



**X10 NETWORKS**  
YOUR NETWORK IS OUR BUSINESS



# 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.

# SCADA Top Threats & Vulnerabilities

## 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.

## 3. Default Configuration

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

## 4. Silos, Policies & Procedures

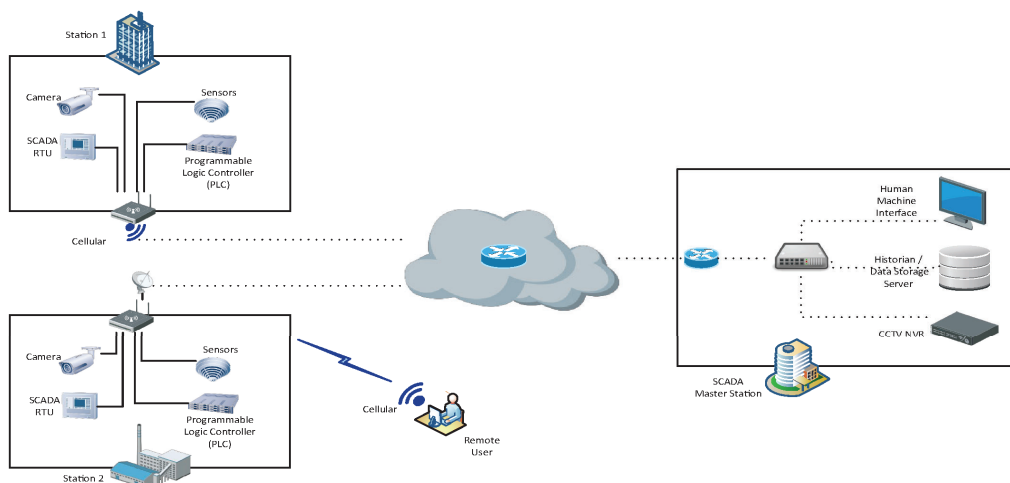
Security gaps are created when IT, Facility and OT departments do not agree on their strategy and approach to secure industrial, building and OT networks. A unified security policy needs to be developed and adopted to protect both IT and

## 5. DDoS Attacks

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

## X10 Networks 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 utilising existing infrastructure.



## Assistance

X10 Networks will assist its customers eliminates the complexity, cyber attacks, and costs associated with traditional IT solutions.

## Deployment

X10 Networks 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.

## Encryption

X10 Networks will assist in deploying the right Encryption methodologies.



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