

CASE STUDY

NUCLEAR POWER PLANT OPERATOR UPGRADES SECURITY PERIMETER WITH ANIXTER

Customer Challenge

An operator of nuclear power plants wanted to upgrade perimeter security for its facilities through the use of enhanced video surveillance. The operator was under government mandate to upgrade its system to meet federal requirements and avoid any fines or restrictions. With an 18-month window to complete the upgrade, the operator needed an advanced system that supplemented its armed guard presence.

The perimeter security upgrade affected 10 nuclear power plants located in the U.S. Because securing nuclear power plants is central to national security, the operator needed to assess the technologies and products available to provide a solution that adequately secured the 10 facilities. To help with the product selection, procurement and delivery, the operator turned to Anixter for their industry-leading expertise in analog and IP-based video surveillance.

Anixter Solution

In order to select the best solution for its needs, the operator wanted to familiarize itself with the products and technologies for the deployment. The operator wanted to upgrade its conventional cameras in low-light areas to thermal cameras and wanted to mount PTZ cameras on top of light poles at various intervals around the perimeters of its facilities to fulfill the operator's security requirements.

To fully demonstrate the different products and technologies, Anixter invited the company's engineers, physical security guards and IT personnel to its Infrastructure Solutions LabSM located in Glenview, Illinois. Parts of Anixter's presentation to the plant operator included different technologies, best practices and products for perimeter security. This included demonstrating different IP and analog cameras, DVRs and other recording devices, as well as cabling infrastructure and related accessories. Based on the options and capabilities presented, the operator selected analog-based cameras that used encoders and fiber cabling to run back to the central facility.

After the operator selected the products, Anixter created a bill of materials, including the cameras, fiber cabling, copper cabling and monitors and sold the products to an integrator working with the operator. The bill of materials was given to the integrator, and Anixter assigned a project manager at each site to deliver the right materials according to the build out schedule.

SUMMARY

Customer

Meeting Government Mandates

Challenge

Select and procure products for perimeter security video surveillance network at 10 facilities

Solution

Product Demonstrations at the Infrastructure Solutions LabSM

Results

- Avoided Fines by Meeting Deadline



Through Anixter's technical expertise, lab facilities and in-depth product knowledge, Anixter was able to help the power plant operator select the appropriate security infrastructure for multiple facilities by providing an objective third party to evaluate and demonstrate video surveillance products.

The Anixter Infrastructure Solutions LabSM

The Lab's mission is simple: to educate, demonstrate and evaluate.

Anixter's UL-verified Infrastructure Solutions Lab actively demonstrates and evaluates the latest infrastructure and security solutions from best-in-class manufacturers in the areas of enterprise cabling, data center design, video security, industrial automation and access control to help our customers make informed purchasing decisions.

We continually test products to recommend and deliver consistency and quality across product lines and within systems. We also test for interoperability of divergent systems to help our customers integrate products and follow the trend toward convergence.

Visit anixter.com/Lab to request a Lab visit.

Project Solutions

Through Anixter's technical expertise, lab facilities and product knowledge, it was able to help the power plant operator by providing a neutral third party to evaluate and demonstrate products without favoring a particular brand over another. This allowed the company to select the best products for its strict security requirement.

The power plant operator received its new perimeter security solution before the 18-month period was complete and avoided any fines or restrictions by the federal government. Because of the success associated with the perimeter security solution provided by Anixter, the power plant operator is looking to expand video surveillance operations throughout the nuclear facilities.

