

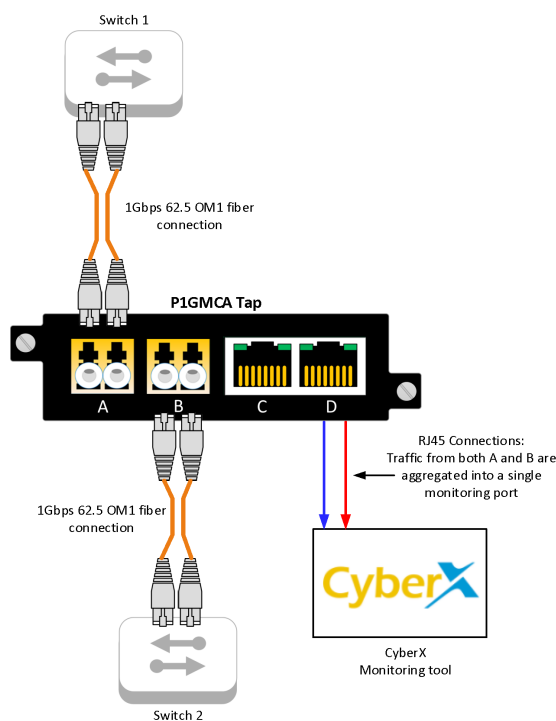
Security: Industrial / Utilities

Mitigating Critical Infrastructure Risk on Legacy Connections By Providing Network Visibility Through Media Conversion

A cyberattack in the energy sector is possibly the most devastating scenario of all industrial cyber threats. A leading US utility company, one of the nation's largest producers and transporters of energy, with large electric generation and one of the largest natural gas storage systems, needed to deploy and manage a security platform to enable faster detection and response to ICS/SCADA* risk.

Pain point: Bridge legacy 1Gbps OM1 fiber connections to the 1Gbps copper links of the security platform, without having to upgrade existing connections.

Goal: Reduce critical infrastructure risk with zero impact to operations by achieving 100% network visibility.



Value:

- Collect traffic from two sources and output it on a single 1 Gbps link.
- Additional monitoring port for future expansion.
- Save budget on infrastructure and cabling upgrades.
- Unlike common media converters:
 - Failsafe technology recognizes power outages and automatically reconnects the link.
 - Provides complete raw packets.

Solution: This utility company accomplished this with Garland Technology's 1G AggregatorTAP: Fiber, which features aggregation, regeneration and breakout TAP capabilities. The TAP will collect the data in both directions between the switches and send it out a single monitoring port to feed the CyberX monitoring software, one of the most widely-deployed ICS, SCADA & OT security platforms for effective industrial cybersecurity.

CyberX delivers the only IIoT & ICS cybersecurity platform with a track record defending critical national infrastructure — and the only platform with patented ICS-aware threat analytics and machine learning, enabling faster detection and response to ICS/SCADA risks.

*Supervisory Control and Data Acquisition (SCADA) is a subset of Industrial Control Systems (ICS).

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