Shambliss Guardian

Protecting your critical infrastructure:

SOLUTIONS HIGHLIGHTS

- Security Advisory and Assessment
- Security Strategy and Roadmap
- Traffic analysis and segmentation
- Asset Identification and Management
- Implementation and Transition
- Monitoring and Management
- Preparation of Due Diligence and Compliance Responses
- Security Posture Validation
- Governance, Risk Management and Compliance (GRC)

Service Overview

Shambliss Guardian provides comprehensive factory security solutions that converge factory 4.0 IT and OT systems and processes to deliver secure by design and managed security outcomes.

What Is Operational Technology (OT)? OT is a term used to differentiate devices, controllers, robotics, and other factory floor equipment from "IT" laptops, printers, and office network devices. Cyber attacks on OT are increasing because they were built and deployed before current attack techniques even existed. Factory ransomware is also on the rise. Attacks lead to lost production, demands for ransom payments, damaged reputation, and most critically, human safety events.

Manufacturing has specific requirements for the prioritization of safety, production, and then security. The lifespan of factory automation devices can be measured in decades, and these devices therefore outlive the security measures that were designed at the time of implementation. These protections have since become out of date and ineffective. Adding security software to production OT equipment can be tricky for those familiar only with IT environments. Shambliss Guardian partners with clients, security vendors, and the cybersecurity insurance industry to design, implement and operate an effective OT strategy.

Today, factory clients, supply chain partners, and banking and insurance companies frequently request information about manufacturers' security posture. The Shambliss Guardian approach empowers you to be prepared for these types of audits and requests for information.

Why Shambliss Guardian

Decades of experience in the IT/OT and cybersecurity industry allows us to bring expertise with proven methodologies to assess and design a unique solution for industrial businesses. Our methodology integrates OT equipment, networks, firewalls, operational processes, and 24x7x365 security monitoring and management. Let us work with you to assess, design, implement, and manage a unique security solution for your firm.

Security Advisory and Assessment

Shambliss Guardian starts by collaborating with the business, network, security, and plant floor teams to determine the current state of security. The assessment presents a high-level view of security solutions, processes, documentation, and monitoring. The business drivers, factory floor production, and communication needs will be incorporated into the definition of requirements. The advisory team will present business, operational, and cybersecurity current state and a recommendation for the outcomes required to meet governmental, compliance, and insurance requirements.

Security Strategy and Roadmap

Shambliss Guardian will work with you to align the initiatives to the desired outcomes. The strategy and roadmap will take a deeper dive into the current state of security. The roadmap is a detailed plan for the resolution of security gaps. It is critical that the roadmap be aligned with the prioritization, budget, and implementation timelines available in the factory. We work closely with you to ensure recommendations are actually implemented.

Implementation and Transition

We coordinate with you to define project responsibilities for the factory team and any required vendors. Installation and configuration of security solutions can take place without impacting production. The Shambliss Guardian team has decades of experience with strategic migration projects. We understand that uninterrupted operation of factory production is critical. Proper planning, expertise, pre-arranged vendor support, and post implementation support are all accounted for prior to the transition. We also recommend limiting the number of transition changes to minimize the complexity of troubleshooting.

Monitoring and Management

Security solutions are not like network equipment in a static environment. Security firewalls, configurations, and versions are constantly updated. They are your first line of defense, and it is best to keep them healthy and at current versions and patch levels. Cyber criminals do not rest when your team goes home for the night. Ransomware is a 24x7x365 operation. It is highly recommended that you have the same coverage watching and responding to attacks and breaches. You may already be running multiple shifts in the factory and know the difficulty of staffing evening and night shifts. Staffing cybersecurity professionals has similar struggles, compounded by a lack of available and qualified candidates. The cost of a monitoring service is considerably lower than the investment in equipment, software, and staffing for your own security operations center. Monitoring services include industry standards-based operations and processes. Documented processes and responses are part of what clients, partners and insurers are looking for in a good cybersecurity posture.

Operational Technology Success Story

A global automotive parts manufacturer was required to assess, size, procure, implement and transition to a Managed Security Service Provider (MSSP) for over 100 sites globally. We translated their global security requirements into an approved and operationally cost-effective solution. We implemented and documentation of the network and security configurations, traffic analysis, firewall sizing, and recommendations for factory segmentation. Scheduled implementation planning during downtime and maintenance windows. We managed the project with globally consistent configurations, cut over and back out planning for the firewall implementation and the monitoring and management solution and successfully implemented and manage 100 sites without disrupting production.

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About Shambliss Guardian

Shambliss Guardian is a provider of cybersecurity solutions. We offer a complete portfolio of strategic services to help clients define their security programs, identify risks, deploy the right technologies and ensure operational readiness to prevent and remediate threats and breaches.

Our extensive hands-on experience enables us to create a comprehensive set of security solutions that target the most pressing information security issues such as Security Assessments, Incident Response, Penetration Testing, and Security Awareness and Tabletop Exercises.