

Security Solutions

Project: Vestolit

With +60 acres and +20 buildings, Vestolit needed a security provider who could deliver comprehensive, turnkey service, a vast wireless network, and a systematic upgrade path for its access control and video surveillance platforms.

Background

One of the world's leading raw material suppliers of polyvinylchloride (PVC), Vestolit has been in the resin business for more than 70 years. The Pedricktown New Jersey campus is an extensive facility employing more than 100 people across multiple buildings and acres.

One of only two Vestolit manufacturing sites in the United States, the facility is essential to the company's domestic production pipeline.

Challenges

Vestolit was struggling with inadequate service from its prior security company, resulting in both access control and video surveillance problems. The system was not working reliably, and both network and camera coverage was inadequate. The company looked to CM3 for guidance on the overall system design, as well as problem resolution.

Rather than replacing the entire system, CM3 sought opportunities to leverage the existing cable infrastructure and cameras, while upgrading the network and access control systems.



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While many security companies can do an adequate job serving small businesses, complex installations such as the Vestolit campus require broader experience, fully-trained staff, ongoing management, and emergency support. That's where CM3 excels. Our ability to work across manufacturers in a challenging, complicated environment sets us apart and provides a significant advantage to our customers.

- Jeff Saffirstein,
CM3 Account Executive

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Goals

1. Provide coverage of the facility in the areas with existing cameras and supply a server that can accommodate additional cameras down the road.
2. As budgets permit, add multisensor cameras in various locations in order to minimize costs by eliminating the need for additional cable runs and licenses.
3. Ensure network reliability for the existing and additional video information. Between the multi-head cameras and the 4K, a high throughput infrastructure is essential to provide a good video product.
4. Deliver a solution that will resist potential interference due to the EMF at the plant.

Solution

- » Install a sophisticated 60Ghz wireless network to deliver reliable network control across the campus.
- » Implement an open-architecture access control system to enable integrated badging and access.
- » Replace an aging video management system with one that was more easily upgraded while simultaneously minimizing future license costs or software support agreements thus reducing ongoing operating cost as might be found with other systems.
- » Selectively replace and upgrade cameras in key areas.

Future

Upgrade and expand cameras as budgets permit. Emphasis on multi-image cameras with artificial intelligence to provide fuller coverage of the expansive property.

Video Surveillance System

- » Custom live and recorded camera viewing workspaces with an intuitive drag and drop tool.
- » Quick access to on-demand zoom windows to see close-up details of live and recorded activity.
- » Generate alerts and alarm notifications when specific motion detection or analytic triggered incidents occur.
- » Locate important video with interactive flex timeline and a range of analytic-based search tools for recorded video.
- » Nested search-based navigation menu to identify connected cameras and layouts.
- » Bird's eye view of all cameras using built-in background map imagery.
- » Consolidated notification panel for dedicated alarm management.



Hanwha Vision Wisenet WAVE

Access Control System

- » Open-architecture software and hardware that is customizable to fit any security solution requirement
- » Supports a large number of locksets, biometric solutions, readers credentials, and much more
- » Third-party software and hardware partners
- » Smart audio and IP intercom devices
- » Custom and built-in reports
- » Real-time notification
- » Remote management
- » Web client



RS2 Technologies AccessIT

Wireless Network

- » A sophisticated, 60 GHz wireless network
- » Throughput equal to a typical fiber network solution
- » Approved for use by the NRC at nuclear plants due to its resistance to EMF interference
- » Point to multipoint wireless is encrypted for protection



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