area were replaced with IP cameras.

Solution

The video surveillance system at Uralelektromed office building was upgraded by UMMC-Telecom company. This system integrator has successfully deployed a large number of projects involving Axis network cameras and this project is no exception. The operating capabilities as well as practical configuration and easy integration with Macroscop video management system used at the customer site became the driver for Axis cameras.

Result

Today, the security inside the building and along its perimeter is ensured by 64 various outdoor and indoor Axis cameras. The video streams from these cameras are transmitted to the centralized control room. IP-cameras integrated with the dedicated Macroscop software is a powerful tool for the security staff that not only allows to directly monitor the secure facilities and store the video archive, but also to use video analysis capabilities in the long run. With this video surveillance system, you can effectively monitor and promptly prevent such incidents as intrusion, theft and tampering, inappropriate actions of the staff.

“Today, we use Axis IP cameras to keep the discipline at the facility and store the video archive, while in the future we plan to expand the application of such video analysis capabilities as face and license plate recognition. Axis cameras offer a whole bunch of advantages: perfect picture quality, user-friendly configuration in AXIS Camera Manager, smart customer support and manufacturer’s warranty.”

Security employee of Uralelektromed.

Unique features of the project

To design a surveillance system dedicated for a relatively large building of Uralelektromed with an entrance checkpoint and two long side wings was quit a challenge, but UMMC-Telecom did its best to find an ultimate solution: slightly over 60 cameras were installed inside the building and along its perimeter. Different types of cameras were used as applicable while the specification and a wide viewing angle contributed to the proper layout of the cameras. For example, AXIS Q60 PTZ Network Camera with 40x zoom and Axis Lightfinder functionality for surveillance in challenging light conditions is installed at the building entrance. This camera not only covers the entrance, but also the parking lot. Specially designed fixed dome cameras are installed inside the building, in the lobby, corridors and rooms.

With this video surveillance system, the security staff monitors the possible incidents: nighttime intrusions, illegal actions (for example, smoking outside the designated area), thefts at the car and bicycle parking lots etc. All high resolution, detailed video records are stored in a video archive for a certain period of time and are used as forensic footage when investigating incidents.

Features and perspectives of the system

In recent years, the replacement of out-of-date analog video surveillance cameras with digital ones became widespread among industrial, logistics and other enterprises. The reason for such a focus on IP cameras is not only the image quality, but also the convenient installation, easy maintenance and user friendliness. For example, in the case of Uralelectromed, AXIS Camera Manager was used for remote configuration, centralized automatic firmware update and camera status monitoring.

In many cases, the possibility to integrate the video cameras with various video management applications providing the user among other things with a wide range of video analysis functionalities is not less important. Thus, Macroscop software offers several video analysis modules that in the future coupled with Axis cameras can be used at the enterprise, for example, for face and license plate recognition and their identification in the database, «black list», perimeter cross line detection. Axis network cameras and other devices can also be integrated with access control and voice announcement systems. All the capabilities of intelligent video surveillance system are managed intuitively right from the security control room allowing the security staff to promptly respond to incidents.



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