

Operational Technology Cybersecurity

Secure design and implementation of cybersecurity for OT systems and networks

Advancements in technology and the advent of Industry 4.0 have enabled many new ways of collecting data, creating, and sharing information, and automating processes for higher efficiencies. This ease of interaction and communication however has also left these systems

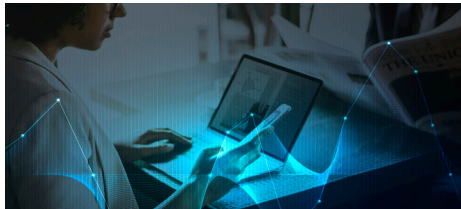
vulnerable to external tapping, alterations, and even espionage, making cybersecurity a critical need for all facilities. We at Intech help you evaluate and address these vulnerabilities, secure your OT assets, minimize the risks, and improve your overall cybersecurity posture.

OT Cybersecurity Offerings



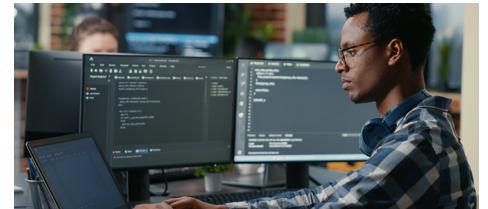
Cybersecurity Management Systems

- ▶ Risk and Change Management
- ▶ Network Security
- ▶ Backup Management
- ▶ Configuration Management



OT Cybersecurity Risk Assessment

- ▶ Gap identification and risk assessment
- ▶ Detailed self-assessment
- ▶ Recommendations for security posture
- ▶ Benchmarking against key standards



OT Network Segmentation & Design

- ▶ Segmentation based on ISA/IEC 62443
- ▶ Secure network design and review of IOT devices
- ▶ Defining the SL levels for the zones and conduits
- ▶ Engaging the DCS and SIS system specific engineers to redesign network



Network Intrusion Detection System

- ▶ Vulnerability Monitoring & Patch Management
- ▶ OT Network Intrusion Detection & Prevention
- ▶ Enterprise OT Threat Intelligence Monitoring (SIEM/SOAR) integration
- ▶ Monitoring and prevention of network attacks



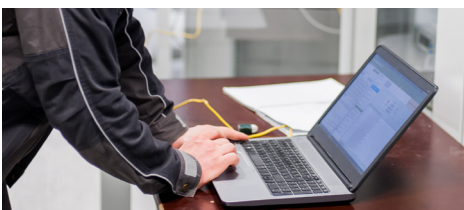
Data Diodes

- ▶ Restrict traffic to and from high security systems
- ▶ Compatible with multiple protocols
- ▶ Simultaneous transfer of multiple data types
- ▶ Real-time monitoring of critical networks



Secure Remote Access

- ▶ Granular access, authentication & audit policy for users and assets
- ▶ Manually approve remote connections
- ▶ Real time "over the shoulder" video of sessions
- ▶ Control/ terminate session on unauthorized actions



OT System and Network Hardening

- ▶ Endpoint Protection including Backup and Restore
- ▶ Network Security Management
- ▶ Identity and Access Management
- ▶ Application Control and Whitelisting

Why INTECH

We are a leading system integrator in oil & energy automation for nearly 30 years and have extensive expertise in the complete lifecycle of OT systems design, deployment, management, and upgrades.

With a global shift towards Industry 4.0, we have built our expertise in Industrial IoT and related digitalization solutions. We provide last mile coverage for IIOT Solution implementation across all automation layers and integration with business systems. Our strategic partnership network enables us to combine latest research with leading edge domain expertise. Our teams have expertise in process, functional safety, reliability, data sciences, business intelligence, software and application development, and cybersecurity.