Mission
Secure

Protect Your OT Networks with the Mission Secure Platform

The first integrated cybersecurity platform for complete visibility,segmentation, and protection of OT and ICS networks

Take control of your OT network

Securing operational technology is one of the most important—and most challenging—issues facing the world today.

The challenges are widely recognized. With increasing connectivity to IT networks and the cloud, inherently unsecure network architectures, and the proliferation of automated OT attack toolkits, our critical infrastructure's vulnerabilities are plain to see.

The path forward is not as well defined. Asset discovery and network traffic monitoring tools have been widely adopted, but the solutions have limited value—often they simply increase the demands on security and operations teams without reducing risk. Similarly, industrial firewalls provide only basic functionality while imposing a heavy administrative burden.

Mission Secure provides a stronger, safer, more sophisticated approach to OT cybersecurity.

With hardware, software, and managed services developed specifically to meet the unique needs of OT environments, Mission Secure helps customers gain unprecedented control over their devices and networks.

For the first time, operators can define what should be happening in an OT network—what connections are allowed, what types of data can be transmitted, what process values are expected—and use fine-grained, context-aware policy enforcement to detect and block unauthorized activity.

With Mission Secure, Zero Trust cybersecurity can become a reality in OT environments.

Visibility
Identify and visualize all devices and connections on your OT network

Threat Detection
Detect unauthorized and unexpected activity from signal to cloud

Policy Enforcement
Implement fine-grained rule-based control over connections and activity

Signal Validation
Monitor and validate physical process signals to prevent system damage

Asset and Traffic Visibility

Complete visibility is a must-have for OT cybersecurity.

Before you can effectively segment your network, detect unauthorized activity, or enforce access policies, you need to understand which assets are connected to your network and how they're communicating. Mission Secure provides advanced asset discovery, network discovery, and network visualization tools to give you the insights you need.
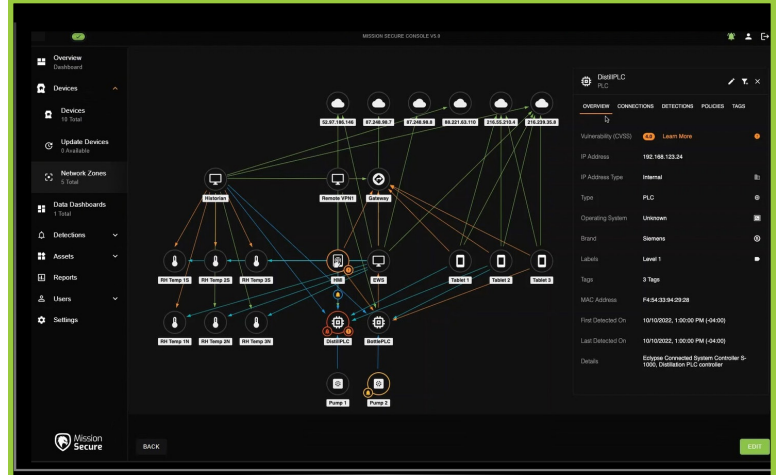
Advanced OT Network Visualization

Mission Secure's OT network visualization tools give you a complete view of your assets' activity, health, and security posture. Examine asset properties, network connections, alerts and warnings, and historical trends, all from a single, configurable overview.

Targeted Asset Scanning

Purely passive monitoring and discovery tools can leave hundreds or thousands of OT assets unaccounted for. Mission Secure's active asset scanning capabilities enable you to find every device in your environment, even those that aren't communicating on the network. Scans can be targeted to specific network zones or locations to prevent network disruption.
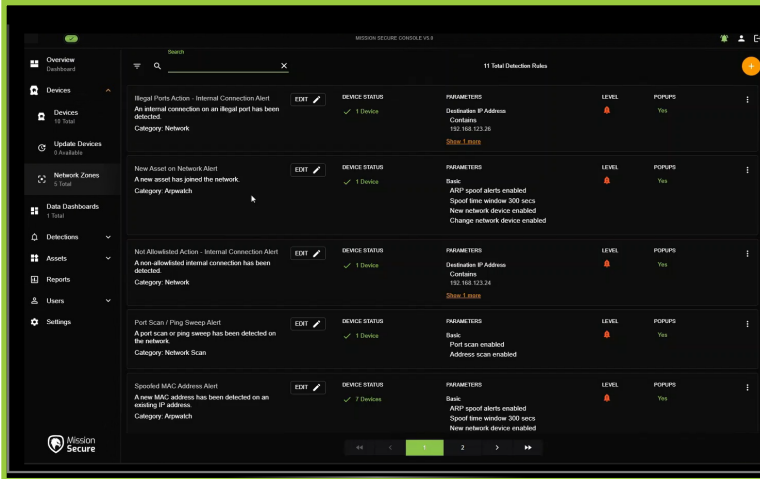
Asset Security Posture

Dozens of variables factor in to the level of risk facing your OT assets. Mission Secure provides a detailed, organized view of each asset's security posture, including key indicators such as firmware versions, patch status, CVSS scoring, inbound and outbound connections, and applicable policies.

Anomaly and Threat Detection

Trouble in the OT network can manifest itself in many forms. Connections between devices that have never communicated before, the use of an unexpected protocol, an increase in traffic to or from a device, or a change in a Level 0 process variable can all indicate the presence of a system fault or a cyber attack.

Mission Secure's OT-native anomaly and threat detection capabilities can give you a head start on isolating and remediating potential problems.

Advanced, Customizable Alerts

With Mission Secure's OT-specific monitoring and detection capabilities, you can tailor your alerts to fit your environment and your security posture. Detection rules can be configured in seconds and deployed across the entire network or in specific network zones or locations.

Identify New Devices as Soon as They Appear

A new device communicating on the network is one of the most common and most urgent security issues in an OT environment. Mission Secure's technology monitors network traffic at all times to ensure the swiftest possible response to an unexpected asset on the network.

Level 0 Monitoring and Anomaly Detection

No other OT security platform offers Mission Secure's patented Level 0 signal monitoring and validation capabilities. Without disrupting operations, Mission Secure's technology can monitor signals generated by Level 0 devices and generate alerts based on unusual values or unexpected behavior.

Segmentation and Policy Enforcement

At the core of the Mission Secure platform is a fine-grained policy engine that enables highly sophisticated, OT-specific workflows, allowing organizations to take unprecedented control over their OT environments.

With Mission Secure, it becomes possible to move beyond passive visibility and alerting into true Zero Trust security, with active controls based on a continuously updated picture of the OT network.
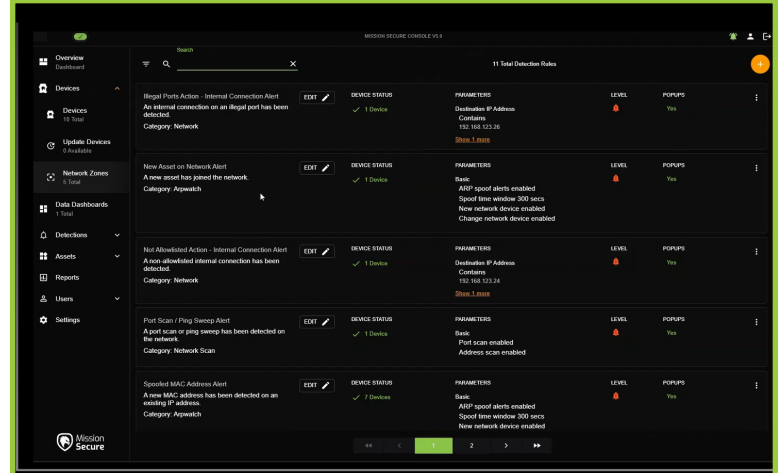
Segment Your Environment Without Rearchitecting the Network

Segmentation is often the first step in OT policy enforcement. Deploy Mission Secure's platform as an overlay to your existing OT network, and minimize the damage from a potential attack by implementing network segments to limit east-west and north-south activity.

Limit Traffic to "Known Good" Assets and Connections

Create and enforce rules to stop threats before they have a chance to cause damage. Define the conditions that must be met before devices are allowed to connect, and create guardrails to ensure network traffic fits what your organization expects and allows.

Create Rules Based on the Variables that Matter to You

Mission Secure puts the power in your hands by letting you create OT network rules based on the attributes and conditions that matter in your environment. Define policies based on asset firmware, patch status, vulnerability scores, protocols in use, user roles, or time of day, just to name a few.

Level 0 Signal Validation

Assets at Level 0 of the industrial network are where value is created, and the signals they generate are the vital indicators of a facility's safety and productivity.

Mission Secure's unique signal validation technology provides tamper-proof, last-line-of-defense cybersecurity for these critical assets, which are often the least secure, most trusting devices in the entire OT environment.

Monitor and Validate Your Level 0 Signal Values

Mission Secure's Level 0 Sentinel technology monitors the digital or analog signal produced by cyber-physical devices and compares the signal value to the values reported by Level PLCs or other higher-level assets. Variations between actual and reported values can trigger alerts or automated remediation.

Defend Against Sophisticated Cyber Attacks

The threat of Level 0 signal spoofing is not theoretical. Successful attacks have taken place using coordinated manipulation of Level 0 devices, their Level 1 controllers, and the safety systems tasked with preventing physical damage. Mission Secure provides an additional layer of protection by detecting anomalies in Level 0 and 1 outputs.

Create Micro-Security Zones Around Critical Processes

Virtually segment individual processes and implement a zero-trust security model where it matters most in your operations. Mission Secure's patented technology provides continuous monitoring, threat detection, and protection for critical assets.

Visibility and Control from Signal to Cloud

Mission Secure delivers the only OT cybersecurity platform that enables complete control over your environment, including visibility, anomaly and threat detection, policy enforcement, and Level 0 signal validation.
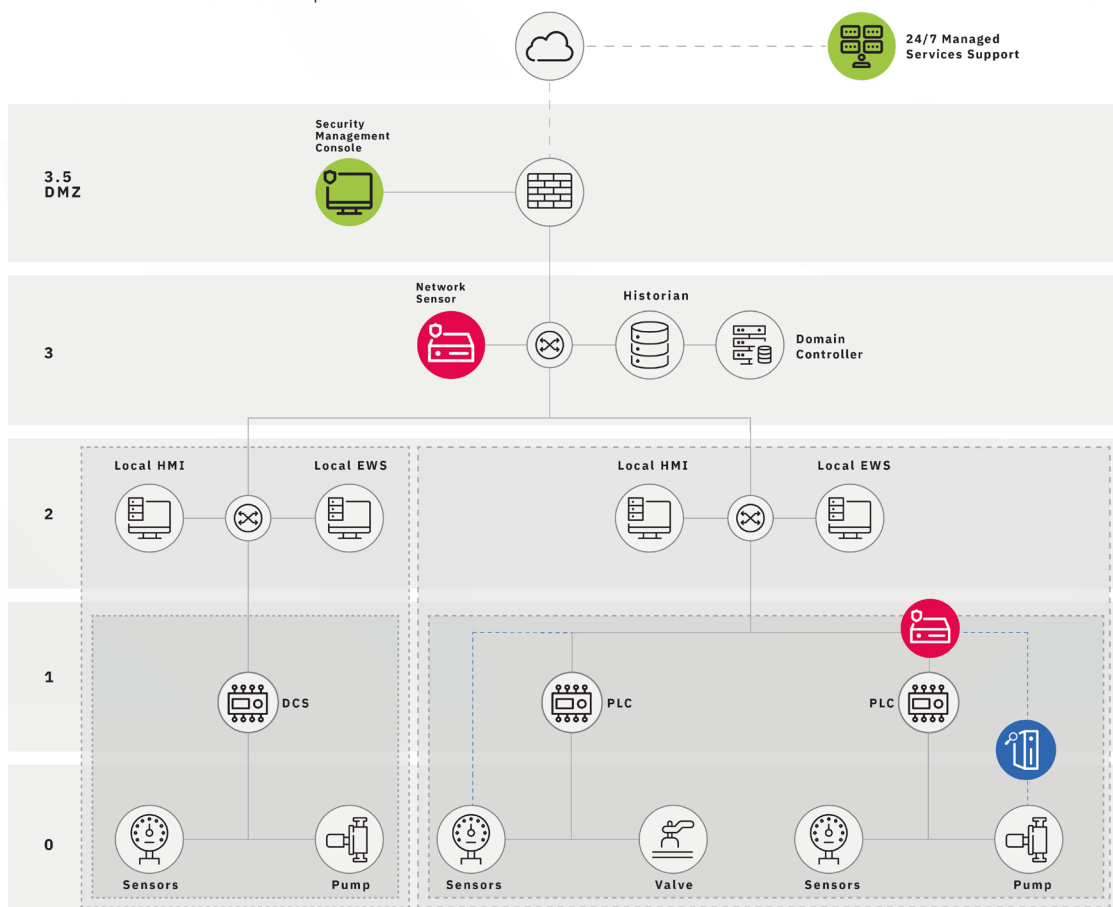
Security Management Console

Mission Secure's management console provides real-time visibility into connected assets and network activity, along with an intuitive interface for configuring alerts and policies.

24/7 Managed Services

Mission Secure's team of OT cybersecurity experts provide round-the-clock monitoring and threat response.

Network Sensor

Mission Secure's OT network sensors can be deployed throughout the OT network, as either passive monitoring stations or inline policy enforcement points.

Signal Integrity Sensor

Mission Secure's patented signal integrity validation technology monitors analog and digital signals at network levels 0 and 1 to detect changes that may indicate a fault or compromise.

Mission Secure

OT Native Zero Trust Security

Mission Secure delivers a complete OT cybersecurity platform, protecting critical assets from human error, insider threats, and external attacks. Built to address the unique needs of OT environments, Mission Secure's technology and managed services provide asset visibility, threat detection, and policy enforcement without impacting operations.