



# Securing Legacy Utility Substations with Garland Technology and Radiflow

## Challenge

OT networks, especially in utility substations, are often comprised of outdated, legacy equipment. This reliance on legacy equipment comes from the focus on production uptime. It's extremely hard to take a substation offline for network and security updates, so over the years the 'if it's not broken, don't fix it' attitude has taken hold. Unfortunately, with cybercriminals targeting critical infrastructure environments, utilities must now find a way to add security solutions, like OT risk and anomaly detection, across their OT networks. But with unmanaged switches and other legacy devices in place, deploying such solutions can be very difficult, if not impossible.

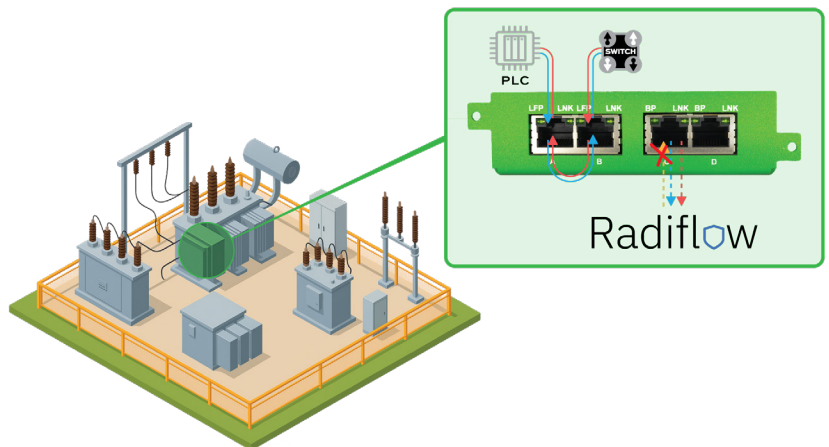
## The TAP to Tool™ Solution

Garland Technology's Network TAPs are purpose-built hardware devices, designed to reliably deliver network traffic to OT security monitoring tools. When unmanaged switches are present, using a Network TAP is the best way to gain access to the OT network traffic in each substation. This traffic is then forwarded to Radiflow sensors for risk-driven OT anomaly detection and threat management. Together, Garland's dependable hardware and Radiflow's advanced monitoring create a cohesive security solution that protects utility substations.

1. A single Portable Copper Aggregator TAP will be deployed at each substation, making a complete copy of the traffic from the unmanaged switch.
2. Radiflow sensor analyze the full traffic feed in real time, applying risk-driven anomaly detection to generate prioritized alerts and manage OT threats effectively.

## Benefits

- Built-in unidirectional data diode functionality secures traffic capture and enables integrated security monitoring
- Easy to deploy at scale across geographically dispersed substations
- TAPs are invisible to adversaries due to no IP or MAC Address
- Remains operational during power loss, ensuring continuous protection



Radiflow

Radiflow is a global leader in Cyber-Physical Systems (CPS) security for critical infrastructure and industrial automation. Our deep industrial cyber expertise empowers operators to continuously safeguard their operations, manage risk, optimize security budgets, and comply with regulations and best practices. Radiflow's CPS solutions protect over 8,000 sites worldwide, supported by offices and partners in Europe, APAC, and North America. Part of the Sabanci Group, Radiflow serves key sectors including financial services, energy, cement, and retail. Learn more at [www.radiflow.com](http://www.radiflow.com).



**Have Questions?**

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