



SCADA AND NETWORK SECURITY



SCADA Systems are **inherently risky and lack basic Security Controls**. These networks, just like any other network, are under threat from cyber-attacks that could bring down any part of the business quickly and with dire operational and financial consequences.

It is imperative that businesses and organizations implement robust security measures to protect their networks and the businesses that would be affected by disruptions caused by internal or external attacks.

1. Remote Access Policies

SCADA Systems field equipment can typically be connected to invalidated cellular networks or legacy dial-up lines or remote-access servers give attackers an easy backdoor access to the OT network as well as the corporate LAN.

2. Legacy Software

SCADA Systems run on legacy software that typically lack sufficient user and system authentication and data authenticity verification, rendering the system more vulnerable for attackers to gain access and control of the system.

X10 Technologies Solution

- Deliver SCADA connectivity for data collection anywhere on the network regardless of existing infrastructure or IP scheme. This may involve micro-segmentation with tunnelling and encryption
- Provide secure and controlled access to network resources via user access control and port security
- Simplify network deployment and management with overlay network or by utilizing existing infrastructure

3. Default Configuration

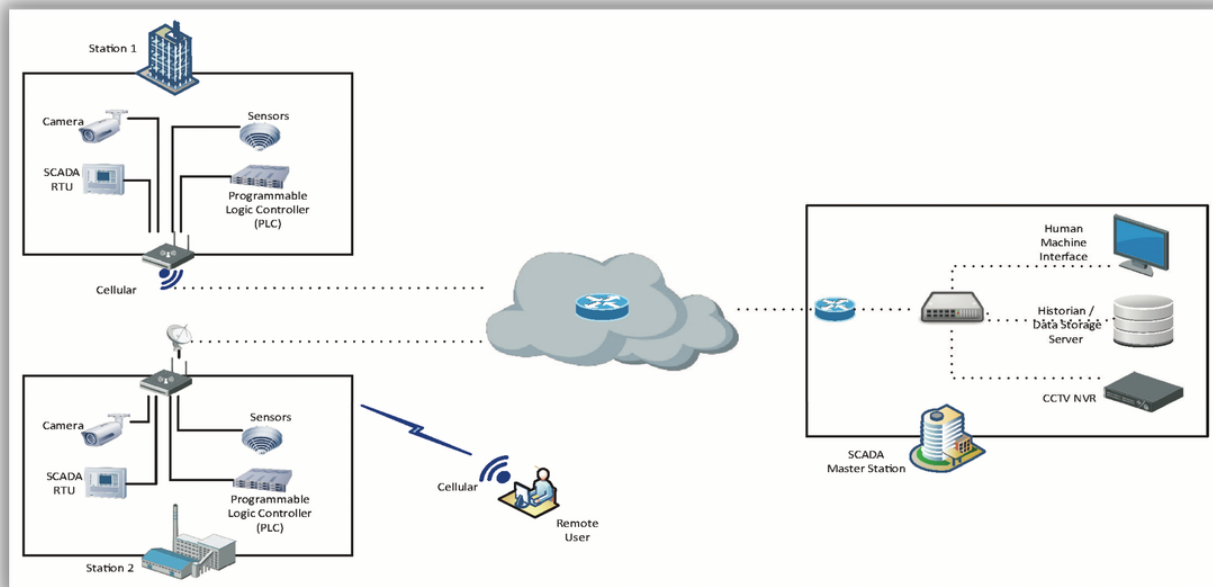
SCADA Systems comes configured with out-of-box default of simple passwords and a baseline configuration that makes it easier for attackers to quickly compromise the system.

4. Silos, Policies & Procedures

Security gaps are created when IT, Facility, and OT departments do not agree on their strategy and approach to secure industrial, building and OT networks. A unified security policy needs to be developed and adopted to protect both IT and OT.

5. DDoS Attacks

SCADA Systems inherent limited access-controls allow and lack of security allows attackers to easily execute Denial of Service attacks on vulnerable unmatched systems.



Deployment

X10 Technologies will assist adopting a purpose-built approach for ICS/SCADA deployments that's simpler and more secure. With IDN, you can deploy secure and micro-segmented networks in minutes, rather than days or weeks compared to traditional IT solutions, and even better, the cost is a fraction of those alternatives. Now you can easily connect and integrate legacy and modern systems across the LAN and WAN.

Assistance

X10 Technologies will assist its customers to eliminate the complexity, cyber attacks, and cost associated with traditional IT Solutions.

Encryption

X10 Technologies will assist in deploying the right Encryption methodologies.



TECHNOLOGIES

WE LOOK FORWARD TO WORKING
WITH YOU

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