

EY's operational technology (OT) cybersecurity services and offerings

EY's OT security services help empower organizations to transition from legacy, siloed structures to fully integrated and converged entities. This transformation enhances agility and supports new digital business models, facilitating secure and resilient operations.



15+
years of experience
in OT security



50+
OT security
experts



300+
OT security
projects



50+
OT security
certificates

How do we offer a future-proof cyber strategy?

Security strategy and road map Security governance and organization (Op. model) Secure-by-design Risk appetite and high value assets Behavior and threat analytics Cyber metrics and dashboard

OT security operations center



EY's cybersecurity services

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Accreditation and certifications for global industry standards



Deep **technological** and **global service delivery** experience



"Most preferred brand" to support managed services globally



**Shape the future
with confidence**

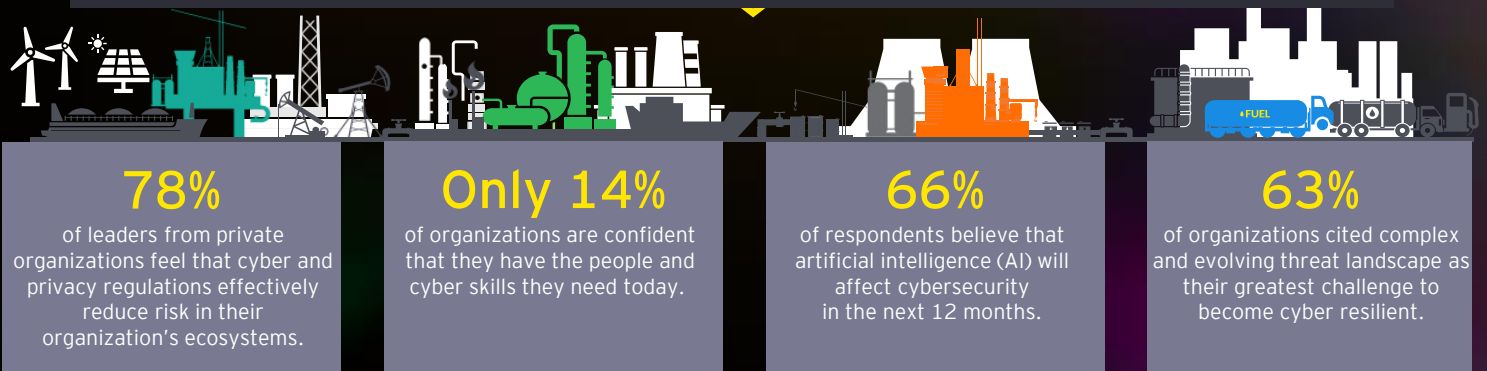
EY's viewpoint

Cyber risks exposure in the face of business and operational change

Failure to effectively manage a cyber attack can significantly elevate cybersecurity risks – leading to prolonged disruptions and widespread impact across organizations. These risks are further intensified when businesses operate under complex and evolving conditions, such as the scenarios outlined below.

- Integration between IT and OT
- Regulatory requirements
- OEMs/Vendors management
- Critical security events
- Emerging technologies
- Organizational changes
- Budget constraint
- Mergers and acquisitions
- Resiliency assessments

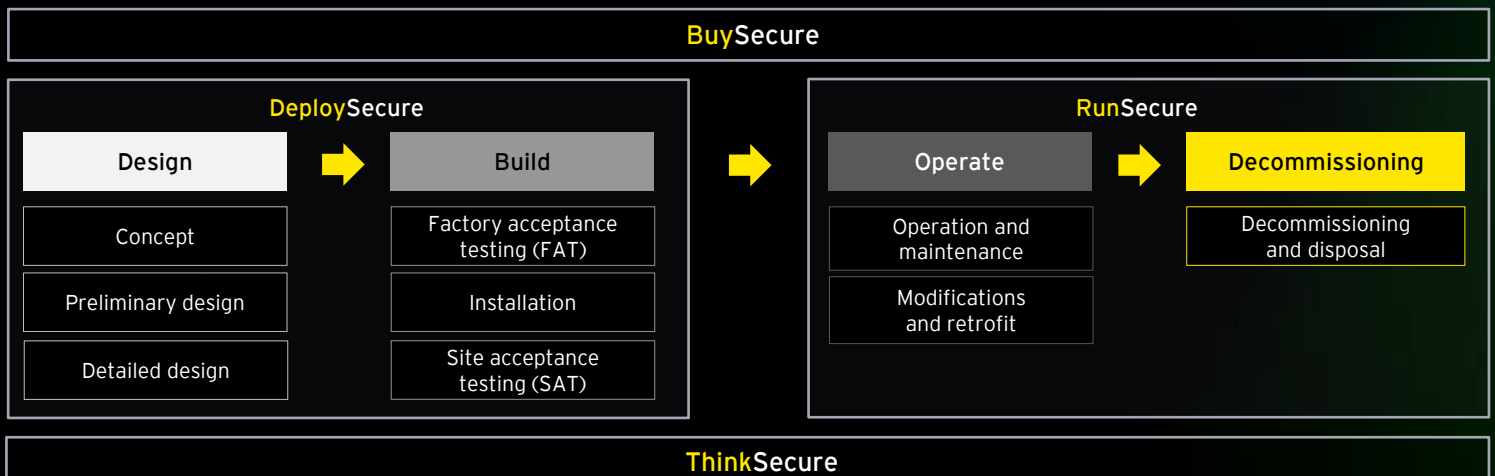
By the numbers, according to the World Economic Forum's Global Cybersecurity Outlook 2025



EY's OT security-by-default approach:

- BuySecure:** Prioritize cybersecurity in procurement to facilitate robust protection from the start.
- DeploySecure:** Embed security in the design and build phases of all engineering projects to eliminate vulnerabilities early.
- RunSecure:** Maintain ongoing security measures to run resilient operations with secured infrastructure.
- ThinkSecure:** Cultivate a cybersafe-first culture to enhance organizational resilience.

Industrial control system (ICS) lifecycle vs. security-by-default approach



By understanding current OT **cybersecurity challenges** and **risks**, EY leverages deep **expertise** and **tailored approach** to help clients **transform** and future-proof the **security strategy**, so that operations are **safer** and more **resilient** in an evolving threat landscape.



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IT and OT convergence

IT

To manage business data and applications through hardware, software and communication systems for operational efficiency.

OT

To control physical systems in real time by monitoring, automating and managing industrial devices and processes using hardware and software.

Main drivers for IT and OT convergence

Automation moving towards internet protocol (IP)

Integration between OT and IT

Virtualization and cloud

OT identity access management (IAM)

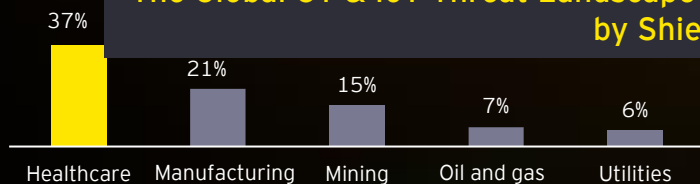
Mobility and remote maintenance

Common operating model

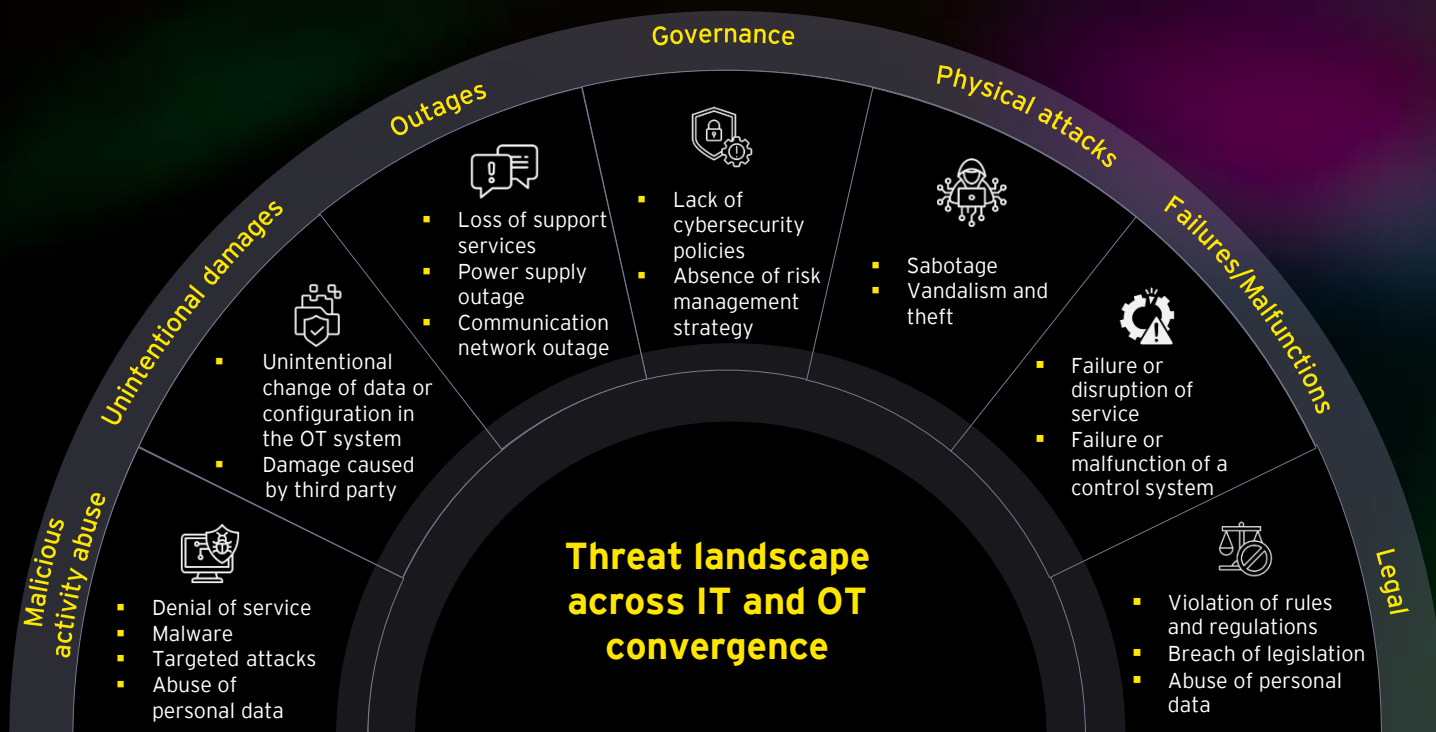
Regulatory requirements

AI in anti-malware prevention and anomaly detection

The Global OT & IoT Threat Landscape Assessment and Analysis Report 2025 by Shieldworkz



Healthcare is the most targeted industry accounting for almost **37%** of the total victims.



How to reduce potential threats?

1. Network segmentation
2. Host/Network monitoring
3. Asset identification and management
4. Secure remote access
5. User awareness and training
6. Anti-virus and patch management
7. Identify and access management



Key values

- Provide visibility on the effectiveness of the current security controls and overall risk levels.
- Identify areas of improvement opportunities based on industry standards and best practices.
- Ascertain the adequacy of security controls of OT systems.
- Develop remediation plans to address gaps in OT environment.



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EY teams work across a full spectrum of services in assurance, consulting, tax, strategy and transactions. Fueled by sector insights, a globally connected, multi-disciplinary network and diverse ecosystem partners, EY teams can provide services in more than 150 countries and territories.

All in to shape the future with confidence.

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