

ELAN

Technologies

Inc.



Remote Security

Photo & Video Surveillance

CASE STUDY



- New or Retrofit
- Real-Time Video
- Still Photos
- Motion Activated
- Multiple Protocol

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Project Background

ELAN Technologies offers a number of alternatives for security based monitoring.

Applications

Security is a concern with any remote equipment. Concern increases when the equipment is process critical or its interruption or disruption can impact public welfare. Water storage, petroleum pipelines, electrical substations and sewer lift stations are all examples where video security should be considered.

Technology Improvement

Traditional SCADA systems transmit and receive digital and analog inputs and outputs (I/O) such as level, gas flow, temperature, etc. and early communication means (leased phone lines, analog radios) could hardly accept more. With increased radio performance (digital radios can exceed 100 kbps), low cost hi resolution cameras and flexible SCADA software platforms, video is now a viable input to include with other monitored parameters.

Typical- New Systems

ELAN can offer real-time, live video transmitted over high speed IP/Ethernet based radios. These systems can also include traditional I/O for display and archiving as with a traditional SCADA system. Video can be remotely triggered and/or locally triggered by motion detectors, contact switches or other means.

Typical - Existing Systems

ELAN can offer video compatible RTU's to transmit still photos. When triggered (similar to above) multiple photos are taken in succession and transmitted along with other I/O on standard licensed and unlicensed radios, this data can be incorporated into existing SCADA systems. The photo above uses this approach.

Contact ELAN Technologies

ELAN Technologies offers innovative, custom open channel flow monitoring solutions to meet any flow application and regulatory requirement. When you have a tough application, call ELAN. For information on fixed sewer flow monitoring systems, contact ELAN Technologies on the web at www.ELANTechnologies.net



Typical photo from motion-detector activation. This photo was transmitted over an existing SCADA communication system.