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ABB Ability™ Cyber Security Protect
One solution to automate security
insight and defense at scale

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Today's cyber-attacks against Operational Technology (OT) are growing in sophistication and frequency. This has led to organizations implementing disparate tools and systems that often work in silos – providing limited visibility into the security posture of OT enviornments.

ABB Ability™ Cyber Security Protect provides one solution for end-to-end industrial cyber security delivering unmatched security simplicity through a holistic view of all security controls for quick remediation – all from a single solution designed to scale with your business.

Recipe for Disaster

Today's traditional Operational Technology (OT) environments are becoming more connected, exposing previously isolated components to higher risk of a cyber-attack. The question is no longer if you will be attacked, but rather when you will be targeted by cyber criminals. These organizations must now look to protect thousands of distributed assets, digital systems, multiple control loops, and hundreds of controllers with little to no cyber security currently in place.

To better secure these assets and systems, organizations have often purchased and implemented multiple disparate security solutions. The issue with this approach is that these disparate tools operate independently of one another – bringing a new level of complexity to their environments. The complexity that comes with these disconnected tools, limits visibility across the OT environment and hinders organizations from gaining a holistic view of their security posture – leading to errors and vulnerabilitles that may be expoloited for nefarious intent.

As organizations continue on their digital journey, companies will require a solution that can provide them with the complete visiblity of their security controls through a consolidated view in a simple and intutive user interface that can scale and grow with their business.

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Disadvantages of Disparate tools

Increased Complexity
Solutions that are not integrated create gaps in security posture that can lead to a higher risk of attack

Time Consuming
Managing multiple solutions from multiple vendors can become cumbersome and inefficient

Limited Visibility
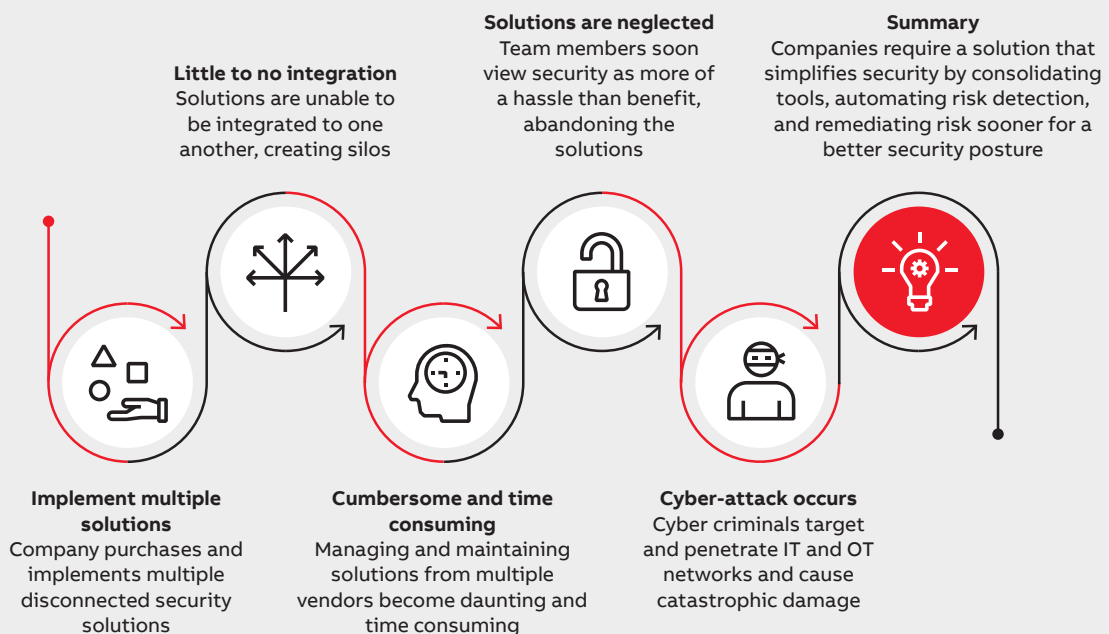Lack of visibility into security controls hinder remediation and threat detection

High Total Cost of Ownership (TCO)
Implementing and maintaining solutions across multiple vendors can become costly

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A Typical Sequence of Events

Traditional OT environments managing multiple disconnected security solutions independently can becomecomplicated, cumbersome, costly and time consuming.

Little to no integration
Solutions are unable to be integrated to one another, creating silos

Solutions are neglected
Team members soon view security as more of a hassle than benefit, abandoning the solutions

Summary
Companies require a solution that simplifies security by consolidating tools, automating risk detection, and remediating risk sooner for a better security posture

Implement multiple solutions
Company purchases and implements multiple disconnected security solutions

Cumbersome and time consuming
Managing and maintaining solutions from multiple vendors become daunting and time consuming

Cyber-attack occurs
Cyber criminals target and penetrate IT and OT networks and cause catastrophic damage

Introducing ABB Ability™ Cyber Security Protect

To help organizations navigate the increasing complexity and stay ahead of today's emerging threats ABB implements best-in-class technology to meet organization's security requirements and stay a step ahead of cyber criminals.

ABB technology simplifies security without compromising reliability by reinforcing and enhancing your current security framework. Taking the best of ABB flagship security solutions ABB is providing customers with a tailored security solution to meet their operational technology requirements called ABB Ability™ Cyber Security Protect.

ABB Ability™ Cyber Security Protect provides one solution for end-to-end industrial cyber security delivering unmatched security simplicity through a holistic view of all security controls for quick remediation – all from a single solution designed to scale with your business.

Key benefits include:

Simplicity
Streamline security by collecting security-relevant data from ABB and third-party cyber security solution for a centralized integrated security ecosystem.

Visibility
Holistic view of all security controls provide detailed monitoring of your security environment for early detection and ability to take action to protect your assets.

Scalability
Flexible architecture that is universal and vendor neutral, designed to scale with your business and security initiatives.

Take your security to the next level and take the shift from multiple siloed security tools to ABB Ability™ Cyber Security Protect to increase your cyber resiliency from new threats and vulnerabilities with a simple and intuitive user interface.
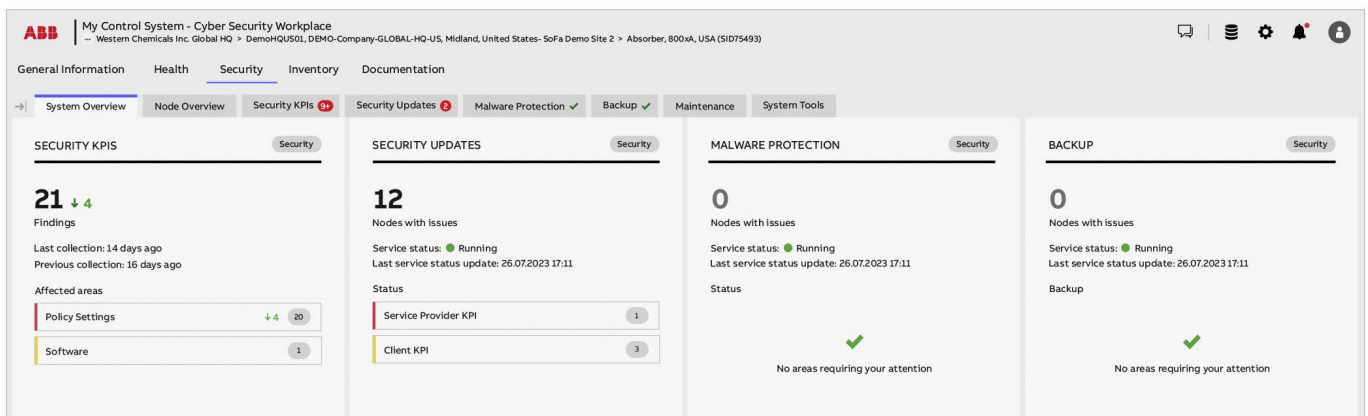
Key features

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ABB Ability™ Cyber Security Protect includes:

Security Control Dashboard
Single intuitive dashboard that monitors your security controls, notifies you of increased risk, and guides you with remediations steps.

Security Update Management
Monitor the status of your security patches 24 x 7 so that you install patches to known exploits as quickly as they become available.

Malware Protection Management
Alerts you immediately when your anti-malware blocklist update was unsuccessful and missing so that you can quickly correct the issue.

Backup & Recovery Management
Avoid lasting damage to your business by ensuring that you always have adequate backups to quickly restore to a known good state.

Application Allowlisting
Proactively prevent non-whitelisted executables from running on a device with pre-defined list of approved applications that users can access.

Event Monitoring
Extract and forward security event data from multiple industrial systems safely to a centralized SIEM to be processed and detect malicious activity based on ABB OT uses cases.

Alarms & Reporting
Security notifications that alert you immediately when your systems are exposed to known vulnerabilities.

Network Isolation
Isolate the control system network at the click of a button to keep critical assets safe and production online.

Remote Access Management
Manage user accounts and authentication with the ability to activate and terminate remote sessions at will.

Asset Inventory Management
Active data collectors are employed to develop a comprehensive asset inventory that is vendor-agnostic and always on.

Licensing product offerings

ABB Ability™ Cyber Security Protect can be purchased for a new system build or for an existing control systems. Regardless of the situation, ABB has a solution for you that can reinforce and enhance your existing cyber security posture. When ordering a license, please check the comparison table listed below for features specific to each version within the ABB Ability™ portfolio.

	Protect essentials	Protect advanced
ABB Ability™ Cyber Security Workplace	●	●
Secure Patching	●	●
Malware Protection	●	●
Backup	●	●
System Hardening	●	●
Remote Access Management	●	●
Application Allowlisting		●
ABB Ability Cyber Security Event Monitoring		●
Event Collector		●
Event Forwarder		●
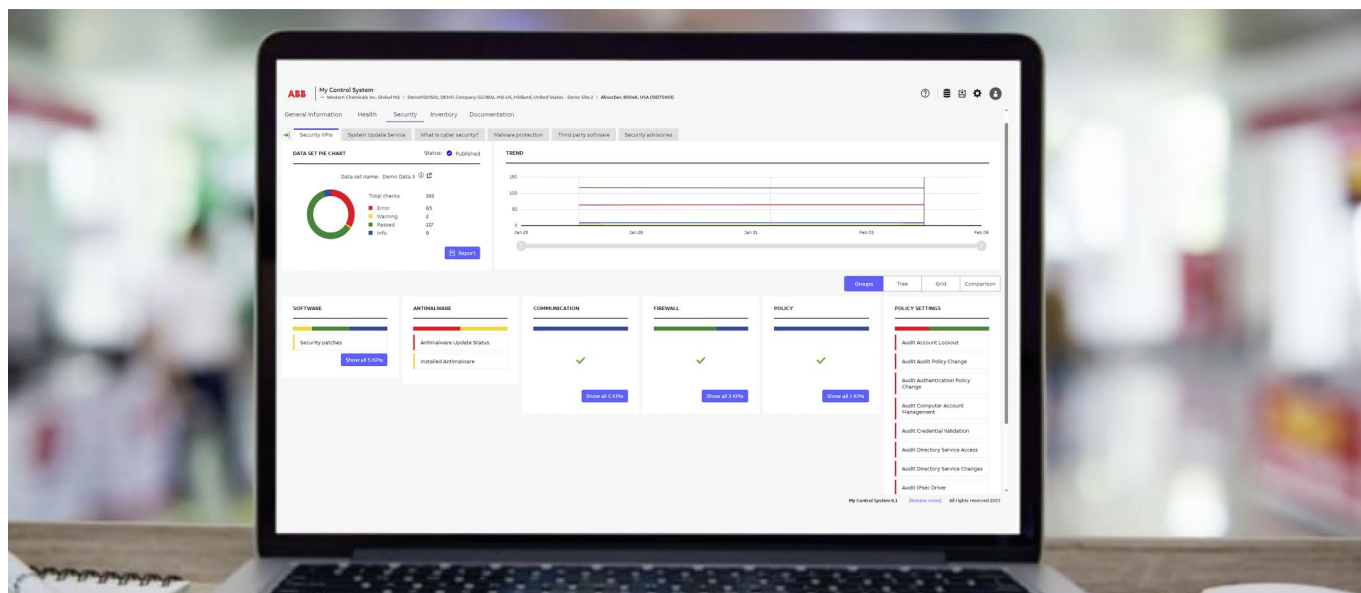
Secure your environment today

Whether you're responsible for a new system build, management of an existing control system, or a system upgrade project, ABB has the technology and expertise to capitalize on your prior investments and reinforce your existing cyber security strategy by continuously assessing, implementing, and maintaining your OT environment with best-in-class technology and services.

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ABB Ability™ Industrial Software
Solutions that revolve around you

Combine ABB deep domain expertise with connectivity and software innovation to empower real-time, data-driven decisions for safer, smarter operations that maximize resource efficiency and contribute to a low-carbon future.

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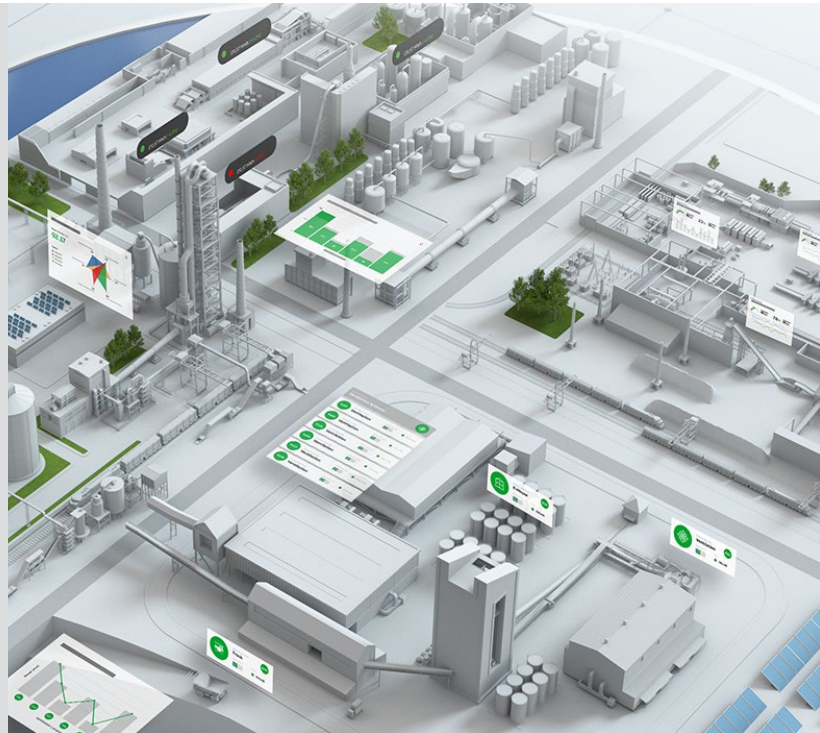
Contact an ABB Expert

Or learn more on how ABB can assist you in your cyber security journey by visiting:
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new.abb.com/industrial-software/cyber-security