
ABB Ability™ Cyber Security Services

Identify threats. Automate compliance.
Ensure reliability.



—
In today's business environment, cyber security is critical when ensuring reliability of Industrial Automation and Control Systems.

ABB Ability™ Cyber Security Services mitigate cyber risks by identifying potential threats, automating compliance efforts and defending against cyber-attacks.

Protect your automation assets from cyber-attacks

Cyber threats are real and every industry is facing increased risk of cyber-attacks. Malicious attacks have caused losses of hundreds of millions of dollars to companies globally, and threat actors continue to find new ways to attack information

and operational systems. To protect assets, processes and people from this imminent danger, companies must develop a cyber security strategy, and integrate cyber security measures into their existing processes.

Cyber-attacks companies are most likely to face

| | | |
|-----------------------------------|---|--|
| Socially engineered threats | → | End-user is tricked into installing a malicious program or giving away sensitive information |
| Phishing attacks | → | Skillfully crafted email in which a user clicks on a link or attachment, from which an attack is launched. |
| Unpatched software | → | Unpatched systems are compromised with ease due to exploitable vulnerabilities |
| USB and other removable media | → | Media infected with malicious software is plugged directly into control systems networks bypassing security controls |
| Advanced Persistent Threats (APT) | → | Sophisticated zero-day exploits are used by APT's to go undetected |

Steel Mill, Spain

Needed visibility of control system cyber security status and ensure software and antivirus programs were up-to-date.

We met that need with

ABB Ability™ Cyber Security Fingerprint

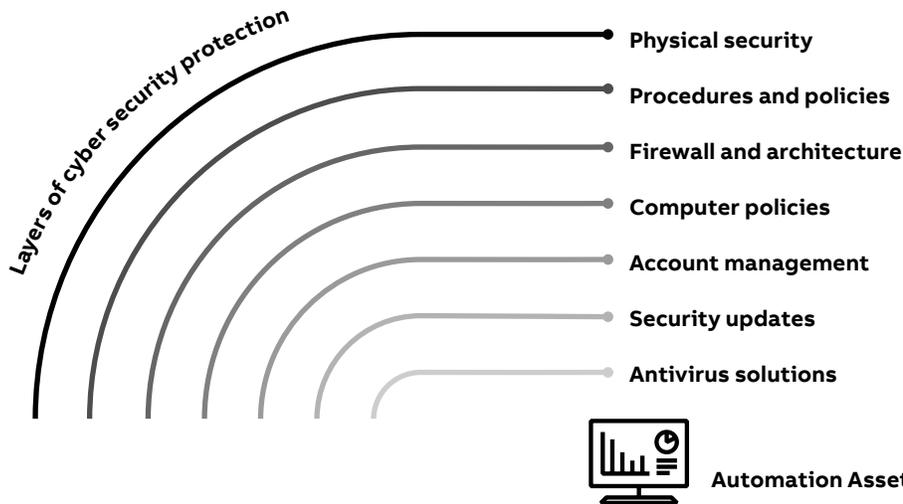
Helped to identify vulnerabilities and develop a lasting security strategy.



Adopt a defense-in-depth strategy

Many attacks are successful because the virus or malware can quickly move across the network from one host to another using credentials from a common set of credentials.

To minimize the impact of these attacks, it is important to have multiple layers of cyber security protection.



Specialty chemical facility, USA

Needed a solution to automatically deploy the latest malware protection and security updates across all control systems

We met that need with **ABB Ability™ Cyber Security Basic Controls**

Increased security with continuous up-to-date protection while reducing manual work



Strengthen security with a complete portfolio of cyber security solutions

ABB provides a range of cyber security solutions that minimize cyber risks and provide the highest level of protection for automation assets.

ABB cyber security solutions have been uniquely developed for industrial systems like yours.



Assessments

Gain an understanding of the cyber security posture of your system(s)

Security Controls

Defend against fundamental threats by implementing cyber security controls

Training

Reduce incidents by equipping your team with cyber security insight



Maintenance

Ensure continuous protection of your automation systems using our skilled industrial cyber security engineers

Consulting

Implement your cyber security projects using our global network of industrial cyber security experts



Security Operations

Leverage our global network of experts through ABB Collaborative Operations Centers for 24/7 continuous monitoring and support

ABB addresses cyber security at each phase of an automation asset's life cycle, from design and development to operations and maintenance. We work with our customers to develop processes that ensure the highest level of protection for all automation assets against cyber-attacks and security breaches.

We follow a process that includes identifying what must be protected, actively protecting the automation assets, detecting security breaches, responding to cyber-attacks and establishing backup and recovery plans. We also work with our customers to restore systems and recover information in case they are impacted.

Why ABB Ability™ Cyber Security Services

We bring three key areas of expertise:



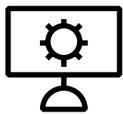
People

Whether you need help implementing a cyber security control, making changes to your architecture, or writing a security policy, our local industrial cyber security experts are available. We can help with specific projects of any size or offer a flexible consulting program to fit your needs.



Process

All our cyber security solutions and projects are executed by industrial cyber engineers and experts following carefully designed steps to ensure accurate and efficient deployment with minimal impact to production.



Technology

ABB has partnered with several companies to bring the best cyber security solutions to our customers. We have also developed our own solutions where the available ones aren't ideal for the industrial space.

Chemical Company, Germany

Client needed someone to make sure that their security controls remain effective over the year

We met that need with
Cyber Security Maintenance

With ABBs help maintaining the security controls, the customer personnel were able to focus all their attention on the production

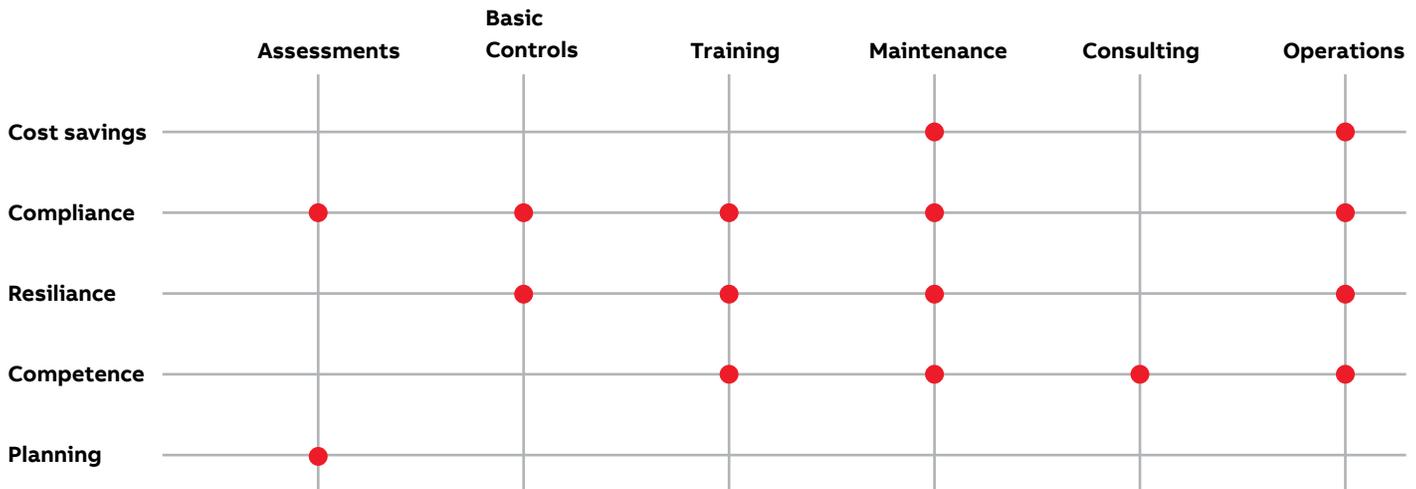


Let us help meet your cyber security needs

ABBs cyber security solutions can help you in multiple ways:

| | |
|--------------|---|
| Cost savings | Get more done with your current budget by outsourcing cyber security |
| Compliance | Leverage ABB to help meet all or part of your regulatory compliance requirements |
| Resilience | Increase the availability of your production systems with stronger cyber security |
| Competence | Increase your own team's competence or tap into ABBs team of industrial cyber experts |
| Planning | Use our assessments to plan upcoming work and maximize your return on investment |

Main benefit for each cyber security solution:



Power & Water Company, Oman

Customer needed to quickly meet new mandatory regulation

We met that need with
Cyber Security Consulting

Complete re-architecture of existing network with layering, DMZ, secured perimeters, moving to centralized domain across control systems





Make your assets cyber-secure today

To get started or learn more, please contact your local ABB sales representative or visit:

—
abb.com/cybersecurity

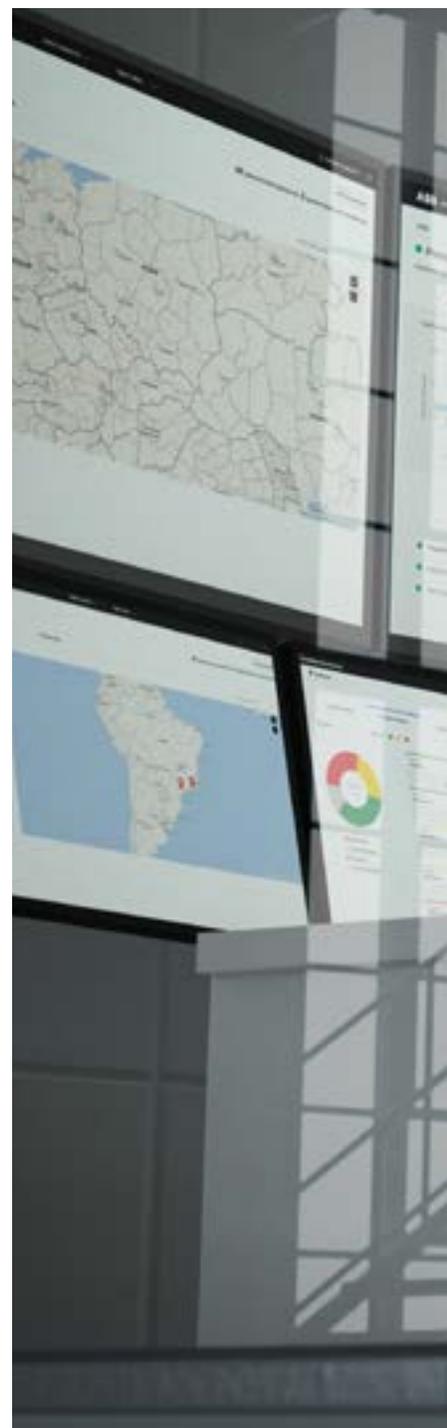


ABB Ltd.
Operating in more than 100 countries.

© Copyright 2020 ABB. All rights reserved.
Specifications subject to change without notice.