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CYBERSECURITY IN THE
INDUSTRIAL
MARKET

CRITICAL INFRASTRUCTURE
ENERGY / UTILITIES
WATER MANAGEMENT
PROCESS INDUSTRY
OPERATIONAL TECHNOLOGY
MARINE / OFFSHORE

Industrial organizations are of vital importance to our society. Whether you are an energy company, an oil & gas distributor, a water management organization, a chemical plant or a railway operator: many critical processes are managed through operational technology (OT) and information technology (IT) systems.

In industrial organizations, safety, reliability and availability are key. Secura's vision for OT and IT is: **no safety, reliability and availability without security.**

Digital security is of increasing importance, because more and more OT/IT systems (PLCs, ICS SCADA) are connected to IP networks. For instance to monitor processes, or to control processes remotely, or for remote analysis,

support and updates. Moreover with industry 4.0 (IIot) we see many new, smart and data-driven systems and infrastructures being developed. This has great advantages, but brings large risks as well.

All your systems, sensors and networks need to be protected well. Cybercrime is growing, also in the world of industrial infrastructure. Nation-states used cybercrime to sabotage industrial infra, like the energy production (in Ukraine) or oil production (in Saudi Arabia).

Regulators see the need for better security in the world of industrial organizations. In Europe, the Network and Information Security (NIS) directive was adopted by the EU parliament in 2016 and converted to law in most European Countries in 2018. This is complemented by ENISA guidelines and by the IEC 62443 standard. In the USA several guidelines and standards in the domain of OT and ICS SCADA were released by NIST, NERC and DHS. So, there is legislation and there are sufficient standards and guidelines on how to assess and improve the security of industrial infrastructure.

How To Secure Your Organization?

There are many legacy systems, which were never designed to be connected to networks and/or the internet. Many installations need to run without interruption. Sometimes it takes years before systems can be patched. This results in many challenges in the world of industrial infrastructure.

Our Services

Secura is your security partner in the world of critical infrastructure. Our mission is: *to provide insight into your security*. We help you control your security risks and improve your cyber resilience by offering the following services (in both OT & IT specific services), based on our three pillars '**People**', '**Process**' and '**Technology**':

People
- Security Awareness and Behavior (SAFE inluding an OT e-learning module)
- Phishing tests
- Social Engineering
- Training Courses: ICS/SCADA Security and hands-on training
- Secure Software Development Lifecycle (SSDLC)

Process
- IT/OT Security Maturity Review including building roadmaps
- NIS / WBNI Compliance Review and Assessment
- IT/OT Risk Assessment
- IT/OT Site Assessment
- IT/OT Security Roadmap
- Threat Modeling
- Elaboration of OT Governance (strategies, policies and processes)
- Elaboration of Incident Response Planning and Business Continuity Planning
- Support in building OT cyber security teams and a cyber-ready governance structures
- Support in OT cyber tenders: technical specifications for RFPs, evaluation of offers, etc.
- Vendor (3rd party) Review/Assessments

Technology
- Threat Modeling
- Red Teaming in IT/OT environments
- IT/OT Vulnerability Assessments (penetration testing, robustness testing)
- Design/Capabilities Review, Configuration Review, Code Review

Interested to learn more about what we have to offer in the industrial market? Please refer to our fact sheets, white papers and more at: https://www.secura.com/markets/industrial.

About Secura

Secura is an independent, specialised security expert. We help organisations by **providing valuable insight into their digital security** from a **people, process and technology perspective.**

Secura offers **audit, test & certification services in the world of IT, IoT and OT**. We link our audit and test work to international norms, standards and metrics. Secura is your independent, trusted security partner.

Interested?

Would you like to learn more about our services?

Contact us today!

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