



CASE STUDY

Chemical Processing

Asset Visibility and
Management

INDUSTRIALDEFENDER.COM





COMPANY PROFILE

This customer is a large producer of chemicals including low-density polyethylene (LDPE). They produce a wide range of chemical grades suitable for many plastic processing techniques and used for various applications.

THE SITUATION

This chemical processor's environment consists of wide industrial networks which are comprised of heterogeneous ICS systems, including Honeywell, Schneider, Siemens, Woodward, Hima, Rockwell, and Yokogawa. They needed to secure these complex networks from cyberattacks to ensure the availability and safety of their plants. Complete asset visibility and management was a challenge for them, as there were several teams using nine different plants with different groups and operators running them. The goal was to monitor and manage these systems from one location.

CUSTOMER REQUIREMENTS

- Centralized asset visibility & management
- Security monitoring
- Risk reporting
- Easy enterprise integration

“INDUSTRIAL DEFENDER WAS THE PERFECT TOOL TO MONITOR SECURITY EVENTS ACROSS A NUMBER OF DIFFERENT ICS SYSTEMS AND VENDORS.”

THE SOLUTION: INDUSTRIAL DEFENDER

The company uses Industrial Defender to monitor and manage all their OT assets. The moment the solution was implemented, they immediately found problems they were not aware existed. One example was a service account causing continuous failed logons. Further investigation revealed that a service that was no longer needed was still being used, which allowed them to correct the issue right away. They also found some serious disk space issues on some of their OT devices.

The vulnerability monitoring tool helped the company understand which devices in their system were at the most risk for attack, and they were able to run a policy to ensure that vendor-required patches have been applied successfully on their assets. They then created an automated report to regularly monitor for any assets that aren't in compliance with the new policy.

Goals	Results
• Centralize asset visibility and management • Effectively keep up with vulnerabilities in their devices • Detect anomalies in the OT network and endpoints • Forward OT security events to the IT security team	• A centralized management console for assets, vulnerabilities and overall risk • Security event monitoring in place to detect potential threats on endpoints • Passive monitoring to detect threats at the network level • API-enabled integrations to share OT security data with IT teams

THE RESULT: CENTRALIZED SECURITY

All security events are now visible in a centralized location. In addition to displaying the events, the IT security group is automatically forwarded the OT security events from Industrial Defender. The passive monitoring tool also allows them to connect to their Level 2 switches and gather asset information without having to change their hard-coded firewall rules, which was very important for the team.

The end result was deep, centralized visibility into their ICS network and endpoints. Through a combination of active and passive monitoring of their devices and networks, the company was able to effectively manage risk, detect threats and automate manual tasks.

“THE MOMENT INDUSTRIAL DEFENDER WAS IMPLEMENTED, WE NOTICED PROBLEMS IN OUR CONTROL SYSTEMS WE WEREN’T AWARE EXISTED.”

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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