INDUSTRIAL DEFENDER®

CASE STUDY

Chemical Manufacturing

Protecting Critical Process Control Networks

COMPANY PROFILE

Our customer, a global Fortune 500 chemical company that serves customers in over 90 countries, provides coatings, as well as paper and plastics products for agriculture, nutrition, electronics and other industries. To manage the quality and safety of their chemical plants, they operate a sophisticated set of process control systems.

THE SITUATION

The director responsible for all the process control networks began to see the site's technology outpace its engineering resources. As the systems grew in size and complexity, there were fewer resources available to monitor and apply predictive maintenance to the hardware and control systems. In short, they were attempting to do more with fewer personnel. This created several significant concerns, including:

- How to identify health and performance issues that may indicate operational challenges within process control systems

- How to keep up with emerging vulnerabilities to protect their critical process networks

CUSTOMER REQUIREMENTS

- Improve visibility into process control system (PCS), networks, and management

- Create and implement a measurable security monitoring program

- Ensure continued compliance with Chemical Facility Anti Terrorism Standards (CFATS)

- Monitor process control systems remotely

- Better predictive maintenance

"I know I have problems. I have trouble finding them."

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THE SOLUTION: INDUSTRIAL DEFENDER

To address these challenges, the company chose Industrial Defender. This integrated solution delivers security, compliance, and change management on a single pane of glass across the company's disparate asset base. To improve visibility into their PCN, the company also deployed automation system agents, purpose-built to integrate with technologies from leading automation vendors and deliver critical capabilities that support the overall solution.

As part of this selection process, the company chose to conduct a proof of concept (POC). Industrial Defender was deployed in a lab, then configured to integrate with field systems and operator stations, and other critical process control systems. Through the POC, the team was able to demonstrate the solution delivered no adverse impact on operations, no adverse impact on systems and, most importantly, the ability to immediately deliver data to achieve the operational and compliance requirements at the heart of this project.

After full evaluation of Industrial Defender, the company chose to move forward with the technology, and chose to leverage the companies managed security services for central monitoring of the solution.

Goals	Results
• Improve visibility into process control system, networks, and management	• Comprehensive inventory of all assets in their process control systems
• Automated compliance reporting	• Reduce staffing needs due to compliance automation
• Establish a cybersecurity program	• Achieved a Defense in Depth strategy
• Better predictive maintenance	• Less unplanned downtime from real-time monitoring of asset health status

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THE RESULT: A UNIFIED VIEW OF SECURITY & AUTOMATED COMPLIANCE

The POC demonstrated that the solution delivered no adverse impact on operations and systems. The company was so impressed with the product that they developed a comprehensive white paper, recapping their results and detailing the benefits they would gain. Industrial Defender met all their project requirements, including the ability to enact remote monitoring and automate reporting.

After full implementation, the company gained significant operational benefits. Specifically, the team leverages system monitoring as a troubleshooting tool, as well as a predictive maintenance tool that helps them to plan repairs before system issues arise. They also now have a single interface to monitor each assets' health and cybersecurity status, and automate tasks, including compliance reporting.

> "With Industrial Defender, we're able to improve operational efficiency, better protect critical process control systems against threats and meet our external compliance obligations."

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

1 (877) 943-3363 • (617) 675-4206 • info@industrialdefender.com

225 Foxborough Blvd, Foxborough, MA 02035

industrialdefender.com

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