Solution Brief

Building OT Security on a Strong Visibility Foundation

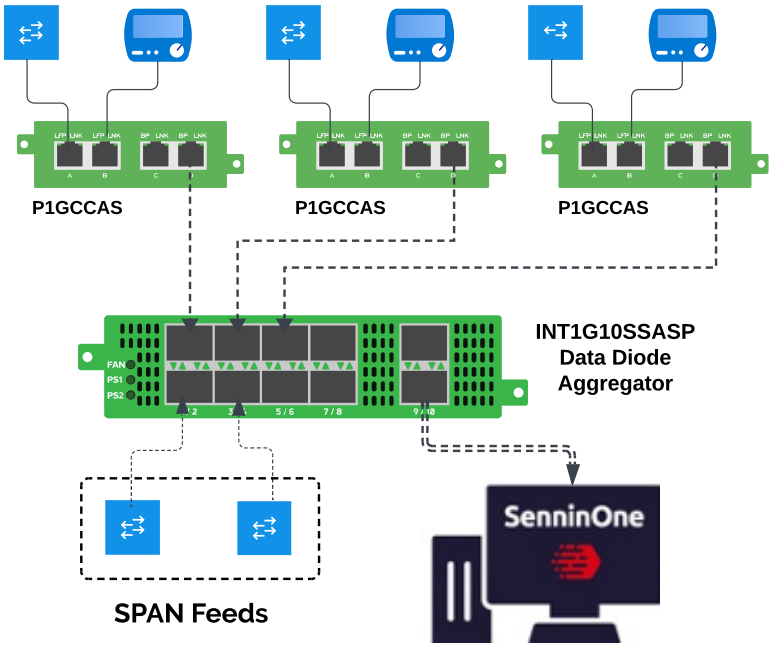
A joint solution from Garland Technology and TXOne Networks

Organizations commonly struggle with protecting their OT/ICS networks with the same level of security as their IT networks. While there are clear differences between the two that make implementing a security program challenging, such as a reliance on legacy and outdated equipment, cybersecurity incidents continue to rise, and organizations can no longer put off implementing an OT security program. The basis of that security program needs to start with complete visibility of all OT assets within the environment. Without complete and accurate visibility, OT assets can quickly become the entry point for cyberattacks leading to operational disruption, potential safety risks and regulatory issues.

Garland Technology and TXOne have teamed up to provide a comprehensive visibility solution designed to make it easy for customers to get started on their path towards OT security today.

HOW IT WORKS

1. Garland Technology Network TAPs are deployed at critical links throughout the OT/ICS network, replacing the reliance on SPAN ports for network traffic access.
2. Deployed passively, the Network TAPs provide 100% packet level data for stronger OT security.
3. The native data diode functionality of Garland TAPs provides guaranteed one-way traffic flow, ensuring zero packet injection back into the production network.
4. The tapped traffic is sent directly to the TXOne SenninRecon sensor for passive OT asset discovery, collecting information such as OS version and installed applications, threat detection and event visibility, as well as collecting OT network observations for further analysis.
5. Within the SenninOne Governance platform, TXOne can take further actions on the asset information to provide an asset-centric security assessment and risk-based vulnerability management plan.



Key Problems Solved

- Limited visibility due to unavailable SPAN ports common in legacy OT environments.
- Unidirectional traffic requirements.
- NERC CIP 015 compliance.
- Breaking down information silos: one-stop view of overall OT defense posture.

Customer Benefits

- 100% packet visibility across OT environment.
- Increase East-West visibility to eliminate blind spots.
- Simple, easy to deploy and gain real insight into OT vulnerabilities.
- SenninOne builds phased plans by asset criticality, with AI tailoring available for the customer environment.
- Convert findings into an executable plan and OT-safe actions to reduce risk.
- Integrated visibility across TXOne Stellar, Edge, and Element leads to protection.

About TXOne Networks

TXOne Networks offers cybersecurity solutions that ensure the reliability and safety of ICS and OT environments through the OT zero trust methodology. TXOne Networks aims to protect Cyber-Physical Systems by comprehending their operation and contextualizing them with security measures. We propose a framework to safeguard critical assets throughout their entire life cycle. To learn more, visit www.txone.com.

About Garland Technology

Garland Technology is an industry leader of IT and OT network solutions for enterprise, critical infrastructures, and government agencies worldwide. Since 2011, Garland Technology has been engineering and manufacturing simple, reliable, and affordable Network TAPs and Network Packet Brokers in Richardson, TX. For help identifying the right IT/OT network visibility solutions for projects large and small, or to learn more about the inventor of the first bypass technology, visit GarlandTechnology.com.

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