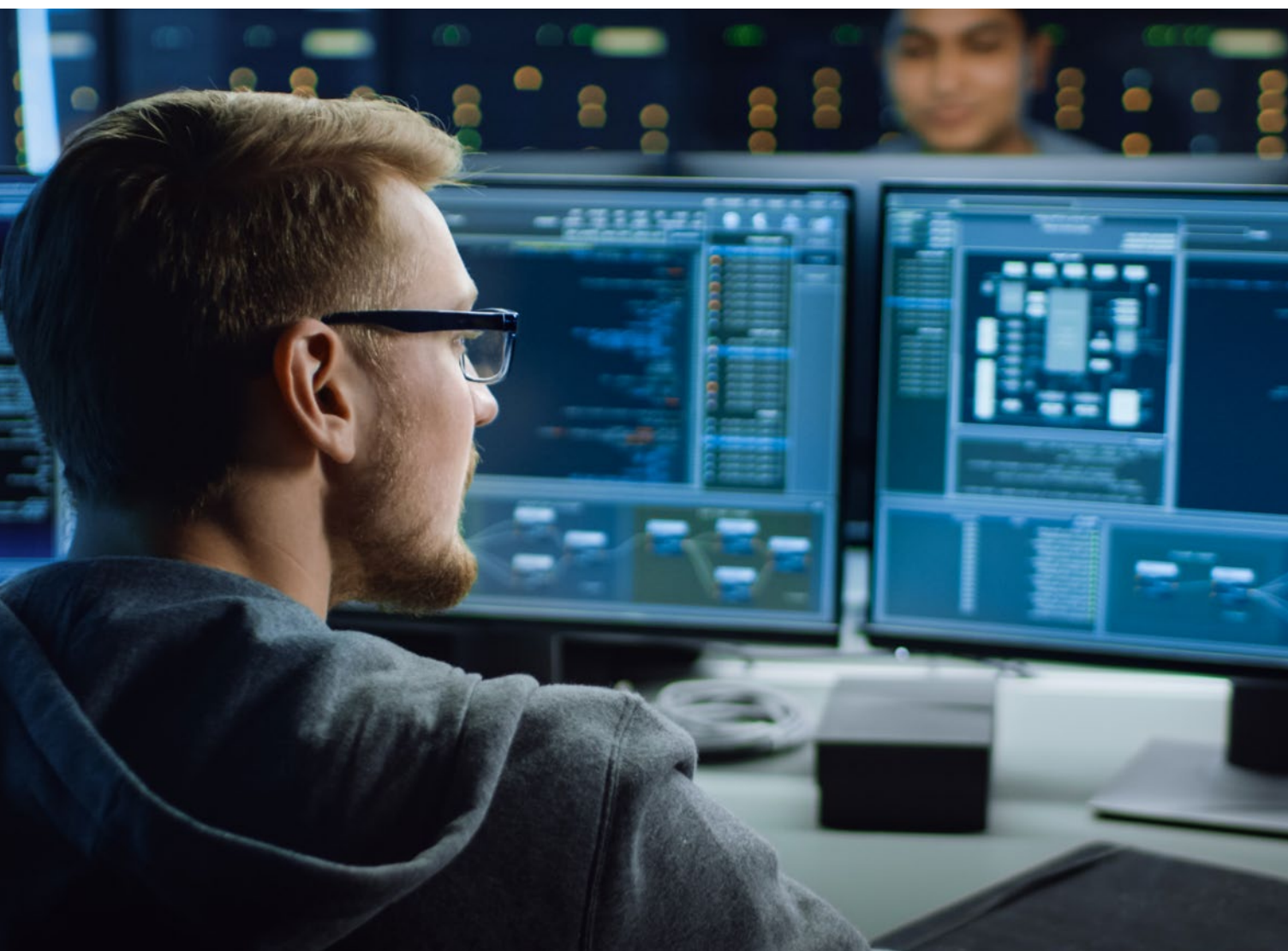# ABB Ability™ Cyber Security for industries
End-to-End Industrial Cyber Security

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In the modern world of Industry 4.0 and IIoT the threat landscape continues to worsen, with many more systems and devices in the Operational Technology (OT) environment becoming increasingly intelligent and hyperconnected – presenting new attack vectors and possibilities for production to be disrupted.

ABB Ability™ Cyber Security portfolio of products and services deliver end-to-end industrial cyber security to protect your business from the growing complexity of modern threats in an ever-evolving threat landscape.

Protecting your people, production, and assets from cyber-attacks

Operational Technology controlling industrial processes, are becoming more connected to outside cloud services – enabling new capabilities and possiblities when managing industrial automation control systems. However, the reality is with these new capabilities comes a larger attack surface and an increased risk of cyber-attacks with malicious threat actors causing losses of hundreds of millions of dollars to companies globally.

As cyber-attacks continue to advance in complexity and find new ways to attack information and operational systems, one thing remains certain, cyber threats are real for every industry. The frequency of cyber incidents is increasing exponentially, but you don't have to miss out on the benefits of the new digital age because of the fear of a breach.

To better protect people, production and assets from the imminent danger of a cyber-attack organizations must develop a cyber security strategy that integrates cyber security measures into their existing processes.

The cost of not addressing cyber security

Safety risks
Cyber-attacks put workers at risk of serious injury and death.

Environmental damage
Cyber-attacks risk releasing hazardous materials into the surrounding environment

Production losses
Risk of production disruptions resulting in loss of production and financial implications

Regulatory fines
Failure to meet security standards and compliance lead to fines and sanctions from regulating bodies

Just the Facts
Cybercrime is on the rise and represents the single largest transfer of wealth in the world economy. The time to act is now, don't be another statistics!
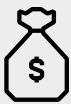
Cybercrime to reach
$10.5 trillion
by 2025[1]

Ransomware to cost organizations
$265 billion annually
by 2031[1]

Cybercrime to grow
15% YoY
for next 5 years[1]

On average it takes organizations
277 days
to identify and contain a breach[2]

93% of OT organizations had 1+ intrusions in last year;
78% had 3+ intrusions[3]

Cyber attacks impacted
61% of OT systems
causing outages, loss in productivity and more[3]

1. eSentire. 2022 Official Cybercrime Report. written by Cybersecurity Ventures
2. IBM: Cost or a Data Breach 2022 report. IBM and Ponemon institute
3. Fortinet: 2022 State of Operational Technology and Cybersecurity Report

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Introducing ABB Ability™ Cyber Security for industries

Understanding and managing the risks associated with a cyber intrusion and then protecting against these attacks or mitigating the consequences can seem like a daunting task especially in conjunction with the day-to-day task of keeping a plant up and running. The old saying of it's a journey not a destination is very true when it comes to securing the OT environment, but ABB is here to partner with you on your security journey!

ABB increases your business agility to addressing and adapting to modern cyber threats by providing an enhanced holistic end-to-end security approach to your OT environment. Our portfolio of products and services leverage common security building blocks and ABB security expertise – from consultancy-to-technology-to services – protecting your people, production, and assets from increasingly complex threats. We have 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 in an ever-evolving threat landscape.
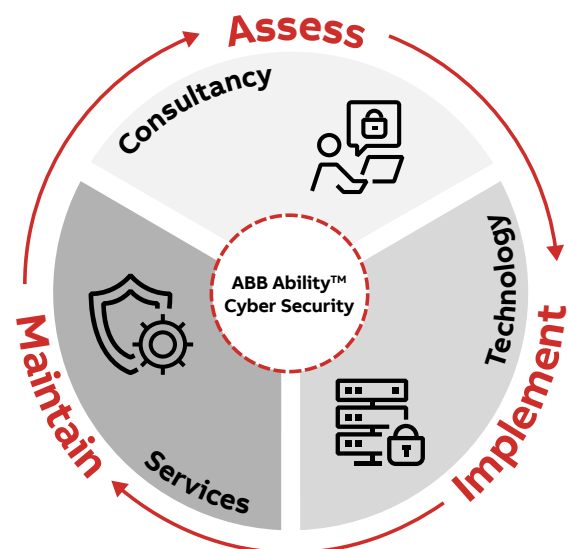
Consultancy

Our approach begins by assessing your OT environment's security posture. Our ABB security experts evaluate any security risk in your current environment and provide a detail plan of action to make the appropriate improvements to address potential vulnerabilities from being exploited.

Technology

To help you navigate the increasing complexity and stay ahead of today's emerging threats we help customers implement best-in-class technology to meet their security requirements. We simplify security without compromising reliability by reinforcing and enhancing your current security framework.

Services

We partner with you to integrate into your existing security strategy – across your people, production and assets throughout your OT environment. To do this our ABB managed cyber security services help to preserve the effectiveness of the investments you've already made by maintaining and monitoring your security posture in an ever-evolving threat landscape.

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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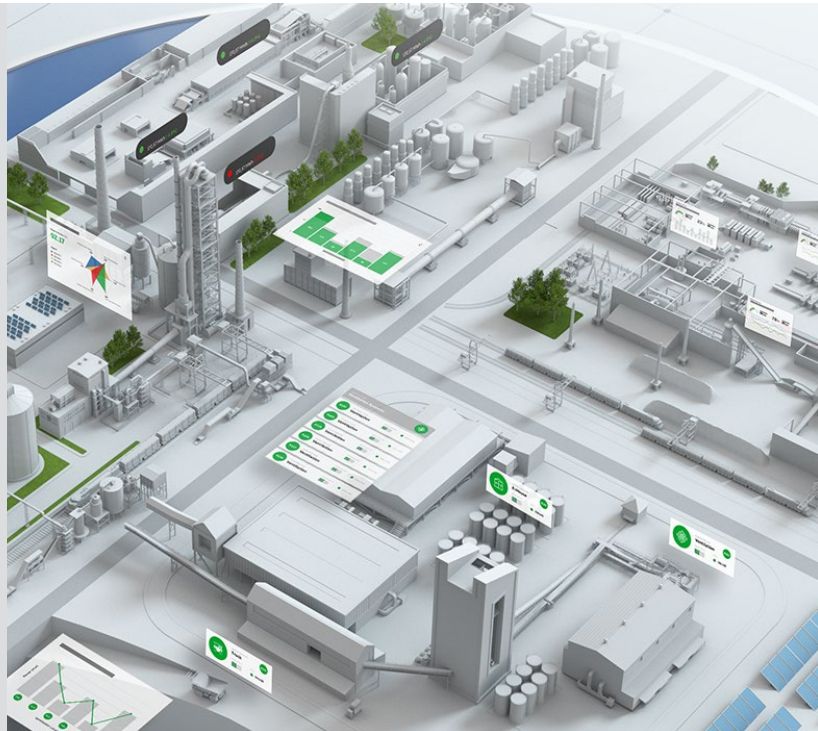
Contact an ABB Expert

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