



The Cyber Risk Benchmark Program from GE Digital

Strengthen your OT security posture

Understanding risk in an operational technology environment

With the introduction of the Industrial Internet, organizations are increasingly connecting operational technology (OT) to other systems, including a variety of enterprise IT networks. While this new and expanding “cyber meets physical” connectivity promises great rewards—productivity gains, performance optimization, and reduced costs—it’s not absent of risk.

Industrial control systems (ICS), critical infrastructure, and other OT environments must maintain certain levels of availability, productivity, and safety. Any kind of disruption or downtime from a cyber incident—whether malicious or accidental—can be costly on many levels.

That’s why it is crucial to have a clear understanding of your OT security posture. Specifically, you need an understanding of the current state of how your people, processes, and technologies interact to create a resilient security posture. In doing so, not only will you be able to maximize the potential rewards of heightened connectivity, but you’ll also be able to ensure your business continues to run safely and smoothly.

Designed to enhance awareness and diminish uncertainty, the Cyber Risk Benchmark Program from GE Digital offers a maturity assessment of your security practices and technologies, uncovers vulnerabilities across your control systems, and provides insight and guidance on ways to strengthen your overall cyber security posture.

Visibility into your cyber risk posture is the first step

In a critical infrastructure environment, the greatest risk is not knowing the extent to which you are vulnerable to threats. Unfortunately, many organizations are unaware of the nature and extent of the risk within their OT environment.

The Cyber Risk Benchmark Program is designed to heighten awareness and identify low-hanging opportunities to harden your attack surface across people, process, and technology. Following the survey, you’ll receive an evaluation of your security in the areas of people, processes, and technology, as well as an overview of your current cyber security readiness.

And because the program is founded on a decade’s worth of ICS and OT site and technology assessments, we can provide insights into how your organization measures up against standardized industry benchmarks.

01 Business challenge

The industrial sector has become a prime target for cyber attacks. Whether through malicious outsider intent or accidental insider actions, critical infrastructure is at risk of infiltration, infection, and disruption.

Many organizations are unfamiliar with new and intensifying risk landscapes, and lack the necessary awareness of their unique cyber security posture. Or, they may simply be uncertain as to how to best apply cyber security practices within their own environments.

02 Solution

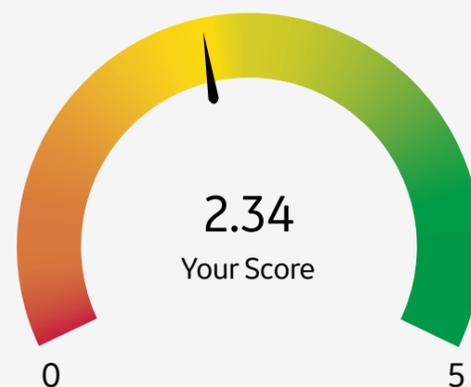
The Cyber Risk Benchmark Program was developed to provide visibility and minimize variability. It benchmarks your current cyber security practices against industry standards to help you understand your readiness for a cyber incident.

03 Benefits

- Increase understanding of your cyber risk profile
- Identify gaps in your security strategy
- Improve internal communication of
- OT security
- Strengthen your cyber resilience

OT cyber attack resilience

Based on your responses, we have developed an overall resiliency score for your organization. In the chart below, you can see where you stand today relative to the industry average. We also include a recommended state of preparedness for an OT cyber attack or incident.



General OT cyber readiness score against all respondents in all industries and geographies.



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Features

- Custom baseline report of your cyber awareness and security process maturity
- Comparison to industry composite benchmark
- Top-level recommendations for key areas of concern

Cyber Risk Benchmark

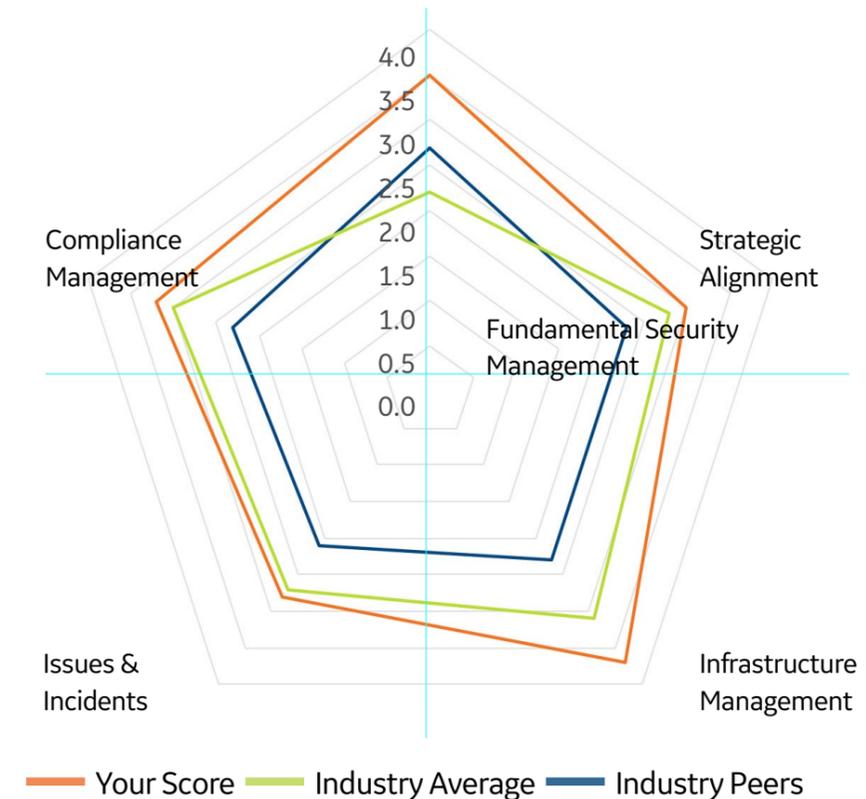
The Cyber Risk Benchmark begins with a multi-tiered survey across technical, engineering, and executive stakeholders. The survey provides insight into your current security posture based on five core pillars of a successful security strategy:

- Fundamental security management addresses the functions that must be in place for operational security risk management to be successful
- Strategic alignment covers the functions that drive effective OT security risk management
- Infrastructure management comprises all of the tactical building blocks required to ensure effective risk management
- Issue and incident management relates to the functions that manage security events when they arise, help recover from them, and ensure knowledge transfer of lessons learned
- Governance and compliance management deals with the functions needed for security measures to respond to regulatory, financial, and business requirements

Your survey findings comprise a snapshot of your security posture and is rated against both industry standards and peer averages—giving you a deeper perspective on where you stand today. Our experts also define a baseline of your current state of security readiness for a cyber incident by identifying areas of concern and providing recommendations on initial steps you should consider to improve your security readiness.

The Cyber Risk Benchmark takes into consideration input from executives, plant management, and operators in your organization. The comparison across roles provides valuable insight into potential communication lapses that could hamper security measures.

Results by maturity category



A quick at-a-glance view of your readiness vs. peers in your specific industry sector, as well as against the GE Digital recommended readiness for each category.

GE digital can help improve your security posture and succeed in today's digital industrial landscape.

LEARN MORE

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Services

In the world of Industrial Internet of Things (IIoT), organizations are able to optimize productivity, reduce costs, and achieve Operational Excellence. No matter where you are on your IIoT journey, GE Digital has the right services offering for you.

[Advisory Services](#) We can help you plan and start your IIoT journey in a way that aligns to your specific business outcomes.

[Managed Services](#) We can help you maintain your critical machines from one of our remote locations around the world using model-based predictive-analytic technology.

[Implementation Services](#) Our experienced global automation partners can implement a collaborative, multi-generational program that marries your existing investments to the right enhancements and technology.

[Education Services](#) We specialize in education services to ensure that you're leveraging our solutions to the fullest extent with our training and certificate programs.

[GlobalCare Support Services](#) Let us help by ensuring that your business continues to operate at its highest efficiency, all while mitigating risks to your investments.

[Cyber Security Services](#) Our solutions provide industrial-grade security for a wide range of OT network and application topologies.

Related products

GE Digital's OT cyber security suite helps protect industrial and healthcare companies against misconfigured devices and unplanned downtime due to cyber incidents. We can help you test, certify, and secure industrial connected devices, applications, and processes.



[Achilles Test Platform](#) →

Build in product security. Achilles Test Platform discovers vulnerabilities and faults to be reproduced, isolated, identified, and resolved before product introduction.



[OpShield](#) →

Designed to help protect critical infrastructure and controls network by defending the processes, communications, and assets that underpin your control strategy.

PREDIX

[Predix](#) →

Innovate and transform your business with the cloud-based operating system for the Industrial Internet, purpose-built for industry.

Continue your IIoT journey

Transforming your business requires innovative foundational solutions that lay the groundwork for optimized performance.



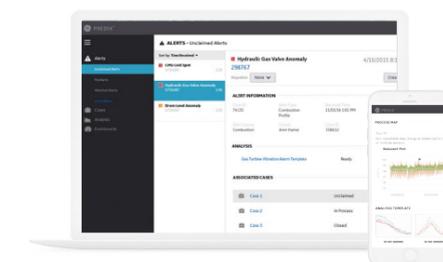
[Historian](#) →

Optimize asset and plant performance through time-series industrial data collection and aggregation, leveraging Predix IIoT connectivity.



[iFIX](#) →

Gain visibility into your operations and secure agility for smarter decision making that drives results.



[Asset Performance Management](#) →

Move from reactive to proactive maintenance to reduce unplanned downtime, minimize maintenance costs, improve efficiency, and extend asset life.

About GE

GE (NYSE: GE) is the world's Digital Industrial Company, transforming industry with software-defined machines and solutions that are connected, responsive and predictive. GE is organized around a global exchange of knowledge, the "GE Store," through which each business shares and accesses the same technology, markets, structure and intellect. Each invention further fuels innovation and application across our industrial sectors. With people, services, technology and scale, GE delivers better outcomes for customers by speaking the language of industry.

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