



Water Treatment providers dealing with disparate facilities need to ensure that their operational technology (OT) Intrusion Detection System (IDS) Platforms have a full picture into what’s happening in their OT environment. A regional water treatment provider was looking for a simple, scalable, and easy to deploy visibility platform so that no matter where their technicians are deployed in the field, they can get access to the network traffic quickly for analysis and troubleshooting.

Challenge

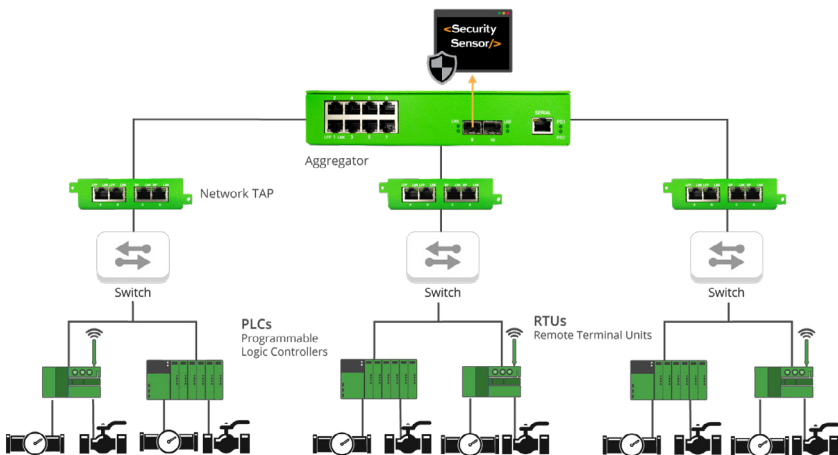
Water treatment facilities deploying an OT IDS sensor that analyzes the traffic to create a network map and identify vulnerable devices, cyber threats, and operational anomalies on the OT network is prohibited from connecting the sensor using SPAN mirroring to access out-of-band packets. The sensor needs to ingest multiple links across the environment but investing in multiple sensors at each location is not feasible due to budget constraints.

The TAP to Tool™ Solution

1. Garland Technology proposed a scalable solution of Copper Network TAPs and a small footprint Aggregator for each facility.
2. By standardizing on a product subset and adjusting the quantity of TAPs and Aggregator(s) needed based on the size of each facility, the customer was able to quickly train technicians on installation and service of the Garland Technology solution.
3. With the TAPs and Aggregator(s) in place, the customer was then able to ensure the sensor receives 100% of the network traffic, getting a true picture of what’s going on in each facility down to the asset layer, better positioning them to protect critical infrastructure from potential security breaches.

Benefits

- Sensors see 100% of desired network packets
- Invisible to hackers due to no IP or MAC address
- Built-in data diode functionality ensuring that there is unidirectional traffic flow
- Maximize investment in a single sensor at each location
- Designed for unique OT environments



Have Questions?

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