Energy Systems Security

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

Challenge: Securing Power Generation & Distribution

With the continued attacks against public infrastructure, it has become imperative that we secure the energy production and distribution systems we rely upon. Power generation and distribution systems were originally isolated systems, but with the move to remote management, many are connected to the Internet thus open to attack. Whether the goal is sabotage, subversion, ransom, or disruption of services, the energy network has become a prime target for attack with increased sophistication and frequency.

Solution: Enable Secure Access At Scale

CSOI leverages best of breed solutions to achieve foundational zero-trust network security, mobility, and monitoring for your entire SCADA network as well as remote and cloud management systems.

CSOI delivers zero-trust foundational network security that enables secure, encrypted access to SCADA devices from your data center, cloud, and remote services. 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 utility districts and energy providers of all sizes in mind, CSOI offers cyber protection and security monitoring features without compromising network integrity. CSOI combines elements of SD-WAN 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

- Easily add and remove network access
- No need to rip and replace existing network
- Cost savings from simplifying network management
- Protect devices that do not have support for firewalls internally
- Microsegmentation to prevent East/West movement

Cybersecurity Operations Infrastructure

Built to manage networks that span on-premise, public, and hybrid cloud environments. It 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.
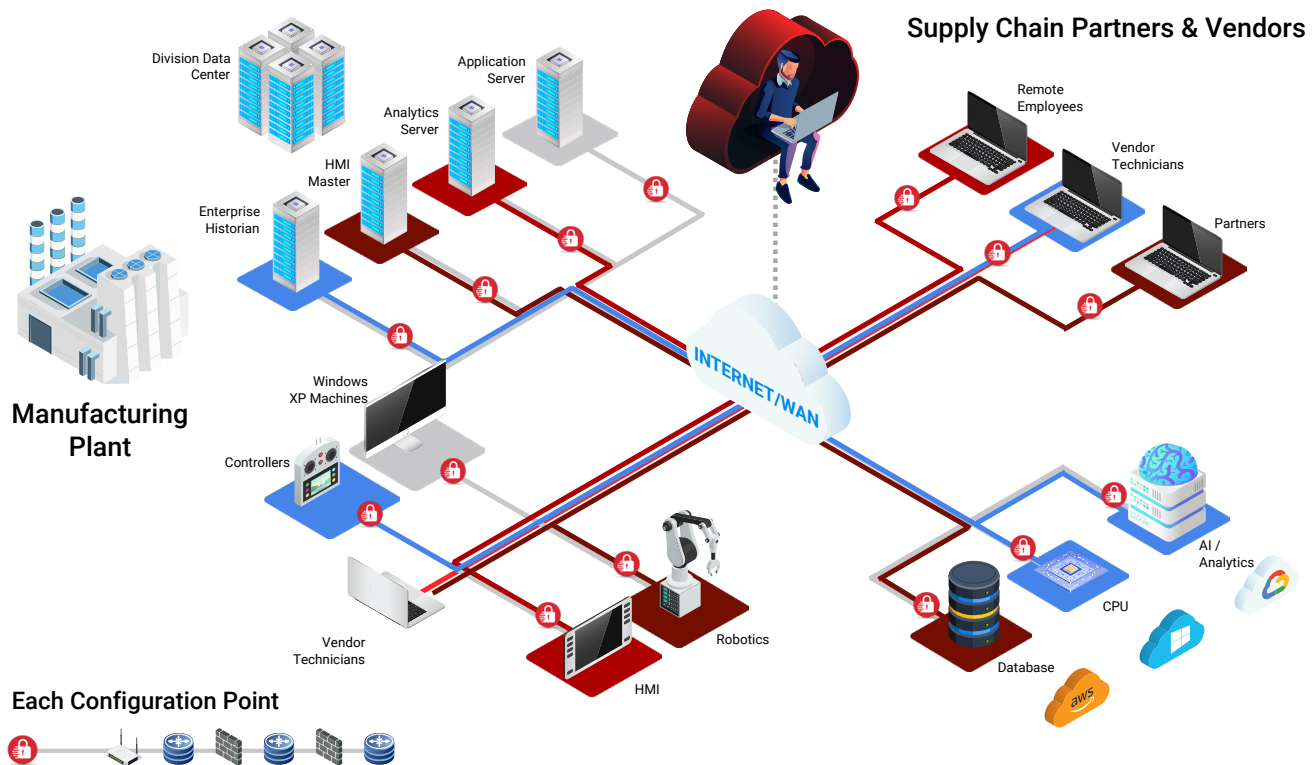
Let's Start A Conversation!

800-652-9686
CSOI@imprestechnology.com

CSOI-Energy-07112024