



BUREAU
VERITAS

OT Fundamentals Training

Our OT Security Fundamentals course introduces the core principles of industrial control systems, including processes, architectures, communication protocols, and OT-specific risks, building a strong technical foundation that strengthens reliability, safety, and resilience. Designed for engineers, architects, and CISOs.

These OT Fundamentals Training give you:



Understanding ICS systems

You learn how ICS components work together and where weaknesses typically arise.



Awareness of real threats

Understand how attackers operate, which entry points they exploit, and why incidents happen.



Practical defensive skills

Gain hands-on guidance to prevent real-world cyber incidents in industrial environments.

Training Available in 1-Day or 2-Day Formats:

DAY 1

- ICS basics: processes, control loops, PLCs, sensors, actuators.
- IT vs OT differences and ICS role in operations.
- ICS architecture and the Purdue model.
- Key components: HMIs, RTUs, SCADA, common vulnerabilities.
- Core protocols (Modbus, OPC-UA, DNP3) and relevance to NIS2.

DAY 2

- Hands-on ICS exploitation using the OT Hackbox.
- Deep dive into protocols, attack surfaces, and network traversal.
- Threat modelling and IEC 62443 application.
- Case studies: Stuxnet, TRITON.
- Map controls to real cyber-physical risks.

OT Fundamentals Training Days:

Version	Remark	Recommended audience
2 days OT Fundamental Training	Includes both days: basis and technical concepts	Engineers, architects, cybersecurity experts
1 day OT Fundamental Training	Only agenda of day 1: focus on the basis	CISOs, IT / OT managers, consultants

This training is available in two delivery formats:



In-company training (at Bureau Veritas Cybersecurity or at your site)

Recommended for organizations with larger internal groups seeking to build cybersecurity competence and foster collaboration across teams.



Regularly Scheduled Group Sessions

Recommended for participants who wish to learn alongside peers from other companies and exchange insights across the industry.



Why choose Bureau Veritas

Bureau Veritas Cybersecurity is your expert partner in cybersecurity. We help organizations identify risks, strengthen defenses and comply with cybersecurity standards and regulations. Our services cover people, processes and technology, ranging from awareness training and social engineering to security advice, compliance and penetration testing.

We operate across IT, OT and IoT environments, supporting both digital systems and connected products. With over 300 cybersecurity professionals worldwide, we combine deep technical expertise with a global presence. Bureau Veritas Cybersecurity is part of the Bureau Veritas Group, a global leader in testing, inspection and certification.

70%

of OT-related breaches involve “indirect losses” (e.g., production shutdowns, cascading effects)



Interested?



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Contact us today:



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