



**SIEMENS**

*Ingenuity for life*

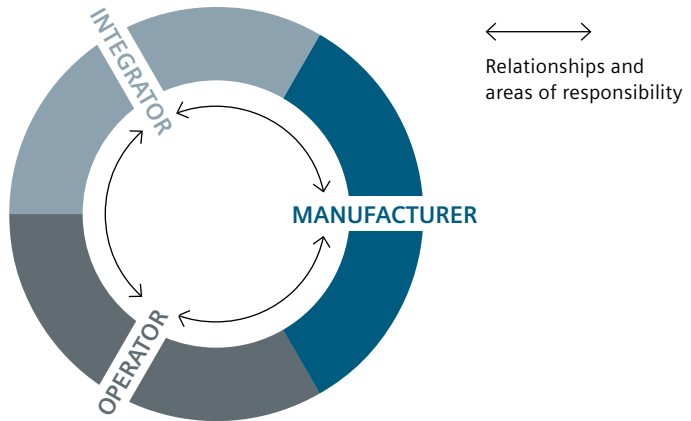
Protecting  
productivity

Industrial Security

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# 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 verifica-  
tion, 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**

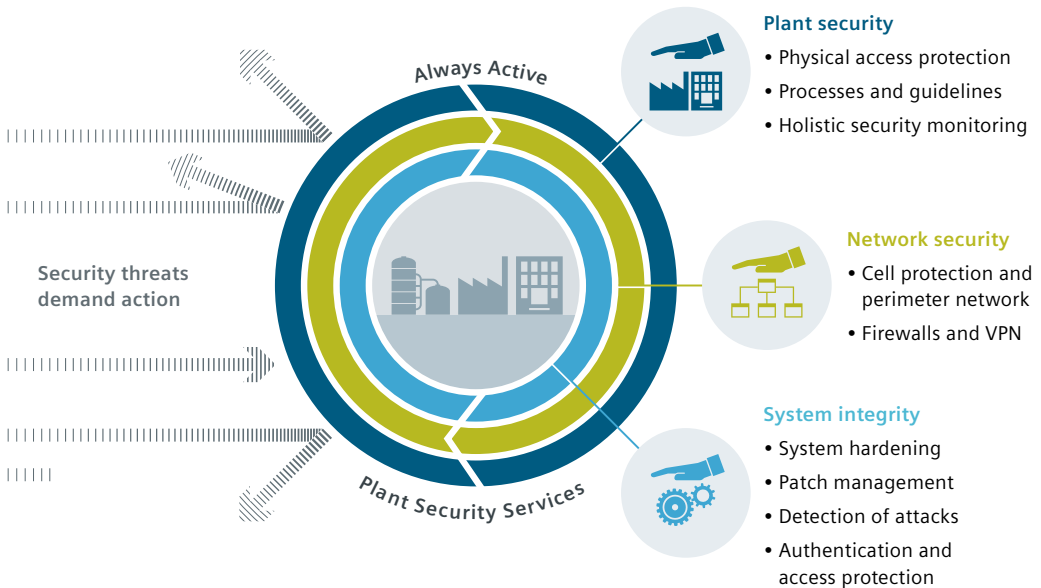
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**Security events  
on the controller  
level**



# Defense in depth –

Comprehensive concept according to IEC 62443 recommendations

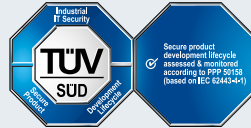


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# Granted certifications

## 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

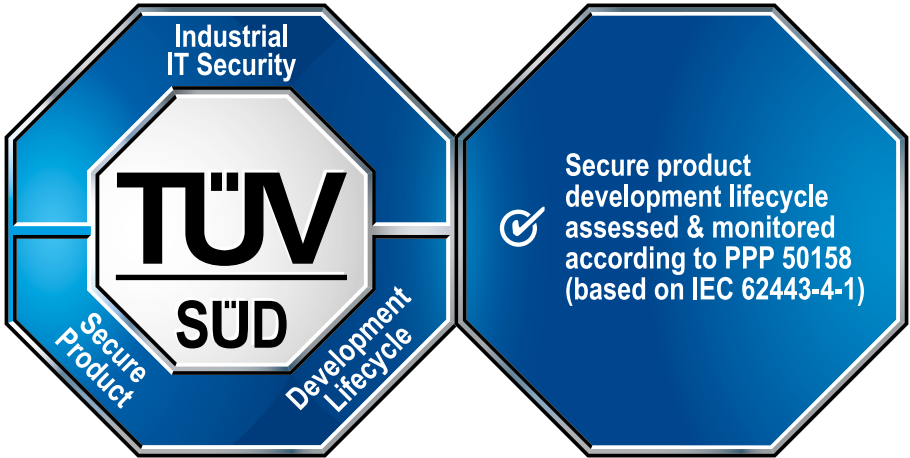


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## SIMATIC S7-1500 controller/ SCALANCE XM408-8C

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





Industrial  
IT Security

**TÜV**

**SÜD**

Secure  
Product

Development  
Lifecycle



Secure product  
development lifecycle  
assessed & monitored  
according to PPP 50158  
(based on IEC 62443-4-1)

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In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions only form one element of such a concept.  
For more information about industrial security, please visit <http://www.siemens.com/industrialsecurity>.

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