Industrial Application User Story: intuVision/Industrial Video Controls

> " Using video to monitor events in an industrial plant often means the labor intensive task of reviewing hours or maybe days of recorded video. Our 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*

Challenge

One of Industrial Video Controls' (IVC) customers, a large polyethylene plant in Central America needed a video monitoring solution for process safety. An IVC camera system comprised of over 60 hazardous area cameras is deployed for this system. Due to the critical nature of the hazardous chemicals to be used and produced at the plant the security of the site was a great concern. The petrochemical plant requested a solution that includes advanced video analytics seamlessly integrated with the monitoring system.

IVC worked with intuVision to integrate intuVision VA with IVC system to have the video to be analyzed by intuVision Video Analytics, and IVC Alarm Manager to generate tailored responses and actions to enhance plant's safety and security.

About Industrial Video Controls (IVC)

Based in Newton, MA IVC delivers a broad range of IP-Video systems to industrial, commercial and military applications. Their standards based software which delivers quality video to PC's and other client devices over a network is designed to be scalable and easily integrate with 3rd party applications. A key strength of IVC is its ability to develop, cameras, enclosures and software to meet demanding deployment requirements.

Industrial Application User Story: intuVision/Industrial Video Controls

Solution

IVC installed their 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 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.

"Heightened security concerns at many industrial sites, such as this polyethylene plant demand a more vigilant surveillanece approach. IVC industrial video solutions coupled with intuVision video analytics provide a security solution that is less dependent on constant monitoring by security personnel." said Mr. Esler. The features within the intuVision VA system provides details on alarm type and location the IVC system response can be quicly tailored to each alarm in a more comprehensive manner.

Industrial Application User Story: intuVision/Industrial Video Controls

Results

The intuVision and IVC integrated solution provides exceptional operational safety and security to the petrochemical plant. Monitoring and automatically detecting potential safety and security violations makes it possible to respond to them in a timely fashion.

Benefits

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

Equipment-at-a-Glance

Hardware:

IVC Alarm Server & Video Server
60 hazardous area cameras

Software:

IVC Alarm Monitor& Relay Server sw
intuVision VA version 6.3

intuVision
intuitive video analytics