

Rhode Island Department of Corrections (RIDOC)

John J. Moran Medium Security Facility

Cranston, Rhode Island

Challenge

The administrators and security personnel of the Rhode Island Department of Corrections (RIDOC) desired an upgrade solution to the existing analog CCTV system that was in place at their John J. Moran Medium Security Facility in order to increase their viewing and recording capabilities. This project presented some unique challenges, both technical and logistical, due to the nature of the facility. In an environment where the viewing and recording quality of the video is critical to the client's successful operation, the existing analog CCTV system consisted of 128 cameras which relied on antiquated Digital Video Recorders (DVRs). Not only was it essential to deploy a new, updated system, but due to the client's continuous reliance on video surveillance, the deployment had to minimize any downtime.



Before: Existing CCTV System Headend



After: New IP Video System Headend

Solution

SIGNET Electronic Systems, Inc. met the logistical and technical challenges and successfully completed, in one day, the deployment of a 128-Camera, IP-based Video Surveillance System. By implementing a strategically planned installation process, the SIGNET team was able to deploy the new system in the client's facility in one day, therefore having no impact on the facility's crucial operation.

SIGNET performed a detailed site survey of the existing analog CCTV system while determining potential space and power available for new equipment. We were able to architect a plan whereby the new system—the servers, workstations, network switches and IP video encoders—was preconfigured and fully tested offsite in the SIGNET Technology Lab prior to deployment. Once successfully tested, the new system was installed at the Moran Medium Security Facility in parallel to their existing system. To avoid any downtime of surveillance, each of the 128 cameras was cut over, one-by-one, to the new system, while the personnel received training on the features and functionality of their new system.

The new system provides the administrators and security personnel with optimal capabilities for viewing of live video, enabling them to simultaneously view video from multiple cameras, as well as enhanced capabilities for playback of recorded video, providing the ability to search recordings based upon events or predefined analytics. The system utilizes the latest and most efficient video compression algorithm (H.264), which affords the client increased retention of recorded video. SIGNET deployed equipment from leading industry partners—ONSSI (IP video management software), Axis (video encoders), HP (Ethernet switches) and Dell (servers and workstations).

This installation was an exciting opportunity for SIGNET to utilize solutions for video surveillance which we have successfully deployed in other facilities.

Integration Group
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