HIMA | SMART SAFETY.

SIS Security Check

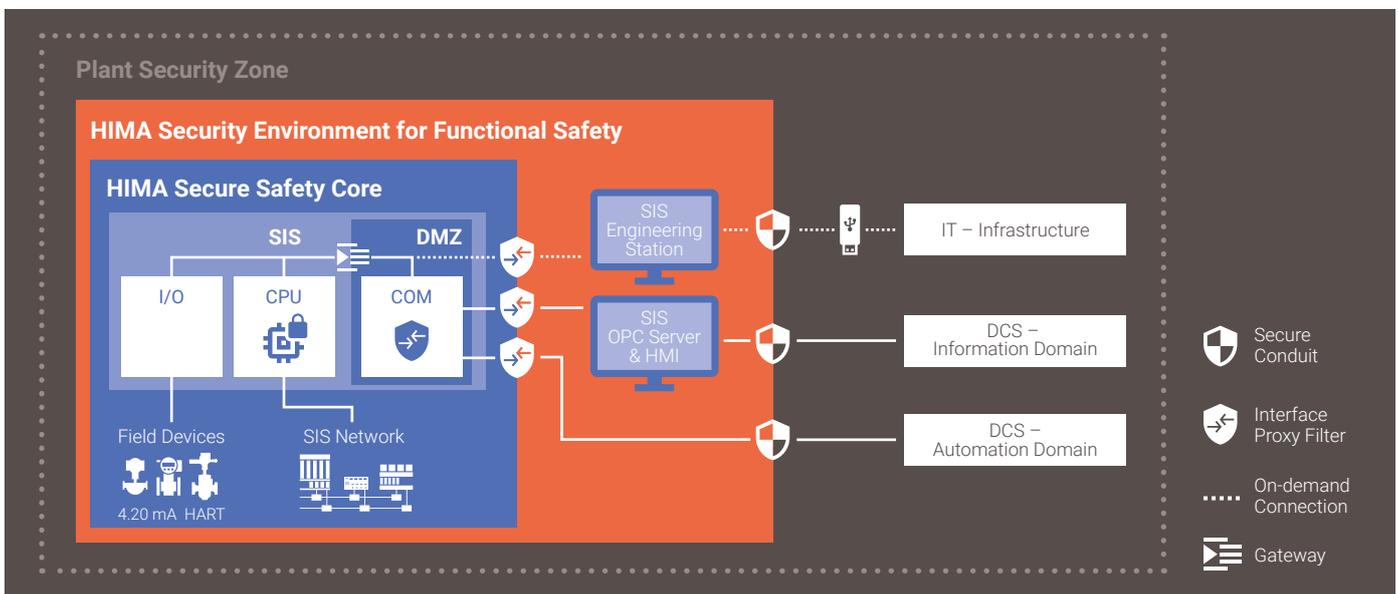# Examine the Status of Your SIS Security

Don't Leave Safety to Chance

As digitization takes hold in the process industry, plants are becoming increasingly complex. At the same time, there is a growing risk of cyberattacks. Automation security flaws and vulnerabilities could have a negative impact on the safety of your plant. Therefore, functional safety and automation security can no longer be treated separately – they require a holistic approach. Cybersecurity is now a key consideration in the configuration and management of your safety instrumented systems (SIS).

To reflect this new reality, the regulations governing safety and automation security are changing. For example, IEC 61511 Edition 2 requires plant operators to assess security vulnerabilities in systems and networks and set out countermeasures against identified threats. Plant operators are responsible for

SIS security – however, it is often difficult to find the time and resources to fulfill the requirements. After all, security checks are not a one-off task; they need to be conducted regularly.

HIMA provides a service to support you with this task: the **SIS Security Check**. This is an on-site assessment for HIMA Safety Systems performed by experienced, independent safety specialists who check your security procedures, SIS configuration, and network components. You receive a clear overview of the status of your assets and the possible impact of security risks and vulnerabilities. With this knowledge, you gain the ideal foundation to implement appropriate security measures, reduce risk, and achieve compliance with safety and security regulations.

HIMA SIS Security Concept – Zones and Conduits

As part of the SIS Security Check, your security environment will be aligned with the HIMA reference architecture.

Gain an Overview of Your SIS Security Status

The SIS Security Check from HIMA is an on-site assessment performed by safety specialists who are trained in automation security. Experts visit your plant to conduct a basic check of your security policies and procedures. At the end of the assessment, you receive a security report with specific recommendations for improvement, forming the basis for future security risk assessments.

What's Included in the Service?

SIS and SIS-related components are checked against HIMA security recommendations. These can be divided into four security-relevant checks:

- Basic checks covering documentation and organizational procedures
- SIS checks covering SIS configuration and SIS application
- PC checks covering SIS engineering and OPC server configuration
- Network checks covering network infrastructure and components

How Is the SIS Security Check Performed?

To ensure the check is carried out effectively, a workshop takes place either on site or via a web meeting. This aims to clarify the required personnel, system access, and documentation. After defining a time schedule together with you, HIMA safety specialists conduct all the above-mentioned security checks. Once all relevant checks have been performed, HIMA supplies an SIS Security Check report, including recommendations for improvements.

What You Receive from the Service

Once the SIS Security Check report is finalized, our experts discuss the results with you on site or in a web meeting. The report will provide you with valuable information to help increase SIS resistance against security threats. You gain a clear overview of SIS zones, conduits, and possible security vulnerabilities, which gives you a solid foundation for security improvements and future automation security risk assessments.

Relevant Standards

- IEC 62443 / IEC 61511 Edition 2
- ISO/IEC 27000 series
- BSI ICS Security Compendium
- NA 163

Benefits

Gain a clear overview of your current SIS security status

Receive the basis for compliance with relevant standards such as IEC 62443 and IEC 61511 Edition 2

Manage risk and reveal undetected vulnerabilities

Utilize the expertise of independent safety specialists

Do you have questions concerning our HIMA services and SIS Security Check? Our service experts would be pleased to respond to your email or your call.

Please find your local contact here:
www.hima.com/en/about-hima/contacts-worldwide

Visit our website for more information about HIMA Safety Lifecycle Services for safety and security:

🌐 www.hima.com/en/products-services/why-hima-services

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