



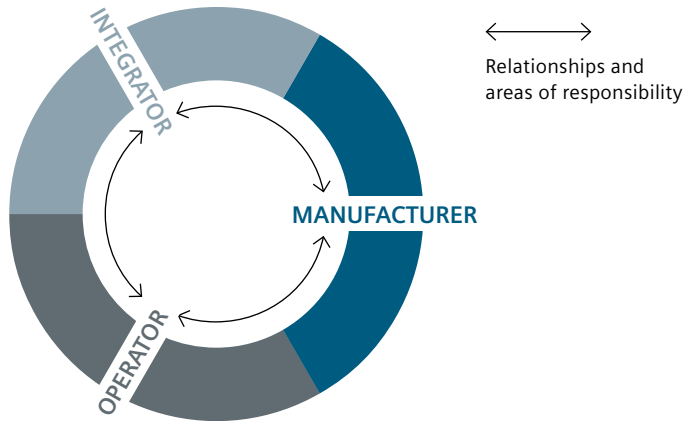
# Protecting productivity

Industrial Security

[siemens.com/industrial-security](https://www.siemens.com/industrial-security)

# Security requires strong partners

Integrators, operators and manufacturers all contribute to IT security measures in the design and operation of automation processes and systems. Transparency among partners is essential here.



# Transparency for machine manufacturers, integrators, and operators

## **TÜV Süd certificate based on IEC 62443**

provides integrators and operators transparent insight into the IT security measures at Siemens and confirms security in the development process for automation products.

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**Security by  
design**

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**Security verification,  
validation,  
and testing**

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**Security update  
management**



# SIMATIC PCS 7 process control system

## **TÜV certification according to IEC 62443-4-1/-3-3**

For applications in process automation Siemens offers comprehensive security measures for securing plant operation as well as manifold security functions within the process control system.

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**Defense-in-depth  
security concept**

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**Multi-level user  
authentication**

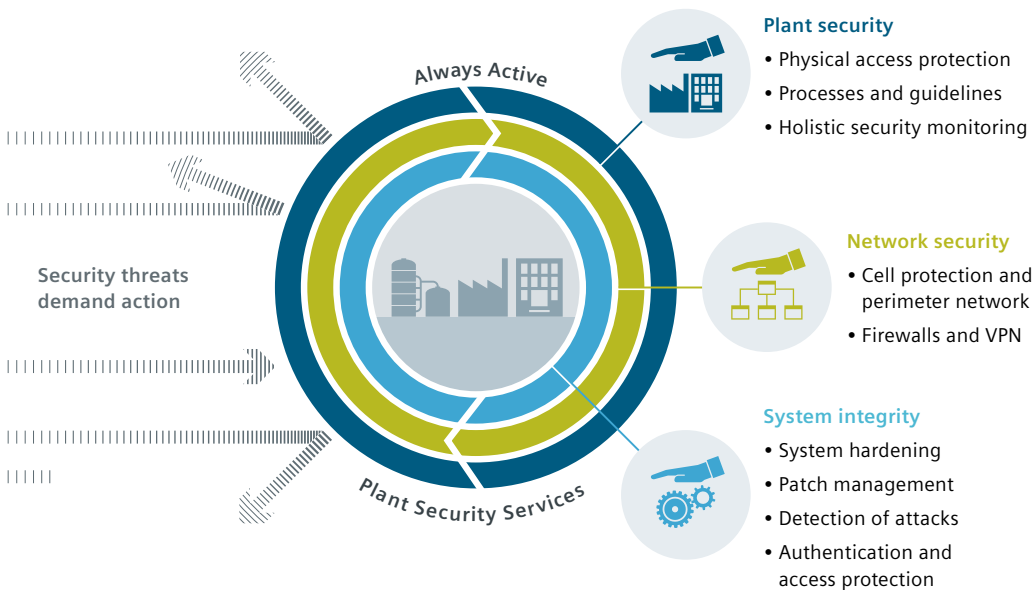
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**Security events  
on the controller  
level**



# Defense in depth –

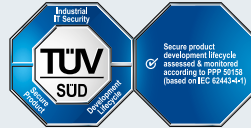
Comprehensive concept according to IEC 62443 recommendations



# Granted certifications

## Development process

- Certificate based on IEC 62443-4-1 for security during the development processes of the DF and PD Divisions



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## TIA Ethernet-based devices, such as SIMATIC S7-1500, S7-1500S, S7-300, SCALANCE S CP343-1

- Protection against DoS attacks
- Defined behavior in the event of an attack
- Improved availability



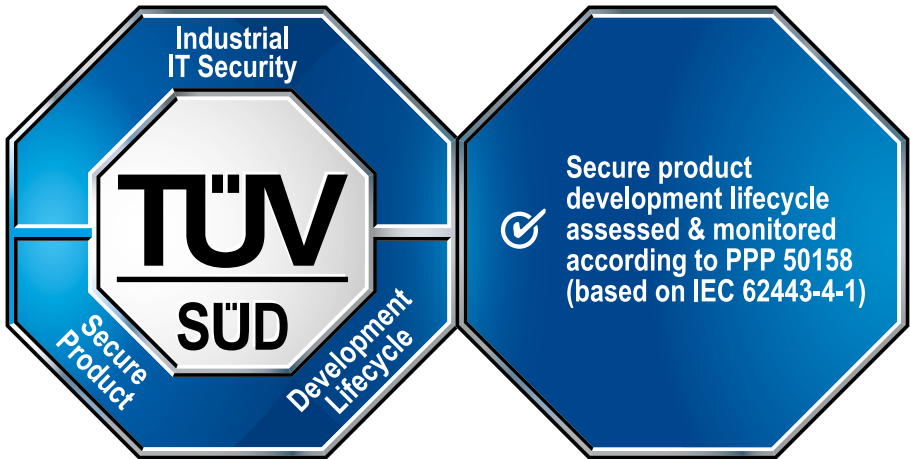
TM

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## SIMATIC S7-1500 controller/ SCALANCE XM408-8C

- First CSPN-certified industrial product (Certification de Sécurité de Premier Niveau)





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