



Production security and efficiency

Use edge.SHIELDOR to optimize OT infrastructure protection and benefit from data connectivity

**NIS 2
ready!**



The advantages of edge.SHIELDOR at a glance

- 1** Secures your OT infrastructure for effective protection against cyber threats
- 2** Reduces your CapEx and keeps your machines running for longer without issues
- 3** Saves money on measures to mitigate security risks
- 4** Supports the adherence to legal cybersecurity compliance
- 5** Builds operational excellence by using internal data to increase production efficiencies

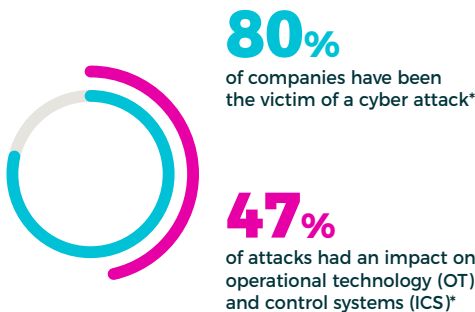


The status quo of OT security measures is no longer sufficient

Traditionally, firewalls, segmentation, and asset management protect OT networks. Ideally, all three mechanisms should be combined. Attacks on companies of various industries and sizes show that these approaches are no longer sufficient to comprehensively protect against cyber attacks.

But why?

- ▶ Software updates cannot be rolled out without significant changes to the machines, which incur high additional costs.
- ▶ Suppliers often no longer provide software updates for legacy machines.
- ▶ Necessary services, such as VPN and file exchange, require ports to be opened manually, and not all are closed again. This leads to the compromising of the existing security concept, and networks quickly resemble Swiss cheese.
- ▶ Legacy systems often communicate exclusively, if at all, via insecure protocols; and interfaces are not homogenized.



NIS 2

With the adoption of the European Union Directive on the prevention of cyber attacks into national law in October 2024, companies face significant fines for violations. In addition, the law introduces personal liability for managing directors and board members.

*Survey „The Global State of Industrial Cybersecurity“ (Claroty), 2023

Building resilience for OT infrastructures

In manufacturing companies, efficiency and cybersecurity are in conflict. The safest way to operate the system is in offline mode, but this prevents any Industry 4.0 measures. In order to achieve both, companies seek a balance between these diametrically opposed goals, which inevitably ends with a compromise.

The optimal scenario for the production industry:

- ▶ Reliable protection against cyber attacks
- ▶ Compliance with normative requirements such as NIS 2
- ▶ Implementation of effective measures to reduce CapEx and OpEx
- ▶ Sustainable increase of production efficiency and quality

edge.SHIELDOR

Cyber security or system connectivity – our OT security solution effectively solves the problem of reaching these opposing goals. It ensures secure production operations by separating each system in the OT network from the IT network. Think of it like encasing each system under a protective dome, that safeguards from cyberattacks while ensuring data transparency. A centralized management makes it easy to update and secure the dome without interrupting ongoing production, or having to rely on maintenance windows.

As simple as a protective glass dome



Strengthen your OT security while directly influencing your bottom line

Avoid unnecessary expenditures on software updates, software-related retrofits, or new machine purchases. Establish secure data connectivity across your entire facility for production automation and data-driven production optimization.

Simple, safe, predictable ...

Protocol conversions, e.g. to OPC-UA, enable the seamless integration of old and new systems and extend their service life. Our solution includes secure remote maintenance. With a centralized management, the software is always kept up to date, new features are continually integrated, and edge.SHIELDOR remains a reliable, flexible, and adaptable solution for the changing requirements of the industry.

... and cost-efficient

The significant reduction in administrative expenses and the centralized management for OT networks enables up to 80% reduction of the total cost of OT security risk mitigation.



Your advantages with edge.SHIELDOR



Increased security



CapEx reduction



OpEx savings



Operational excellence

If you are wondering how you can benefit from edge.SHIELDOR, please get in touch with me.



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Securely shaping your future

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