SIEMENS energy

Vulnerability Management

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The threat landscape for critical energy assets is evolving…

The severity and frequency of cybersecurity attacks in the energy sector are increasing as cyber criminals, terrorist organizations, and nation state actors become more sophisticated.

These threats are moving beyond information technology (IT) and are now directly targeting critical operational technology (OT) infrastructure. Couple this trend with increased investment in digital solutions, and threat actors are presented with an expanding surface area for executing attacks, leaving many organizations even more vulnerable.

Energy companies increasingly recognize that their likelihood of being attacked is nearly 100%, and that they must strengthen their agility and resiliency so they can respond when - not if - they are attacked.

Attacks targeting OT are particularly important to thwart because they have the potential to threaten uptime and availability, the health and safety of staff and customers, and brand reputation.

The four most pressing challenges in securing the OT environment…

1. Visibility
Gaining visibility for OT environments is more complex and requires domain expertise to avoid operational impact

2.Resource constraints
Limited access to or availability of trained OT resources to install, configure, and manage cybersecurity solutions

3. Lack of context around vulnerabilities
Event identification without contextualization and prioritization leads to alert fatigue and distracts from critical operations

4. Increasing connectivity
Digitalization may help asset performance, but it exponentially increases the surface area through which threat actors can execute cyberattacks

Siemens Energy Vulnerability Management powered by Tenable.ot gives infrastructure operators a critical advantage against cyber attackers

Siemens Energy has combined our expertise in OT cybersecurity and industrial control systems with industry leading technology from Tenable.ot to create a complete Vulnerability Management solution that can help your organization gain the visibility, context, and knowledge needed to defend its OT environment. Rather than just provide a tool, Siemens Energy partners with each of our customers to provide Precision Defense™ to generate deep insights and unparalleled situational awareness without impacting operations. Our tailored approach leverages the expertise of our global team of OT Cybersecurity Analysts to aid the development of targeted mitigation and remediation actions to secure assets and networks.

Unlike traditional IT solution providers, Siemens Energy understands the complex differences between IT and OT environments, allowing us to offer a solution that safely provides the desired visibility through:

- **Passive Vulnerability Discovery** to identify vulnerabilities continuously without impact to the network
- **Passive Asset Inventory** to identify assets and build and maintain an asset inventory
- **Threat (Anomaly) Detection** in the form of rule-based event detection

Siemens Energy Vulnerability Management is a vendor-agnostic solution that is not limited to Siemens Energy systems. We provide hands on expertise to cover any industrial control system. Through a combination of Siemens Energy's OT expertise and leading technology from Tenable.ot, you can expect a powerful solution to secure your most vulnerable OT infrastructure.

By relying on Siemens Energy, a trusted partner for OT cybersecurity solutions, you will unlock the most value from the technology because we tailor each deployment to your organization's unique requirements. Siemens Energy configures every appliance and ensures that all connections are correct and data flows have been validated. The result is a solution designed for complex environments across vendors, asset functions, and operational requirements.

Siemens Energy is committed to working with your organization – guiding you on your journey to enhanced visibility, capable detection, increased security, and improved reliability.

Contact our Global Cybersecurity Portfolio leaders to learn how Siemens Energy Vulnerability Management powered by Tenable.ot can help your organization secure its OT environment

For further information:

Leo Simonovich
Vice President and Global Head
Industrial Cyber and Digital Security
Leo.Simonovich@Siemens-Energy.com

Stephen Hiser
Global Portfolio Manager
Industrial Cyber and Digital Security
Stephen.Hiser@Siemens-Energy.com

Cassandra Ljungmark
Global Portfolio Lead
Industrial Cyber and Digital Security
Cassandra.Ljungmark@Siemens-Energy.com

Published by

Siemens Energy Inc.
Controls and Digitalization
4400 N Alafaya Trail
Orlando, FL, 32826, United States of America