INDUSTRIAL DEFENDER®

CASE STUDY

Natural Gas Generation

Unifying IT and OT cybersecurity monitoring for an offshore natural gas operation



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COMPANY PROFILE

A natural gas company that delivers gas from offshore platforms through processing plants to customer distribution points in the Middle East.

Customer Requirements

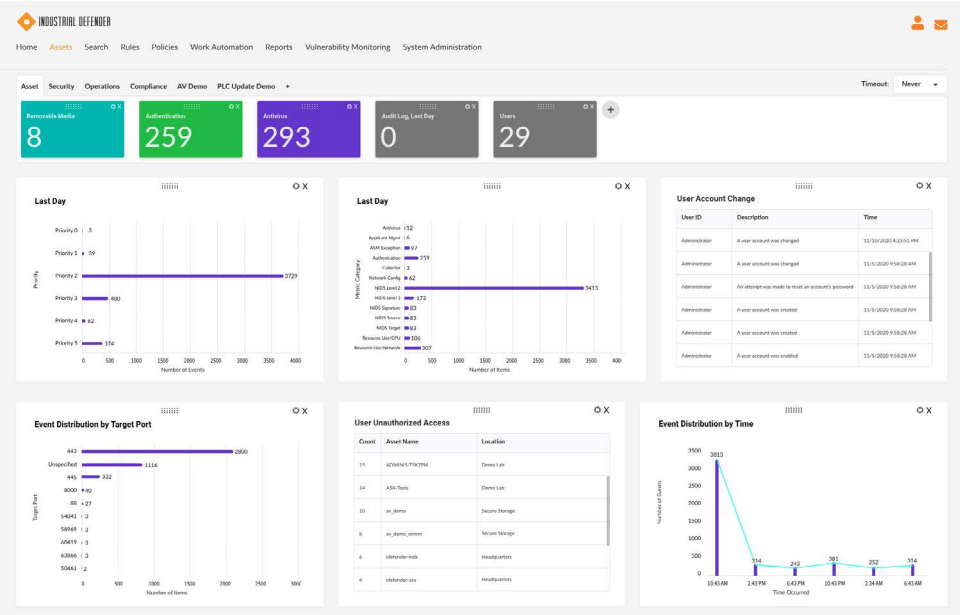
- Provide a secure and resilient OT environment with real time situational awareness.
- Unify cybersecurity monitoring over the entire gas processing system to provide an IT interface to OT cybersecurity system.
- Comply with multi-national cybersecurity monitoring and reporting requirements.
- Automate cybersecurity management as much as practicable.

"Industrial Defender's exceptional reporting and automation capabilities streamlined our compliance with international monitoring regulations."

PROJECT GOALS

A solution using Industrial Defender was developed to address the following objectives and core use cases.

Goals	Challenges
• Enable real-time awareness of security posture with OT networks and components. • Deploy compliance and reporting functionality used to answer auditor concerns and comply with national laws. • Significantly reduce cybersecurity management while increasing security visibility. • Divide ICS cybersecurity into two geographic locations within the entire gas low stream, i.e. platform to customer. • Provide an OT/ICS security system interface at corporate level in IT environment with reports, alerting and email notification. • Detect aberrant network or system behavior, intrusions, communications, brute force attacks etc. using ICS protocols.	• Geographically dispersed infastructure across water and neighboring countries • Non-intrusively monitor sensitive and purposely isolated networks and equipment across leased lines and remote sites. • Remote monitoring of locations where valve control and gas flow measurement systems reside. • Traverse multiple firewalls from different vendors. • High volume video traffic monitoring facilities, pipeline and fence intrusion. • Detect and report media insertion, including USB/CD, software modifications, process and system changes. • Heterogenous process control systems from multiple ICS vendors.



Industrial Defender Asset Management Dashboard

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THE RESULT: UNIFIED IT AND OT CYBERSECURITY MONITORING IN ONE INTERFACE

- Dramatically improved cybersecurity visibility into the ICS network and comprehensive event tracking.
- A single interface to reduce cybersecurity management and automate tasks, including compliance reporting.
- Exceptional reporting capabilities resulted in compliance with international government monitoring regulations where no previous automated mechanism existed.
- Industrial Defender Collectors (IDCs) were deployed to monitor assets consisting of switches, firewalls, computers and servers.
- Achieved a complete security picture through active and passive monitoring of events, devices and networks.
- Malware detection, prevention and risk management



THE INDUSTRIAL DEFENDER DIFFERENCE

Since 2006, Industrial Defender has been solving the challenge of safely collecting, monitoring, and managing OT asset data at scale, while providing cross-functional teams with a unified view of security. Their specialized solution is tailored to complex industrial control system environments by engineers with decades of hands-on OT experience. Easy integrations into the broader security and enterprise ecosystem empower IT teams with the same visibility, access, and situational awareness that they're accustomed to on corporate networks. They secure some of the largest critical control system deployments with vendors such as GE, Honeywell, ABB, Siemens, Schneider Electric, Yokogawa and others to protect the availability and safety of these systems, simplify standards and regulatory requirements, and unite OT and IT teams.

Planning an OT Security Project?

SCHEDULE A DEMO

FOR MORE INFORMATION

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