

SECURING INDUSTRY IN THE DIGITAL AGE

wurldtech[™]
A GE Company

KEEPING UP WITH INDUSTRIAL CHANGES

The explosion of newer, smarter and more connected devices is driving the evolution of the digital economy. It's an economy built on innovation, fueled by information, and powered by the leaders of industry.

To keep pace with growing demand for increased production, greater efficiency and cost control, industrial organizations are extracting significant value by integrating operational technology systems with enterprise IT systems.

This technology-forward approach is creating leaner, more nimble “digital industrial” companies.

The power of one percent.

GE data suggests that over the next 15 years, a mere one percent improvement in industrial productivity could lead to billions of dollars in savings for the industrial sector. This translates to \$8.6 trillion in gains by 2025.

Connectivity offers the key to that improvement.

If it's connected, it needs to be protected.

To varying degrees, all industrial environments are connected. From a single remote connection on an oilrig, to a fleet of sensors across a smart grid, operational equipment is communicating – device to device and across the operational technology (OT) network.

While many OT networks may be viewed as closed systems, the installation of new controllers, upgrades to existing assets and integration into broad IT networks introduces new risk.

In the rush to extract value from advanced technology, production environments often overlook the serious implications of a cyber security incident.





Whatever the scenario, the value of connected industrial devices can be high, but the risks—to uptime, productivity and safety—warrant careful planning and attention to cyber resilience.

OT-specific, cyber security solutions are the key to success.

Wurdtech is a recognized leader in OT security, and can help you plan for cyber readiness, implement processes and technologies, and continuously monitor for cyber disruption.

Digital industrial business is here

You can capture the benefits of digital production environments in a secure way that helps you ensure availability and protect your people and equipment.

At Wurdtech, we help you take control. Our industry-leading technology helps you drive asset uptime while protecting operational integrity and quality. Our security consulting services help you understand your risk, improve security awareness, and implement the right controls.

Let us help you realize the productivity gains expected from digital technologies by 2025.

MEETING YOUR OPERATIONAL DEMANDS

In the world of information security, the triad of confidentiality, integrity, and availability is paramount.

But, when it comes to security for operations, things are different. In OT, the top priorities are safety and availability. That's because when it comes to securing control systems and critical assets-- such as turbines, generators, and medical devices—so much more is at stake.

Worldtech's OpShield cyber security solution delivers better resilience for the networks that host control systems and connect critical assets, driving uptime, availability, and production.

OpShield inspects communications and commands on the OT network, providing visibility into what's happening in your controls network. This unique inspection technology lets you see and apply policy down to the command and parameter level.

OpShield enforces policy across the OT network, letting you easily create and apply rules for all processes you define. Using advanced network communications whitelisting, OpShield helps ensure processes execute exactly as they are defined to execute and remain protected against unauthorized actions.

OpShield protects control systems and assets to ensure integrity and continuity of operations. OpShield can alert and block malicious activity, and it can help avoid costly errors that lead to unplanned downtime.

OpShield lets you inspect, enforce, protect and implement without disruption-- without network re-engineering, and without a hassle.





OPSHIELD

TURN IT ON TODAY. SLEEP WELL TONIGHT.

Built for operational technology and delivered as a modular solution, OpShield provides defense in depth, guarding against cyber threats, maximizing uptime, and scaling to accommodate complex networks in harsh ICS environments, including SCADA and DCS.

So easy to install, with no network re-engineering or disruption required, you can turn it on today, and sleep well tonight.



COMMUNICATIONS BASELINE

Establish a baseline and gain visibility into communications within and between your critical assets and control systems.



PROTOCOL INSPECTION ENGINE

Inspect and enforce policy using deep inspection of protocols, down to the command and parameter level.



VIRTUAL NETWORK SEGMENTATION

Segment your controls network without configuration changes thanks to drag-and-drop virtual zoning.



NETWORK COMMUNICATIONS WHITELISTING

Ensure that only those processes approved to execute actually get executed. Nothing else. No exceptions.



VULNERABILITY PROTECTION PACKS

Leverage Wurdtech's vulnerability protection packs to protect against threats and exploits.

ACHILLES. SECURITY STARTS WITH RESILIENT DEVICES.



Safety and security come first in the industrial sector. That means making security a priority during the device and system design phases.

The Achilles Test Platform enables device manufacturers to test for communications robustness. It provides the means to conduct comprehensive quality testing from start to finish of the product development lifecycle so you can monitor both network and operational parameters and help diminish your products' exposure to cyber attacks.

With Achilles Test Platform, you can discover vulnerabilities, and reproduce, isolate, identify, and resolve faults before you introduce your products to the market. The result? You save time and money, and enhance your product reputation.





CERTIFIED DEVICES PROMOTE CONFIDENCE.

The Achilles Communications Certification provides an industry-leading benchmark for the secure development of critical infrastructure applications, devices and systems.

The certification process validates the network and operational robustness of industrial devices, and ensures devices and systems meet a comprehensive set of network resilience and communications requirements.

BENEFITS FOR DEVICE MANUFACTURERS

- Certifies device reliability and integrity, reducing the risk of experiencing a costly field issue
- Reduces requirements for patch distribution and customer service, and increases customer retention by avoiding quality problems
- Differentiates products from non-certified competition

BENEFITS FOR OPERATORS

- Globally-recognized benchmark facilitates communication and understanding of network robustness expectations
- Reduces costs associated with competitive vendor comparisons of system robustness and security
- Ensures systems and networks meet current and emerging international cyber security standards and government regulations

OUR SERVICES APPROACH

Worldtech offers a lifecycle-driven approach to security that helps industrial device manufacturers and system operators understand and limit operational risks, design effective cyber security strategies, and deploy the right operational resilience measures to protect people, processes, and technology.

SECURITY HEALTH CHECK SERVICES

Measure the pulse of your current security posture and identify immediate threats.

SECURITY ASSESSMENT SERVICES

Address critical vulnerabilities and long-term security improvement needs.

SECURITY TRAINING SERVICES

Arm your executives, operators, and developers with cyber security knowledge and skills to combat real-world OT threats.

SOFTWARE SECURITY SERVICES

Mitigate software vulnerabilities prior to exploitation.

DEVICE SECURITY SERVICES

Address device design flaws and reduce the risk of business disruption.

SECURITY CERTIFICATION SERVICES

Ensure security controls and processes meet or exceed industry, legal and regulatory benchmarks.





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FOR GROUND
TEST ONLY



THE CONFIDENCE TO CONNECT

The Industrial Internet brings great promise for operational productivity and data-driven efficiency. It also brings the potential for new and greater threats—driven by increased connectivity, advanced technology and the Internet of Things.

To better manage the risk associated with these threats, industrial organizations can turn to Wurdtech to help build security in, validate and certify for security and operate processes securely.

Wurdtech was born with an industrial mindset, and we know what it means to operate and protect OT environments.

Our customers—across industries like oil and gas, transportation, utilities, healthcare, and more—benefit from our operational cyber security expertise. Wurdtech, a GE Company, helps you harden your security posture and prepares you to succeed in the digital industrial landscape. We understand operational technology like no other, which means we can help protect you like no other.



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