Industrial Cybersecurity Solutions

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The energy transition is here. Now we must secure it.

The severity and frequency of cybersecurity attacks targeting the energy sector are increasing as criminals, terrorist organizations, and nation state actors become more sophisticated at exploiting vulnerabilities in digitally connected critical infrastructure (CI). These threats are moving beyond information technology (IT) and are now directly targeting operational technology (OT) that controls energy assets and is linked to enterprise networks. Couple this trend with increased investment in digital solutions, and threat actors can exploit an expanding attack surface – leaving many organizations even more vulnerable to cyber threats. Attacks targeting OT systems are particularly threatening because of their potential to impact uptime and availability, the health and safety of staff and customers, and brand reputation.

Safeguard your digital future with Siemens Energy cybers solutions

Siemens Energy combines our expertise in OT cybersecurity and industrial control systems with industry leading technology to provide more than just tools. We partner with each of our customers to generate actionable and contextualized insights, mitigate risks, and minimize impact to operations. Our specializations include:

- **Securing aging infrastructure for a changing threat environment**
  Hardening gaps in cyber defense created by the continued use of aging and undermaintained OT assets
- **Risk and vulnerability management for OT assets and networks**
  Increasing the visibility of critical vulnerabilities and providing context to feed effective risk mitigation plans
- **Next-generation continuous monitoring for OT**
  Using artificial intelligence (AI) and advanced analytics to provide 24/7 vigilance across the OT environment
- **Incident response support and coordination**
  Harnessing the power of human intelligence to translate diagnostic cyber analysis into targeted incident response recommendations
- **Capacity building and training**
  Improving your organization's cyber readiness through consultative training and workforce development

Solutions to help your organization gain a critical advantage against cyber attackers

Endpoint Protection *DeepArmor® Industrial, Fortified™ by Siemens Energy*	Vulnerability Management *Powered by Tenable.ot*	Managed Detection and Response (MDR) *Powered by Eos.ii*
Protect highly distributed aging OT assets with advanced endpoint protection leveraging AI and machine learning • Protects against zero-day attacks without the need for constant updates that comes with signature-based malware protection • Ultra-lightweight solution requires minimal processing capacity and doesn't need an internet connection • Designed to operate and defend across fleets regardless of vendor, asset, and energy production type • Management Console provides visibility across IT and OT assets from a single pane of glass	*Defend OT assets and networks with robust passive vulnerability discovery, asset inventory, and threat detection capabilities* • Continuously identifies vulnerabilities with no impact to network performance • Detects, monitors, and tracks OT asset inventory • Couples rules-based event detection technology with Siemens Energy analyst expertise to produce targeted insights supporting cyber risk management and incident response • Vendor-agnostic solution that integrates with IT tools to provide visibility across IT and OT	*Proactively detect and prevent cyberattacks with next generation 24/7 continuous monitoring* • Robust AI-driven technology collects and contextualizes IT and OT data in real time across heterogenous and evolving environments • Active monitoring by Security Operations Center (SOC) provides timely and actionable threat intelligence to minimize risk, disruption, and impact • Fully managed service advances cybersecurity maturity without the investment required to build a SOC, manage a technology stack, or maintain a trained workforce.

A trusted partner to support your organization's cybersecurity journey

Siemens Energy is poised to address your organization's security needs. No other cybersecurity solution provider understands the complexities of the OT environment like Siemens Energy, and none bring a 100+ year history as a global leader in energy technology. Siemens Energy's extensive domain experience across the energy value chain means that we fully understand the criticality of operational reliability and business continuity in the context of your environment.

Each customer's cybersecurity journey is unique. By relying on Siemens Energy, a trusted partner for OT cybersecurity solutions, you will unlock the most value from our portfolio because we tailor each deployment to your organization's distinct requirements. Siemens Energy configures every piece of relevant technology, ensures that all connections are correct, and validates that data flows are properly functioning. 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 path to enhanced visibility, capable detection, increased security, and improved reliability.

Contact our Global Cybersecurity Portfolio leaders to learn how Siemens Energy can help your organization secure its OT environment

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