Solution Brief

GARLAND TECHNOLOGY
See every bit, byte, and packet®

+ LECS®

Complete OT Visibility in Minutes.

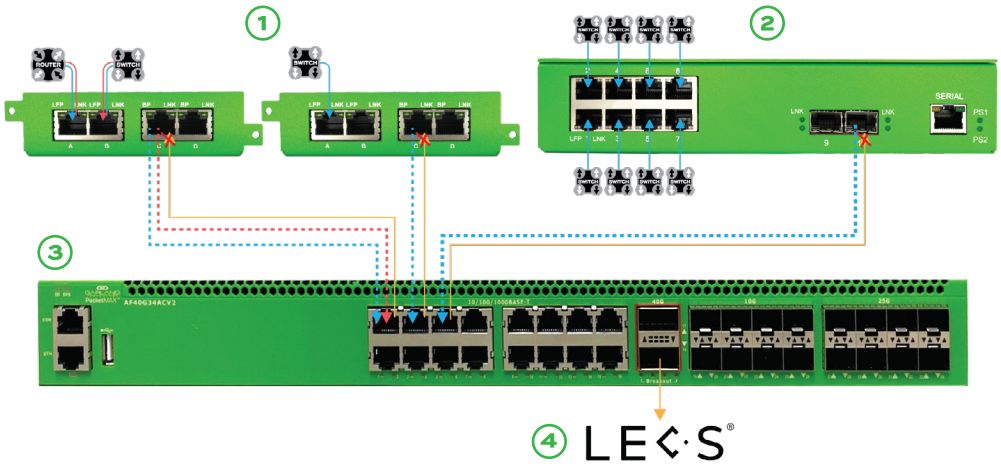
A joint solution from Cyber Evolution and Garland Technology.

As the IT/OT convergence continues, the lack of security built into the design of OT and IoT networks is becoming evident. Organizations often struggle to manage OT networks using traditional IT security methods, leading to overall poor visibility, vulnerabilities going undetected, and a low ROI on security investments. Cyber Evolution knew there is a better way to solve for OT security, thus the development of LECS. LECS is the world's first plug-and-play cybersecurity BlackBox. Operating in stealth mode, LECS helps to protect OT networks beyond the firewall by providing a 360° analysis of all individual connections.

But LECS is only as effective as the network traffic that it sees. Garland Technology's Network TAPs, Network Packet Brokers, and Hardware Data Diodes ensure that LECS can be deployed in any network environment, while providing an uncompromised view of 100% of the network traffic for monitoring and analysis.

How It Works

1. Within the OT network, Garland Technology's portable Network TAPs are deployed at key points within the network to provide access to the network traffic where there are unmanaged switches. The Network TAP provides complete packet level visibility to all of the traffic traversing the switch.
2. Portable Hardware Data Diodes are also used at other points within the environment where the SPAN port will be used as the access method, providing additional levels of security due to the unidirectional traffic guarantees ensured by the data diode.
3. Both the tapped traffic and the SPAN feeds are then sent to a Network Packet Broker to collect the traffic and aggregative, filter and load balance to a LECS appliance.
4. With no configuration required, LECS can be deployed out-of-the box, to analyze the network traffic, detecting morphological and entropic anomalies using the triangulation of AI Analysis, Static and Heuristic engines. With its adaptive procedural responses, LECS can respond to threats instantly in an appropriate manner for the type and severity of the threat.



Benefits

- Quick, easy to deploy solution. Get started in as little as 10 minutes.
- Simplified control and visualization.
- Passive deployment, running 24/7 network monitoring.
- 100% packet level visibility.
- Advanced multi-tenant control for IT/OT manager.
- Purpose-built hardware designed for extreme OT environments.
- Up to 30 days of log retention.
- Secure and invisible to hackers since Network TAPs and Hardware Data Diodes have no IP or MAC address.

About Cyber Evolution

Today, in many business environments it is difficult to implement complex cyber security solutions and ecosystems especially to manage without specific know-how.

This is why simplifying the approach to cyber security allows companies and professionals to protect their infrastructure.

Our ethical mission therefore encompasses the deployment of scalable security solutions for all.

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.

Have Questions?
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