

Secure and Manage Industrial Networks

A joint solution from Garland Technology and Radiflow providing full visibility into OT networks

Modern manufacturing, logistics, transportation, and other critical industries increasingly rely on automation to help drive down costs and increase efficiency. With the rise of Industry 4.0 and widespread implementation of IIoT-based automation, organizations are suddenly faced with unique security posture challenges. Today's automation systems host an array of vendors and legacy (and often outdated) assets. Applications and corporate IT systems must be accessed by 3rd party integrators and consultants greatly increasing the attack surface. You can easily see why exposure to cyber threats, through malicious activity and human error, continue to increase. Organizations must now find creative ways to stay ahead of the hackers and that starts with improving visibility across ICS environments.

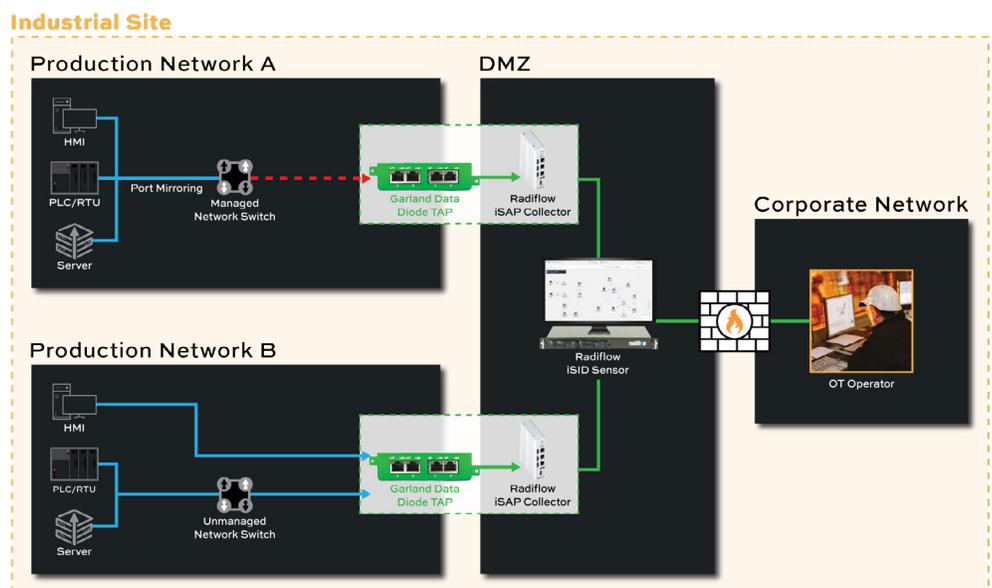
It only makes sense for Garland Technology to team up with Radiflow to share capabilities and expertise in OT networks, working together to help organizations secure their critical assets. Garland Technology and Radiflow each offer cost-effective, scalable solutions designed to meet the unique needs of critical infrastructure and industrial networks. Teaming up multiplies the benefits to OT customers.

The initial stage in securing industrial operations involves mapping the OT network, including network topology, modern and legacy assets, devices, ports, and all connections. The result is a virtual model of the complete system, down-drillable to each device. To ensure that Radiflow's iSID Industrial Threat Detection system has complete visibility and access to network traffic, Garland Technology Network TAPs are deployed as the access method for network traffic at each critical point of interest in the network. Once network visibility is established, iSID can begin to protect against cyber attacks, enforce policies, provide anomaly detection, monitor operational behavior, and perform maintenance management.

Single Site Deployment

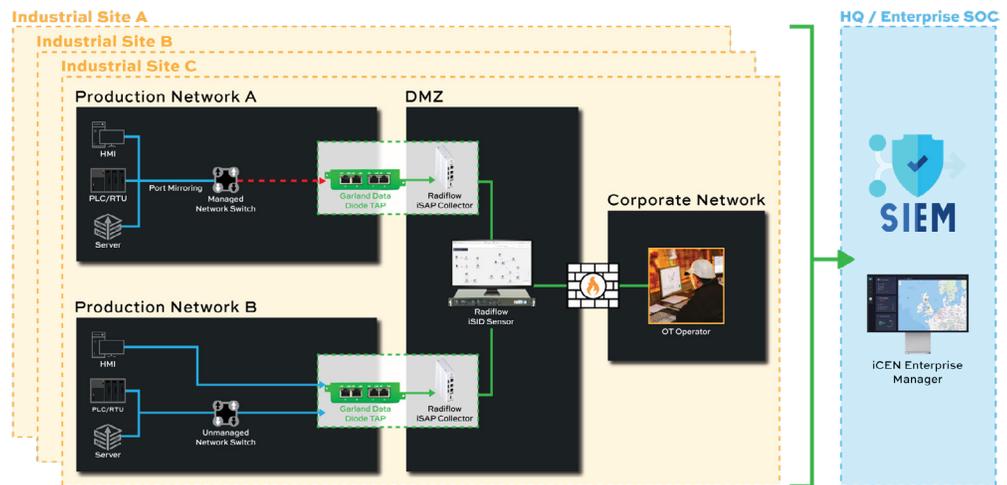
The Garland Network TAP allows for up to 4 links to be tapped and aggregated together to feed the iSID Threat Detection Server in an out-of-band, passive deployment. By using a TAP instead of configuring a mirror port on a Switch, if one is even available, customers will be able to guarantee that 100% of the network packets are delivered to iSID for analysis, while providing unidirectional traffic via the built-in data diode functionality of the TAP.

The Radiflow iSAP Smart Collector is a cost effective, distributed solution that offers a network-wide view of all connected devices and all network traffic for threat detection at a central site. Installed at each remote site, iSAP receives all LAN traffic from the Garland Network TAP and filters out much of the irrelevant traffic data, leaving intact the SCADA traffic. Each iSAP securely connects to a centrally located iSID Threat Detection server, where corporate-wide network and device activity is analyzed.



Multisite Deployment

Radiflow iCEN simplifies and streamlines the monitoring and management of multiple instances of the Radiflow iSID Industrial Threat Detection System. From a single iCEN, users are able to observe the status and activities of all iSID instances across the organization, obtaining a unified view of each site's OT assets with easy drill-down to detailed information. iCEN also enables single-click provisioning of up-to-date cyberattack detection signatures and user-defined rules to multiple iSIDs, enabling improved response time and detection of new threats across the organization.



JOINT SOLUTION BENEFITS

- Automatic learning of topology and operational behavior
- Flexible deployment models
- Non-intrusive network operation
- Guarantee 100% full duplex network traffic with no packet loss
- Low false-alert rate
- Unidirectional transmission of network traffic
- Products engineered for extreme OT environments including heat and vibration, wired DC power is also available
- Maintenance of network integrity for industrial network monitoring without exposing additional risk

About Radiflow

Radiflow is an OT Cyber Security company that develops unique tools and solutions that secure digital assets and networks. The company works directly with Managed Security Service Providers to oversee the discovery and management of all relevant data security points. Founded in 2009, Radiflow has offices and partners in Europe, USA and APAC. It's field-proven solutions are installed in over 8,000 sites around the globe. For more info: radiflow.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, Texas. 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.



Have Questions?

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GarlandTechnology.com/radiflow



See every bit, byte, and packet®