

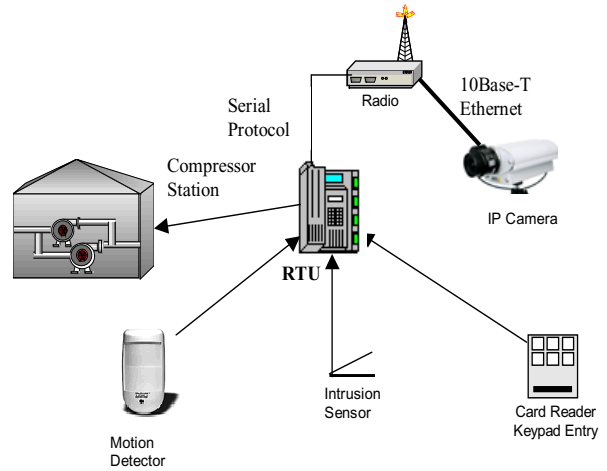
# Security via SCADA

## Features

- Asset Utilization – Implement Security Measures using the SCADA System
- Minimize Additional Spending for Security
- Security is Coordinated with Operations
- Vulnerable Areas Are Covered
- Alarm Devices are Readily Interfaced
- Process Control Capabilities can Provide Safety Measures
- SCADA Systems Inherently Include Many Safety Features

A major advantage of Emerson Process Management’s SCADA systems is that security measures are coordinated with operations. This allows centralized monitoring and control of all aspects of the system. Integrating security into the SCADA system can reduce or eliminate the need for security patrols. Security breaches are addressed locally by the intelligent RTU and also reported to operations staff in the same manner as process failures – via the SCADA alarm system. It is important for the SCADA system to provide time-stamped alarm, historical and audit storage locally at the RTU to minimize loss of data in the event of communication failure.

Many practices typical in the SCADA world are perfect for security. Back-up power, redundancy, password protection, distributed workstations and dial-out or paging capabilities make the SCADA system secure. Cyber security measures are also readily added, even to older, proprietary systems.



**Compressor Station**

SCADA systems can integrate numerous security devices including:

- Intrusion/contact sensors – hardwired or wireless
- Motion detectors
- Keyless entry devices
- Tamper sensors for windows
- Video surveillance cameras

SCADA systems also readily interface with a wide variety of process analyzers, including those used for chlorine, chromatography, conductivity, dissolved oxygen (DO) and turbidity. All information is presented in a timely manner to your operations staff.

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**Emerson Process Management  
Remote Automation Solutions**

Watertown, CT 06795 USA T 1 (860) 945-2200  
 Mississauga, ON 06795 Canada T 1 (905) 362-0880  
 Worcester WR3 8YB UK T 44 (1) 905-856950