Sokolniki Exhibition and Convention Center.

AXIS Camera Station operates the new "We Are Online" service at Sokolniki.

Organization:
Sokolniki Exhibition and Convention Center

Location:
Moscow, Russia

Industry segment:
Stadiums/Venues

Application:
Safety and security

Mission

The project arose out of the need to upgrade the video surveillance system currently operating at the Sokolniki Exhibition and Conference Center, which mainly performs security and administrative functions. Since images from approximately ten video cameras are transmitted to the internal site, it was cumbersome and virtually impossible to work with the image and recording. Thus, the initial objective was to install a video recording system with an extended archive, redundant recording and the capability to post information on the sokolniki.com website.

During the course of the project, an additional objective was established: to increase the number of cameras at the site so that visitors could gain a more comprehensive experience of events held at the Exhibition and Conference Center by directly visiting the organization's website. Hence, the "We Are Online" project was born.

Solution

AXIS Camera Station was selected for managing the images. Data archiving for up to 90 days, simultaneous camera image recording on two servers, broad functionality and a flexible interface were the main features that made this a convincing solution for the exhibition center. Fixed Axis cameras were selected to expand the video network, primarily due to the reliability and functionality of the equipment and the availability of professional technical support.

Result

The result is a video system that is completely defined by the user. Now, any visitor to the sokolniki.com website can not only see with their own eyes what is taking place at the exhibition center, but can also judge for themselves the high standard of quality and work involved in organizing the events hosted at the facility.

AXIS ®
COMMUNICATIONS

"The result of the project result has met our full expectations. We considered a number of possible solutions from various suppliers, and ultimately we were drawn to Axis because of the reliability of its cameras, which are adaptable and easy to install. We were also won over by the long-term software and hardware support, which were not offered to us by other suppliers."

Ilya Moskalev, IT department manager at the Sokolniki Exhibition and Conference Center.

Prerequisites for creating "We Are Online"

The Sokolniki Exhibition and Conference Center is one of the most important business complexes in Moscow. It is not without good reason that Sokolniki is chosen for holding forums and conferences not for mass attendance, but for a narrow, high-level professional audience. Guests come from all across the globe to attend events held at the Exhibition and Conference Center.

The highly active business and cultural life of the Exhibition and Conference Center demands new formats for presenting information to potential visitors of events, so, while the video surveillance system upgrade was being developed, the center's management decided to organize a user-defined transmission of images from the video cameras on the Sokolniki website.

Project requirements

The main requirements for the supplier were:
> equipment reliability
> HDTV quality images
> capability for organizing video hosting services
> flexibility, adaptability and scalability
> broad functionality
> PoE support
> competent and immediate technical support

Based on these requirements, only IP equipment was considered as a solution. Analog options were also considered at the beginning of the project, but they were almost immediately rejected since in this case the video data transmission route would have involved additional signal-conversion equipment. Also, an additional power supply grid would need to be installed for analog cameras, which would entail an added expense.

Why Axis?

In the process of selecting equipment and a supplier, a number of options from leading suppliers were considered, and tests and opinions were studied. Sokolniki eventually opted for the solution proposed by Axis.

Along with such key parameters as reliability, image quality and the ability to be integrated into the IP network by means of the ONVIF protocol, Axis came out on top because its functionality most closely met the set objectives, and also because of the first-rate technical support it offers its customers.

Safety and security

Approximately 300 cameras for various applications are currently operating at the Exhibition and Conference Center and Sokolniki Park. A significant number of these form part of the security system. For example, AXIS M1054 Network Cameras with a microphone and LED illumination are installed in a number of rooms, activated by a trigger signal and transmitting comprehensive information from the location to the security room. A pilot program is also running, currently in the development and testing stage, to monitor the entrance and parking garage of the Exhibition and Conference Center. The scope of this project proposes automatic car license plate recognition, with transmission of a signal to the access barrier and live data to security monitors and the video archive.

"We Are Online"

Isolating the viewing cameras in a separate network was not considered advantageous, so all the equipment is integrated into a single IP-environment, in which streams from the video cameras are isolated by assigning access levels to specific cameras. The video transmission project from the Exhibition and Conference Center floor and pavilions to the sokolniki.com website is now fully functional within the viewing television framework.

The next stage now is to expand the video network to the park area. On the park.sokolniki.com website, you can already view the stream from a number of video cameras installed around the Exhibition and Conference Center.