



GRID
AUTOMATION
SERVICE

HITACHI
Inspire the Next



Enabling smarter system protection

Cybersecurity Care

Three steps to cybersecurity vigilance

Helping to defend your grid automation systems.

Every grid automation system is potentially out of date and constantly needs maintaining and updating. By not updating your system you leave yourselves exposed to attack, the threat exponentially increases the longer the system is not maintained and updated.

Hitachi Energy, Grid Automation Service offers a three-step approach to cybersecurity to help defend your systems:



Assess

To begin the process Hitachi Energy carries out a cybersecurity assessment to help you understand how to improve security throughout your system. A detailed cybersecurity assessment report is then produced and provided to you along with a set of recommended actions for improved cybersecurity.



Sustain

By appointing Hitachi Energy as your cybersecurity partner; you enter a care agreement which ensures you benefits not only from our huge domain expertise across the globe but also your system will be regularly assessed by the cybersecurity care team for any potential cybersecurity infringements. This ensures a long term approach is taken to ensure sustained cybersecurity vigilance.



Implement

We provide recommended actions for you to implement based on the cybersecurity assessment and our experts domain expertise. Upon agreement we implement the recommendations to your system, ensuring your system is more secure.



Six layers of protection

Delivering better cybersecurity via defense in depth.



Security assessment & monitoring

Unique security assessment solutions

Assessment and monitoring services for system software, system hardware and communication networks are fundamental in order to keep a system constantly secure. Overseeing the cybersecurity status of your system, we collect system data for comparison against industry best practices and standards to detect weaknesses within your system's defense. This pinpoints areas that require action to help protect your system by ensuring it has multiple layers of security.



Backup & recovery

Preserving the past for a rapid response to tomorrow's challenges

If the worst does happen, and cyber-attack or natural disaster strikes, then the security of an off-site backup will make recovery that much easier. Our backup solutions can ensure the integrity, and availability, of critical data, no matter what happens to the original.



Malware protection

Evolving protection against sophisticated threats

Our substation automation systems can be equipped with industry-standard malware and intrusion protection solutions, like anti-virus protection and application whitelisting.



Security updates & hardening

Effortlessly updating and improving your system

Modern operating systems and embedded software often need to be patched to defend against emerging threats. Efficient patch management is an essential part of any security policy, but one that is often neglected. Products can be made significantly more robust by closing ports and services that are not in use. Our products have been systematically hardened to ensure that the products are robust against attacks and perform their main function.



Procedures & policies

Educating and supporting system users

Cybersecurity will always be a challenge on a global scale; no single solution can keep increasingly interconnected systems secure, so Hitachi Energy works with customers to understand your processes and procedures, group security policies and computer settings to create a defense-in-depth approach where multiple security layers detect and deter threats – if, where and when they may arise.

We follow international standards like IEC 62443-2-4 and ISO 27001 to ensure secure delivery of systems and services.



Perimeter protection

Constantly vigilant for attacks and breaches

Firewalls can protect the perimeter of a network and a well-designed security policy will separate the network into distinct, controlled zones, protected by internal firewalls to ensure that a compromised server doesn't mean compromising the entire network.

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