

Atos OT Security

Protect Your Critical
Infrastructure from
Cyberattacks



Atos

Atos OT Security: Protect Your Critical Infrastructure from Cyberattacks

Secure your OT environment with tailored solutions that enhance operational efficiency and ensure compliance.

Operational technology (OT) powers the backbone of critical industries like manufacturing, energy, and healthcare. However, the rising tide of cyberattacks makes OT an increasingly vulnerable target. Atos OT Security safeguards your mission-critical systems while ensuring optimal efficiency, reliability, and safety. Our deep OT expertise and cutting-edge technologies provide tailored solutions that address your specific needs.

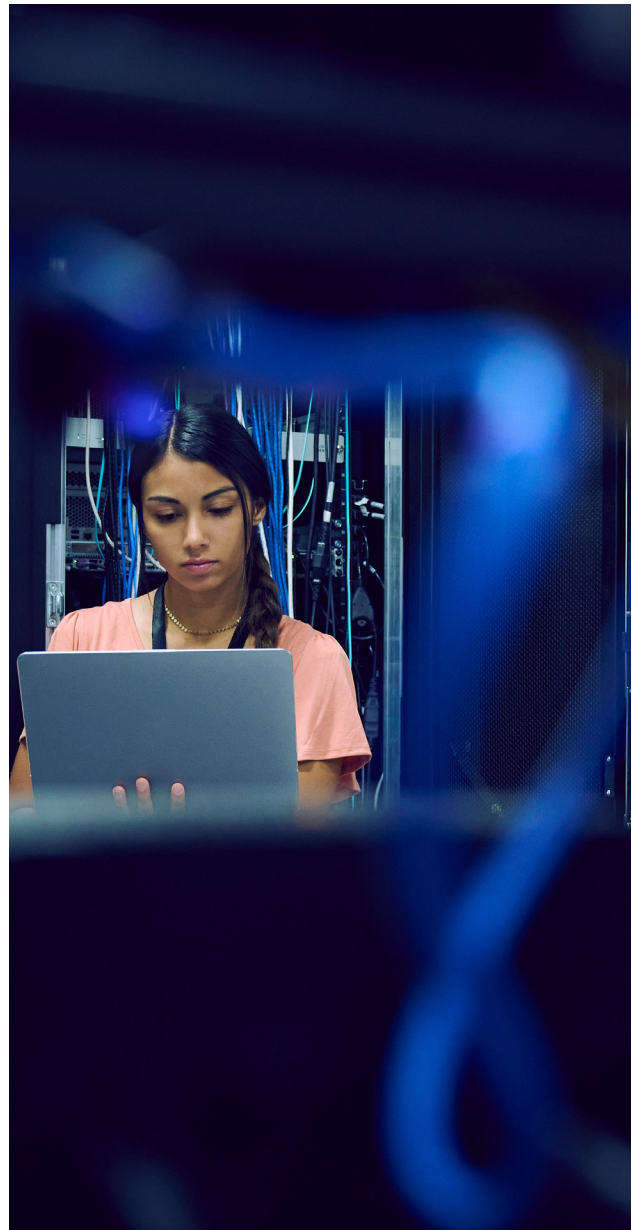
The OT Cybersecurity Imperative

OT systems are essential for the production and delivery of goods and services that we rely on every day. They control physical processes, such as temperature, pressure, and flow, in industrial environments. They also monitor and manage critical infrastructure, such as power grids, water plants, and transportation systems.

However, OT systems face growing cyber threats from various actors, such as nation-states, cybercriminals, hacktivists, and insiders. These threats can have severe consequences, such as disrupting operations, compromising safety, damaging equipment, stealing data, and extorting ransom. According to a recent report by IBM, OT attacks increased by over 2000% in 2020, and ransomware was the most common attack vector.

Moreover, OT systems are becoming more exposed and interconnected due to the convergence of OT and IT, the adoption of IoT devices, and the emergence of cloud and edge computing. These trends create new attack surfaces and increase the complexity of OT security. At the same time, OT systems often lack adequate security measures, such as patching, encryption, authentication, and logging. This is because they were designed for functionality and availability, not security. Additionally, OT systems are subject to strict regulatory and compliance requirements, such as ISO/IEC 27001, NIS2 Directive, NERC CIP, IEC 62443, and NIST CSF, which add to the security challenges.

Therefore, OT security is not only a necessity, but also a competitive advantage. By securing your OT environment, you can protect your reputation, assets, and customers, as well as optimize your operations, reduce costs, and increase productivity. To achieve this, you need a partner who understands your OT landscape and can deliver solutions that are tailored to your industry and needs.



The Atos Advantage

Atos is a leading provider of OT security solutions that help you protect your critical infrastructure from cyberattacks. We have over 20 years of experience in OT security, working with clients across various sectors, such as energy, manufacturing, healthcare, and transportation. We offer a comprehensive portfolio of services that cover the entire OT security lifecycle, from assessment and design, to implementation and operations, to staff training and support. We also leverage our partnerships with leading OT security vendors, such as Nozomi, Tenable, Fortinet and Claroty, along with Wallix and Cyberark for OT PAM, to bring you the best-in-class technologies and tools.

What sets us apart from the competition is our tailored approach to OT security. We recognize that every industry and client has distinct needs and challenges, and we tailor the ideal security plan to meet your specific requirements. We also bridge the gap between OT and IT, ensuring that your entire organization's security works together flawlessly. Furthermore, we deliver solutions that are designed for the future of OT security, incorporating the latest innovations and best practices.

By choosing Atos OT Security, you can benefit from:



Complete Visibility and Control

Identify all OT assets, understand your network, manage vulnerabilities, and enforce strict access policies.



Proactive Threat Detection and Response

Stop OT-specific threats like ransomware and sabotage with AI-powered investigation and rapid response.



Seamless Compliance

Meet crucial standards (ISO/IEC 27001, NIS2 Directive, NERC CIP, IEC 62443, NIST CSF) with ease through automated audits and reporting.



Optimized Operations

Enhance efficiency and safety, not hinder it, with our security solutions.



Our Solutions: Tailored OT Security

We offer a range of OT security solutions that can be customized to your specific needs and goals.

Our solutions include:

OT Security consulting

Fortify your Operational Technology (OT) defenses against cyber-threats. Partner with our experts to assess, optimize, and secure your industrial systems.

Our key OT security services include:

OT Security assessment

Analyze your current OT security posture, pinpoint vulnerabilities, and receive a tailored roadmap for strategic enhancements.

OT Asset discovery and vulnerability scan

Uncover and catalog all OT assets. Conduct thorough scans to expose vulnerabilities and mitigate potential risks.

OT Security pentesting

Simulate real-world attacks on your OT systems to test their resilience and identify gaps.

Tabletop exercise

Participate in scenario-based discussions to simulate how you would respond to specific incidents or threats. Learn from our experts and improve your cross-functional coordination.



OT Security consulting



OT & IoT network security



OT access control and secure remote access



OT endpoint defense



Managed detection and Response/soc for OT



Incident response and Reporting for OT

Our OT security consulting services help you:

- Gain a comprehensive understanding of your OT environment and risks.
- Improve your OT security posture and readiness.
- Align your OT security strategy with your business objectives and industry standards.
- Enhance your OT security awareness and skills.

OT Security Implementation

Reduce OT security risks with our implementation services. We'll help you build a custom OT security architecture aligned with industry standards and your specific needs. Our focus areas include:

OT Network segmentation

Create logical zones and conduits to isolate and protect your OT assets and data flows.

OT Security tools implementation

Install and configure OT security tools, such as firewalls, intrusion detection systems, and endpoint protection, to enhance your OT security posture.

OT and IT security integration

Bridge the gap between your OT and IT security domains, ensuring a unified and consistent security policy and response.

Managed OT security

Strengthen your OT operations with our comprehensive managed security services. We leverage AI and a team of dedicated SOC experts to safeguard your environment. Our services include:

OT and IoT network security

Fortify your OT & IoT network against unauthorized traffic. Our experts detect threats, monitor your network, and optimize its performance for maximum security and availability.

OT Access control and secure remote access

Secure your OT network and maintain strict access control. We manage (privileged) user and device identities, ensuring only authorized entities access your critical assets.

OT Endpoint defense

Shield your OT endpoints (controllers, sensors, etc.) from malware, ransomware, and other threats. Monitor your OT endpoint inventory and configuration for complete control.

Managed detection and response (MDR) for OT

Harness the power of our ready to use standard use cases and available OT connectors to enable real-time OT threat detection and response. Minimize the impact of attacks, and gain insights from incident reports and actionable improvement recommendations.

Our OT security implementation services help you:

- Strengthen your OT security defenses and controls.
- Minimize the attack surface and the impact of potential incidents.
- Maximize the performance and availability of your OT systems.
- Leverage the benefits of OT and IT convergence without compromising security.

OT SOC as a service

Harness the power of our ready to use standard use cases and available OT connectors to enable real-time OT threat detection and response. Minimize the impact of attacks, and gain insights from incident reports and actionable improvement recommendations.

Our managed OT security services help you:

- Reduce the burden and cost of OT security operations.
- Benefit from the latest OT security technologies and best practices.
- Enhance your OT security visibility and intelligence.
- Focus on your core business while we take care of your OT security.

About Atos

Atos is a global leader in digital transformation with circa 82,000 employees and annual revenue of circa €10 billion. European number one in cybersecurity, cloud and high-performance computing, the Group provides tailored end-to-end solutions for all industries in 69 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is a SE (Societas Europaea) and listed on Euronext Paris.

The [purpose of Atos](#) is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

Find out more about us

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Let's start discussion together



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