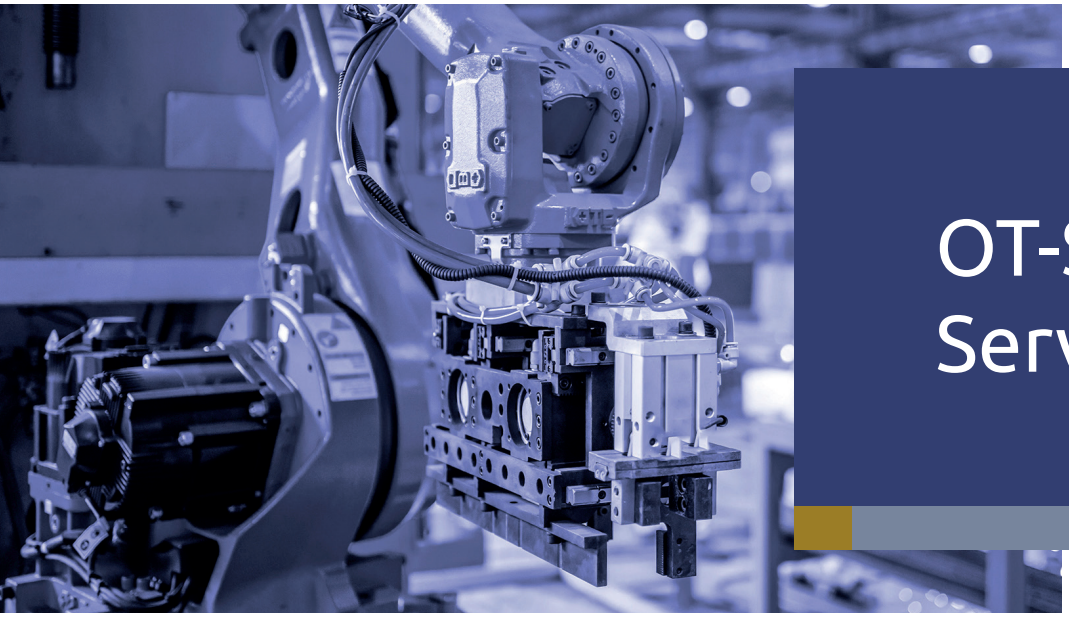


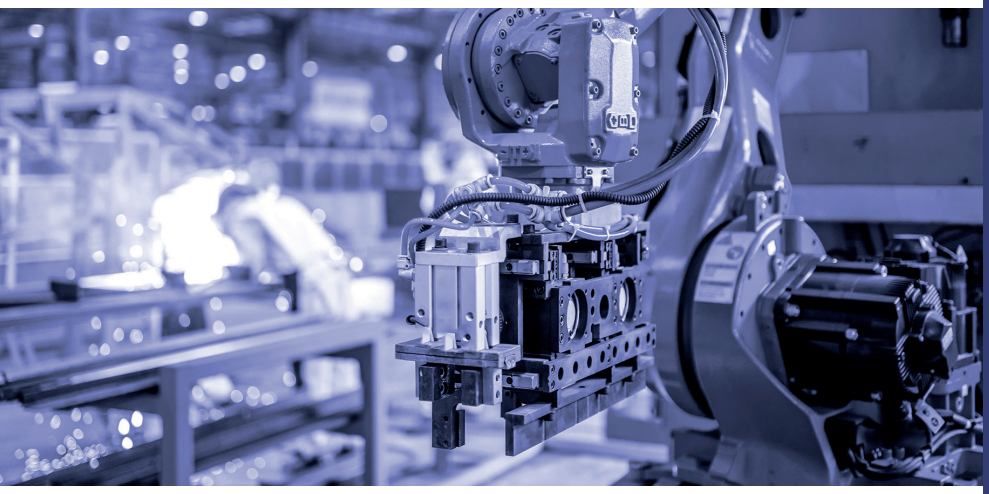
OT-Security Services

Services for OT Security Management
in accordance with current standards
and regulatory requirements

SAMA PARTNERS
THE SECURITY INTELLIGENCE COMPANY

Holistic OT security: availability, integrity and physical safety for your production environment

A secure OT environment is a basic requirement for maintaining facilities in the manufacturing industry, energy and utility companies, infrastructure operations and, in principle, for all operators of critical infrastructure. Industrial control systems, sensors and networks connect production, logistics and supply chains – but this is precisely where the risks lie: cyber attacks, performance failures and unauthorised access can lead to downtime, enormous costs and security-related consequences. Robust OT security protects processes, data, employees and the environment, minimises downtime and strengthens the trust of customers, partners and regulatory authorities. With proactive controls, segmented network infrastructure, regular backups and targeted awareness training, companies can create stable, more resilient production environments – today and tomorrow.



OT-Security and Compliance:

NIS2, as a comprehensive set of regulations, establishes a mandatory framework for cybersecurity in critical sectors. OT security is the central use case within this framework, as industrial control systems represent core infrastructure. Affected companies must identify OT-specific risks, implement appropriate security measures, and report incidents in accordance with NIS2.

Operational technology is defined as technology that interacts with the physical world and includes industrial control systems (ICS), supervisory control and data acquisition (SCADA) systems, and distributed control systems (DCS).

The classic goals of OT security are availability, integrity and confidentiality – also known as the "AIC goals". Since OT failures or malfunctions are clearly associated with physical dangers, availability has the highest priority. OT systems are a prime target for cybercriminals due to their critical nature and the potential impact of a disruption to these systems. With the increasing number and capabilities of attackers targeting OT, the need for robust cybersecurity controls is also growing.

However, the complexity, scope and long-standing existence of used OT systems, which are often outdated, frequently mean that companies do not have a comprehensive overview of their OT environment. This impairs their ability to implement effective cybersecurity measures. For secure implementation, it is therefore advisable to work with experienced security experts such as SAMA PARTNERS.

With a comprehensive range of services for OT security, we offer a structured analysis of the current situation of the OT assets in use, the identification of risks via vulnerability analyses and penetration tests, support in defining objectives and implementing the necessary measures, as well as the security monitoring of OT assets via an OT-specific Security Operations Centre.

We offer you our unreserved support in making your OT secure, available and resilient against cyber attacks.

Our range of services in the field of OT security

1 Management Services

With our management services for OT security, we provide everything you need to establish an organisational structure and security management system in line with the latest regulatory requirements and standards.

- Establishment of strategic OT security management
- Role and authorisation management and establishment of an OT security organisation
- Creation of operational security concepts in OT environments
- Review, development and revision of guidelines and processes
- Governance and control of industrial cyber security
- Introduction and adaptation of surveillance/monitoring systems

2 Assessment Services

Our assessment services support you in recording and evaluating all OT assets. We also analyse risks and vulnerabilities and provide recommendations for action and measures for further consideration.

- Recording of all relevant OT assets in the company
- Analysis of the OT security situation in relation to the affected company
- OT risk and vulnerability assessment
- OT security maturity analysis for recommendations for action/measures
- Identification of security audits for industrial systems

3 Penetration tests and vulnerability analyses

We conduct penetration tests, vulnerability analyses and simulated attacks on your OT environment to identify risks and necessary measures.

- Security testing of industrial systems
- Simulated attacks on OT infrastructures
- Concept development taking into account the impact on the OT environment
- OT penetration tests & vulnerability analyses
- Risk assessments and identification of measures

4 Operative Services

The introduction and implementation of operations in accordance with technical OT security measures is covered by our Operative Services, as is the design and execution of audits.

- Implementation of measures following risk assessments
- Introduction and operation of technical OT security measures
- Implementation of OT security controls
- Operational support for OT security solutions
- Implementation and lifecycle management of OT security measures

5 OT-Security Operations Centre

Through our Security Operations Centre, we offer solutions specifically for monitoring OT environments. We can also assist with the implementation and commissioning of your own OT SOC.

- Security Operations Centre for OT environments
- OT-SOC: Real-time monitoring and response
- Industrial Cyber Defence Centre
- OT-specific security monitoring

6 Awareness and training programmes

With our own SAMA Academy, we offer various training courses on the topic of OT security.

- Training for OT personnel and managers
- Awareness of threats and best practices
- Practical exercises and emergency training

We Keep Threats At Bay.

Cybersecurity is not a short-term fad, but a fundamental prerequisite for the economic success and sustainable existence of a company.

We help you prevent cyber attacks, strengthen your cyber defences and achieve a high level of maturity in the area of cyber security.

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