



From Checkbox Compliance to Holistic Cybersecurity for the Garrison Energy Center

THE CHALLENGE:

How to keep Garrison’s industrial network safe from cyberattacks while ensuring their compliance with NERC-CIP’s regulatory requirements and the NIST 1800-23 Energy Sector Asset Management standard.

THE OUTCOME:

Automated asset management, continuous detection of threats and vulnerabilities, anomaly detection, continuous compliance reporting. These enable Garrison to reduce risk on multiple vectors significantly.

The Garrison Energy Center is a 309MW combined-cycle dual fuel electric generating facility located in the Garrison Oak Technical Park in Dover, Delaware. The Garrison Energy Center provides power to the PJM Grid.



Headquarters
Dover, Delaware



Owner
Starwood Energy Group,
Greenwich, Connecticut



Industry
Energy & Utilities



Plant Type
Gas-fired combined-cycle
power generation facility



Active Since
June 2015



EVALUATING THE GARRISON ENERGY CENTER'S CHALLENGES

To keep the Garrison Energy Center's plant running efficiently, securely, and compliant with NERC CIP regulations, Garrison looked to iV4, a ProArch Company, to design and implement a proactive approach.

One of the first objectives was to get a full overview of Garrison's multi-layered industrial network. Before iV4 reached out to SCADAfence, there were blind spots on their network diagrams, so they were unsure if their knowledge of the access points into their networks was 100% accurate.

Next, the iV4 team needed to discover if there were any vulnerabilities on Garrison's networks. The team wanted to ensure that there was limited outside access into the control system (OT) internal networks, which are the heart of the operation.

In addition to ensuring that vendors and contractors had limited access to the OT network, other security systems were put in place to identify who was on the network, at what time, for how long. Still, once they were on the network, the Garrison Energy Center could not be certain if access was limited to a specific network area or the network as a whole.

The third requirement was complying with the NERC CIP regulations, which are more restrictive. The security team at iV4 strives to reduce risk and ensure that the plant would not fail a compliance audit.

Deploying SCADAfence enables iV4 to map out their entire OT network, give the client visibility into their remote access points, identify vulnerabilities, comply with the industry standards, and to reduce the risk of cyberattacks proactively.

FINDING THE RIGHT SOLUTION:



In only ten days of monitoring, the SCADAfence Platform was able to pick up what would take a network professional a couple of months to do."

Gerald Kissel, Plant Manager at the Garrison Energy Center

Before SCADAfence's installation, iV4 mapped out all of the vulnerability points discovered on the network, an effort requiring weeks instead of days. iV4 has an in-depth knowledge of the network architecture for both IT and OT systems. The SCADAfence platform's ability to identify OT network issues automatically within ten days impressed Garrison Energy Center's security team.

With the SCADAfence Platform deployed, the Garrison Energy Center expanded its vulnerability management (for security and compliance reasons), incident response, and monitoring. Garrison's multi-tiered industrial network is fully secured and compliant.

The Garrison Energy Center now has full visibility and control of their OT network, and they have a proper solution in place that significantly reduces their risk.

GOODBYE COMPLIANCE SURVEYS. HELLO, REAL-TIME DATA.



If you're trying to fulfill the requirements of NERC CIP, with CIP-002 and CIP-003, you have to know who's on your network, how they're accessing your network, and what they're doing. SCADAfence is the only software that lets you build a custom policy, and then continuously monitors the compliance in real-time, based on real data points."

Gerald Kissel, Plant Manager at the Garrison Energy Center



In addition to great detection, we also found that SCADAfence's alerting to be highly accurate. The alerts have been confirmed by our network engineers."

"If you ever had a NERC audit, the only way you can prove that you're compliant with all of the NERC requirements is to show them the data in the SCADAfence Governance Platform. We no longer have to fill out compliance surveys, since the compliance reports and real-time alerts which SCADAfence provides us, ensure that we are compliant with the latest industry standards and that the power plant is running safely."

Shawn Lebbon, Consulting Engineer at iV4, a ProArch Company

About iV4, a ProArch Company

For more than 20 years, iV4, a ProArch Company has evolved from on-premise hardware to today's complex cloud, data, security and compliance technology landscape. With offices in Atlanta, Upstate New York, London, and India, iV4 is an innovative, award-winning and recognizable information technology consulting, security, cloud, data, application development and managed services company whose mission is to develop true partnerships with its clients by aligning custom technology solutions with business strategies that drive innovation and growth. iV4 enables each customer to modernize, protect and grow their business by seamlessly aligning business goals and processes with comprehensive technology solutions that increase productivity, reduce costs and mitigate risk. For more information, visit iv4.com

About SCADAfence

SCADAfence is the global technology leader in OT & IoT cybersecurity. SCADAfence offers a full suite of industrial cybersecurity products that provides complete coverage of large-scale networks, offering best-in-class network monitoring, asset discovery, governance, remote access, and IoT device security. A Gartner "Cool Vendor" in 2020, SCADAfence delivers proactive security and visibility to some of the world's most complex OT networks, including the largest manufacturing facility in Europe. SCADAfence enables organizations in critical infrastructure, manufacturing, and building management industries to operate securely, reliably, and efficiently.

To learn more, go to www.scadafence.com

GET STARTED TODAY

See how the Garrison Energy Center uses SCADAfence to achieve these results

See it live