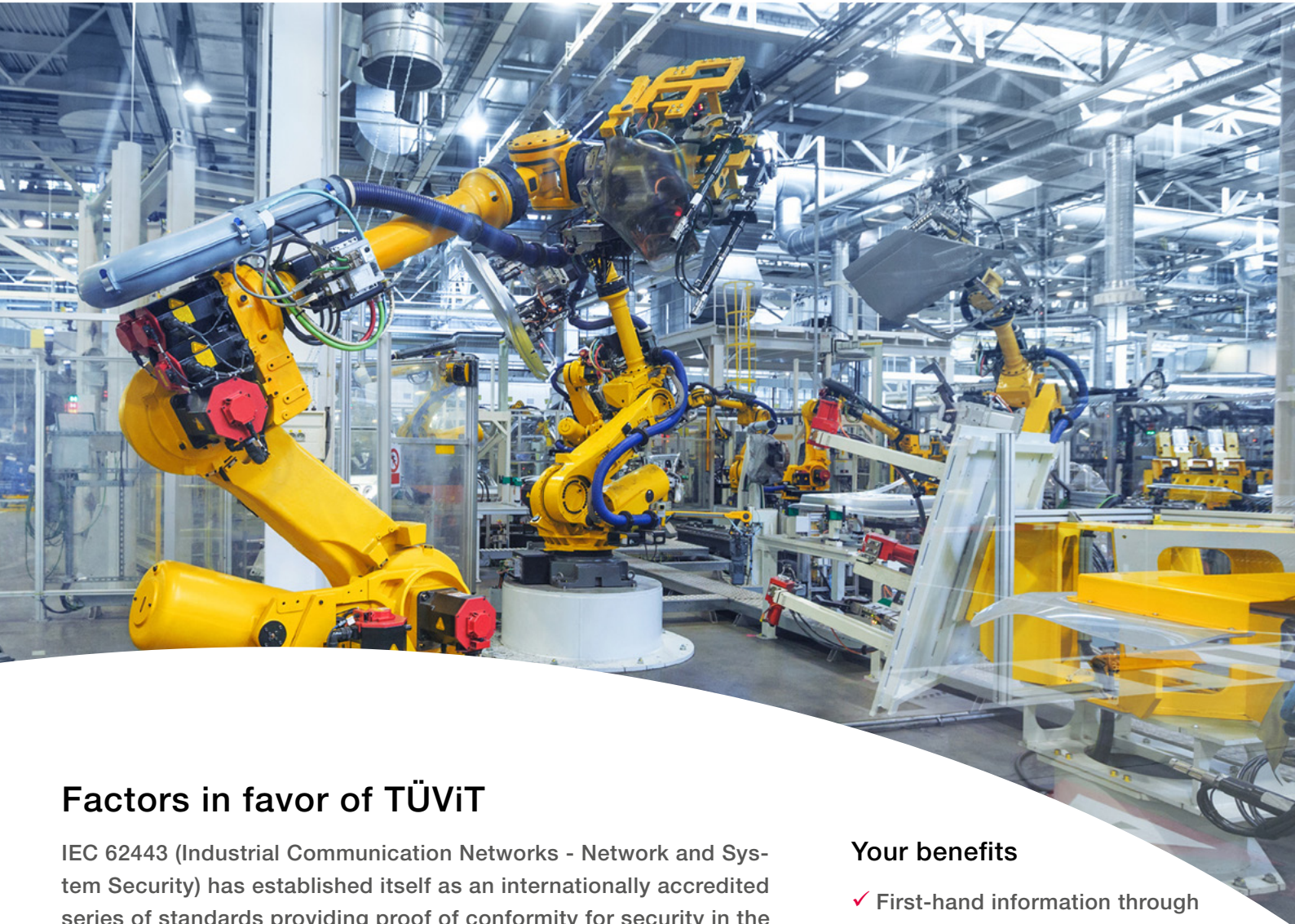


IEC 62443: Security for Industrial Automation & Control Systems



Factors in favor of TÜViT

IEC 62443 (Industrial Communication Networks - Network and System Security) has established itself as an internationally accredited series of standards providing proof of conformity for security in the environment of the process and automation industry. In addition to the classic conformity assessments in safety, performance and energy efficiency, the advancement of digitalization and the interaction between the products and the systems have also led to the topic of cyber security in the process and automation industry. IEC 62443 helps to verify that the asset owner, integrator and the manufacturer use up-to-date cyber security standards for industrial automation systems.

TÜViT is acknowledged and expertised in the area of automation and control systems security, with numerous security projects that have been carried out with the asset owners and manufacturers. These projects cover a broad range of topics, from in depth technical vulnerability analysis and penetration testing to comprehensive assessments of processes and procedures for the implementation of measures to reach conformity with the standards.

We create trust

Your benefits

- ✓ First-hand information through active participation in IEC standardization committees
- ✓ Issue of certificates according to the IEC scheme in cooperation with TÜV NORD CERT
- ✓ Smart implementation of the standard by skilled and qualified personnel
- ✓ More than 25 years of experience in security & safety

TÜV®

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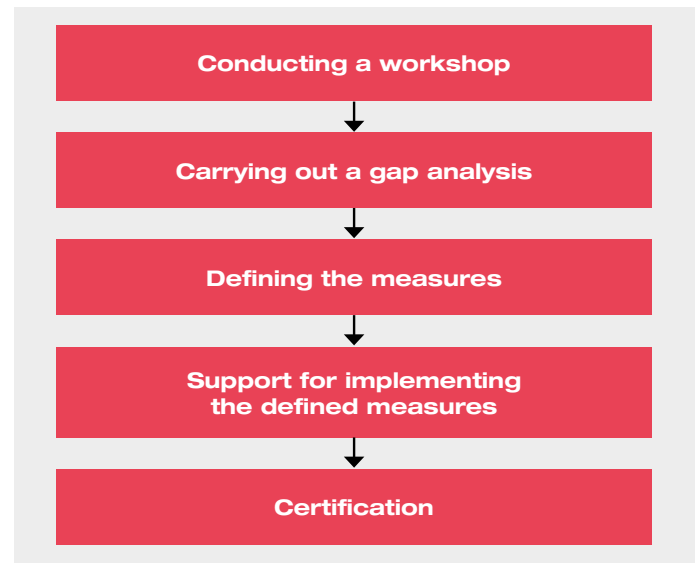
TÜV NORD GROUP

The smart TÜViT approach for IEC 62443

Our services at a glance

- Scoping workshop
- Training
- Document review
- GAP analysis for IEC 62443 conformity
- Penetration test / Vulnerability analysis
- Support for implementing optimization measures
- Continuous improvement of the security level in control and automation technology
- Certification

TÜViT focuses on modularity



IEC 62443 Series			
General	Management System	Industrial IT Security, IACS	Embedded Security, Component
1-1 Terminology, concepts and models	2-1 Establishing an IACS security program	3-1 Security technologies for IACS	4-1 Product development requirements
1-2 Master glossary of terms and abbreviations	2-2 Operating an IACS security program	3-2 Security risk assessment and system design	4-2 Technical security requirements for IACS components
1-3 System security compliance metrics	2-3 Patch Management in the IACS environment	3-3 System security requirements and security levels	
	2-4 Requirements for IACS service providers		

About us

TÜV Informationstechnik GmbH (TÜViT), a company of TÜV NORD GROUP with business activities in 70 countries worldwide, is one of the leading testing service providers for IT security. The company portfolio covers topics such as cyber security, software and hardware evaluation, Internet of Things/Industry 4.0, data privacy, ISMS, smart energy, automotive security, mobile security, eID and trust services. In addition, TÜViT audits and certifies data centers with regard to their physical security and high availability.

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