

Industrial Security User Story:

Chemical Plant Security intuVision/Industrial Video Controls



“Using video to monitor events in an industrial plant often means the labor intensive task of reviewing hours or days of recorded video. IVC Alarm Server system integrated with intuVision Video Analytics makes it possible to react to events in near real-time.”

Clark Esler, Marketing Director, IVC

One of Industrial Video Controls' (IVC) customers, a large polyethylene plant in Central America requested a monitoring solution that includes video analytics seamlessly integrated with the monitoring system.

Industrial Video Controls (IVC)

Based in Newton, MA IVC delivers broad range of IP-Video systems to industrial, commercial and military applications. Their standards based software delivers quality video to client devices. www.ivcco.com

Equipment-at-a-Glance

Hardware: IVC Alarm Server & Video Server, 60 hazardous area cameras.

Software: intuVision VA v6.3, IVC Alarm & Relay Monitors



Plant Process Monitoring with intuVision VA and IVC

Due to the hazardous chemicals to be used and produced at the plant the security of the site was a great concern. IVC integrated intuVision VA alarms into IVC Alarm Manager to generate tailored responses and actions to enhance plant's safety and security.

Benefits

- All-in-one video surveillance and analytics
- Petrochemical plant safety and improved operations
- Reliable security video monitoring
- Tailored responses for each alarm type

intuVision User Story: Industrial Security

"Heightened security concerns at many industrial sites, such as this polyethylene plant demand a more vigilant surveillance approach. IVC industrial video solutions coupled with intuVision video analytics provide a security solution that is less dependent on constant monitoring by security personnel." C. Esler



Solution Details

IVC installed over 60 of their hazardous area Class I Division 2 certified stainless steel dome cameras throughout the petrochemical plant along the perimeter of the facility and at operational locations. IVC worked with intuVision to integrate video analytics into their Alarm Server.

All live video streams from the cameras are fed into intuVision Video Analytics by the IVC Relay Server. intuVision Video Analytics analyze the video in real-time to detect:

- Activity in critical areas,
- Crossing of user specified virtual lines
- Intrusion into specific areas
- Objects left behind
- Objects taken from their place, and
- People Loitering

intuVision VA system provides details on alarm type and location the IVC system response can be quickly tailored to each alarm in a more comprehensive manner. intuVision VA alarms are sent to IVC Alarm Server and IVC Alarm Manager then initiates the actions tailored to fit the application requirements for each alarm.

The seamless integration between intuVision video analytics IVC software makes it possible to use a wide range of video analytic rules on any camera for both security, safety and operational purposes. This petrochemical plant uses powerful intuVision video analytics to detect security violations as well as to detect people violating safety precautions. intuVision video analytics has provided the plant with much needed automated monitoring throughout their campus.

