Utility District Security

Cybersecurity Operations Infrastructure addresses network security and secure access without requiring an upgrade to your existing network.

Challenge: Securing SCADA Equipment for Water Systems

With the continued and ongoing attacks against public infrastructure, the EPA (Environmental Protection Agency) and the DoD (Department of Defense) have issued mandates to increase security for deployed SCADA control systems. The problem is that SCADA systems were never designed to be secure; they were intended to be on private networks. With the move to make these servers remotely available and their collected data available in the cloud, these systems were connected to the open Internet without any thought to their security. This has left much of the public infrastructure open to attacks such as DDoS, ransomware, and remote manipulation of systems.

Solution: Easily Enable Secure Access at Scale

Leveraging the strengths of best of breed solutions, CSOI follows defined zero-trust framework to achieve network security, mobility, and monitoring for your entire SCADA network as well as remote and cloud management systems.

CSOI delivers network security that enables secure, encrypted access to SCADA devices from your data center, cloud, and remote services based on zero-trust principles. CSOI provides simple and easy network segmentation and access to resources while ensuring compliance with current directives and/or Federal Executive Orders. With point-and-click simplicity, add or revoke access between devices on your network without the complexity of ACLs, routing rules, and firewall policies. Connect anything to anything, anywhere—securely and easily.

Ease of Deployment

Developed with bureaus and districts of all sizes in mind, CSOI offers cyber protection and security monitoring features without compromising network integrity. CSOI combines elements of SDWAN and IDN architecture to seamlessly integrate networking and security into a unified platform that is topology, protocol, and hypervisor agnostic. By leveraging advanced features in the available products, CSOI deployments can be done without long network down times and allows for a staged approach to establishing a Zero Trust network security foundation. Overall, CSOI enables situational awareness improvements by providing users with rapid data analytics to aid in understanding and managing data throughput.

Solution Benefits

- Protect legacy devices that have no upgrade path
- Support organizations existing security policies
- Easily add and remove network access
- No need to rip and replace existing network
- Cost Savings from simplifying network management
- Address NIST, EPA, DoD mandates

Cybersecurity Operations Infrastructure

Built to manage networks that span on-premise, public, and hybrid cloud environments. CSOI is a scalable, multi-use solution that creates a common secure networking architecture capable of securing a wide range of modern and legacy devices. Remote devices connect directly, or through software switches without concern for opaque and complex legacy network constraints. With the CSOI ZTA network architecture, you can reduce your attack surface by up to 90%, improving time to mitigation, recovery and quarantine by up to 25%, while decreasing failover and disaster recover to as little as one second.
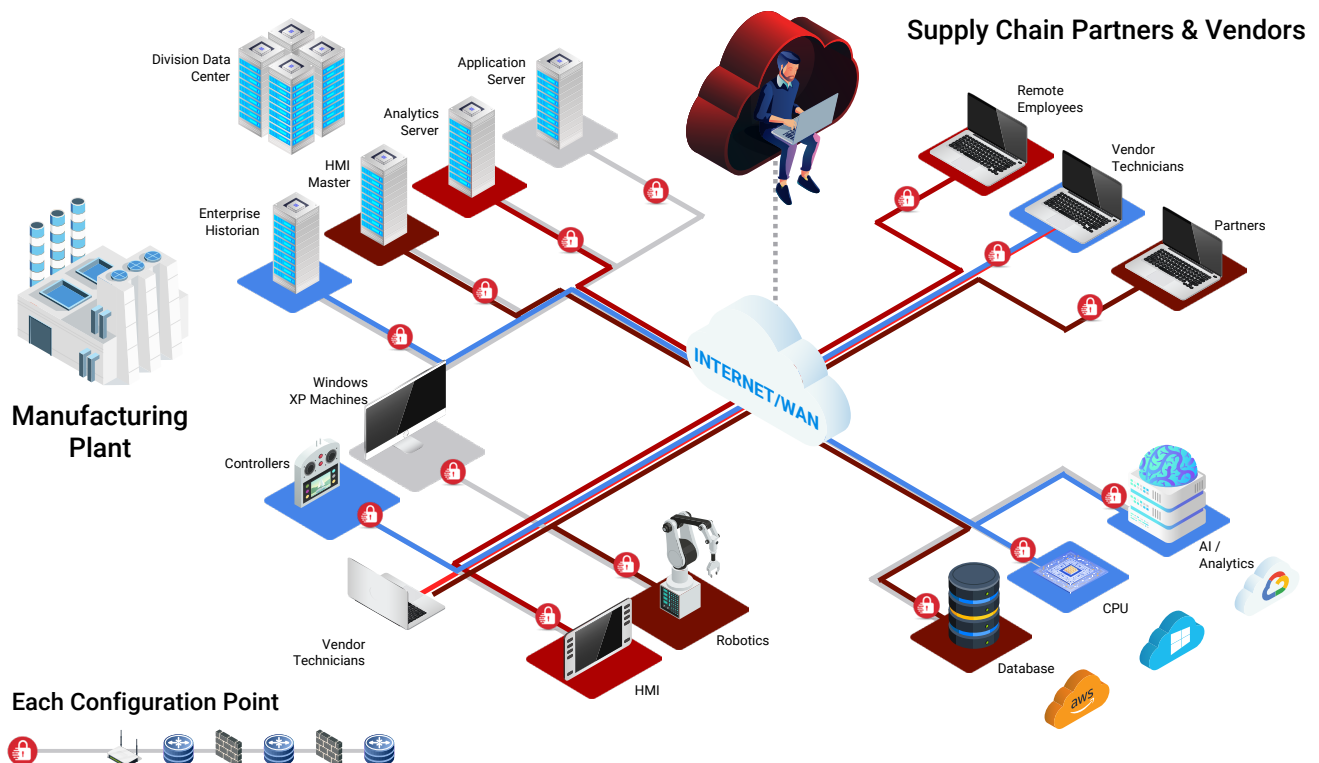
Let's Start A Conversation!

800-652-9686
CSOI@imprestechnology.com

CSOI-Utility-07112024