

Harden Your Operational Technology Assets Against Cybersecurity Risks



What Is Your Situation?

- Do you need help implementing your corporate IT standards? We can help apply your IT policies to the technologies supported—regardless of brand or platform.
- Do you have the resources and technical knowledge to implement your IT guidelines at the automation layer? We can advise you on how best to protect yourselves—as well as implement our recommendations.
- Are you a smaller company with limited IT resources? Our business analysis experts can give you guidance and supply all the tools and technologies rightsized for your OT environment.

Regardless of your situation or industry, our experts can help better prepare your network and systems for any cyberattack. We will utilize a variety of OT infrastructure services to assess and monitor your systems—available on-premises or in the cloud. Our services include the identification and assessment of vulnerabilities, remediation of protection gaps, and securing your process shop floor systems from cybersecurity risks.

Supporting Services & Solutions



Enterprise Architecture & IIoT:

We have the expertise to help connect your devices and onboard them to Level 2 and Level 3 systems within your enterprise architecture—in alignment with your strategy.



Cyber Assessment & Hardening:

To secure your OT network assets, Control Associates can partner with your Operations and IT teams to develop a program that may include:

- Creating or updating your system inventory or configuration management database
- Assessing and identifying vulnerabilities
- Remediating protection gaps through the implementation of solutions, including operating system & application upgrades, network segmentation, automated patch management, end point virus protection/workstation hardening, whitelisting, access control, and backup & recovery
- Associated testing & documentation



System Performance Health Assessment:

For active monitoring and assessing your system's performance, we have the tools and know-how to determine ways to optimize your hardware and software—making it better and faster.

Our engineers, applications, and tools allow us to:

- Measure a multitude of metrics and look for deteriorating health conditions
- Make recommendations and implement them, as well as monitor your systems in real time
- Perform periodic health assessments to maintain system health, on-demand, to remediate any system performance gaps

CUSTOMER STORY

Major Nutritional Products Company Selects Control Associates To Assess, Design, and Implement a Cyber Security Solution for Its Automation & Manufacturing Execution Systems

Control Associates partnered with a major nutritional products manufacturer to implement a turnkey cybersecurity program for operational technologies that included: two DeltaV™ Distributed Control Systems (DCS) running on Microsoft Hyper-V and a Syncade Manufacturing Execution System (MES).

The Scope of the Program Included Collaborating With the Customer to Design, Implement, Document & Test Solutions in Five Key Areas:

- 1 Upgrades**

Control Associates upgraded two DeltaV systems—both the operating systems and applications—to get to the most current supported state. Each new DeltaV release is the most secure release, as we continually make advancements in security features and add layered software and hardware security solutions.
- 2 Network Segmentation**

Our experts collaborated with corporate IT to design and implement security zones, including detailed network segmentation aligned with the customer's guidelines. In addition, we designed and requested switch configuration and firewall configuration through the customer's IT Service Management System.
- 3 Access Control**

Our team implemented the customer's standard Privileged Access Management (PAM), role-based account access, account controls, and password policies.
- 4 Backup & Recovery**

Our team implemented and tested standard backup and recovery solutions for DeltaV and Syncade, including virtual machine and file level backups.
- 5 Anti-Virus/Patch Updates**

Control Associates collaborated with corporate IT to implement end point protection utilizing McAfee® ePolicy Orchestrator® (McAfee® ePO™), automated patch management, and whitelisting.

Control Associates is a provider of process control systems, valves, actuation, instrumentation, regulators, relief valves, asset reliability, systems integration, manufacturing execution systems, and data management solutions for industrial and commercial customers in the tri-state metropolitan New York, New Jersey, and Connecticut region. Our unique long-term partnership with Emerson and other leading manufacturers enables us to connect customers with innovative technology, engineering expertise, and 24/7 lifecycle support services to optimize the reliability, safety, profitability, and performance of their operations. Our 40,000 sq ft facility is 20 miles from Manhattan, offering local services and support.