

# The Benefits of Video Integration for Facility and Asset Management

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## FORMAT

30 minute presentation

## KEYWORDS

Industrial, Video, Camera, SCADA, Integration, Automation, Hazardous, Monitoring, Asset, Remote

## ABSTRACT

Use of video is now standard in the water and wastewater industries. Video surveillance is nothing new, however advancements in video and emerging complimentary technologies are allowing users to find new ways to utilize and enhance their overall operation. Integration of video with process control systems improves overall safety, security, and productivity. Hazardous substances including methane, hydrogen sulphide, carbon monoxide, and chlorine are found in water and wastewater systems. Locations such as pumping stations, aeration tanks, sewers, and digesters are not suitable for typical video monitoring equipment. Cameras certified for use in these hazardous allow high-risk locations to now be monitored safely. Using video to extend the reach of your vision allows for better understanding of processes, provides a safer environment for employees, and prevents catastrophic events from unfolding without your knowledge. Securing remote and unmanned sites as well as unprotected assets can now be accomplished in a cost-effective manner. Having the capability to administer multiple remote sites from a single location provides the ability to perform routine management from your desk and avoid the cost of visiting these sites. When an on-site visit is required, video increases efficiency and reduces the cost of the visit by knowing in advance why you are sending someone there and what equipment will be needed. Video also provides increased effectiveness in knowledge and resource management. Key individuals with advanced knowledge of the systems in place can virtually visit multiple locations in just a few minutes. This protects against an aging workforce and the shrinking pool of knowledge and provides for effective use of personnel. Integrated video solutions merge important data from the field in the form of visible information with available process control data. These new video technologies provide the capability to visualize remote assets and facilities in a new way.

## ABOUT THE AUTHOR

**Greg Santos** is a Business Development Manager for Industrial Video and Control. Greg has over 13 years experience in the process automation industry. He has held technical sales, business development and applications engineering roles for SCADA/HMI solutions in multiple industries.