Rhebo
OT Security Made Simple

POSTER

Bringing together NIS2 and CRA in OT

How Rhebo helps critical infrastructure operators to comply with the EU cybersecurity regulations

ENABLE INTRUSION DETECTION IN OT NETWORKS

The European cybersecurity twins NIS2 and Cyber Resilience Act (CRA) require both operators and vendors of digital systems to ensure strong cybersecurity. Although the CRA primarily affects operators with regard to the challenge of supply chain security the two regulatory frameworks are highly complementary.

ACCELERATE INCIDENT ANALYSIS AND REPORTING

Compliance with CRA requirements by a vendor – such as the German OT cybersecurity company Rhebo – providing a critical or important product for critical infrastructure environments has a direct impact on how operators address NIS2 requirements. In any case, the goals of both sides become shared objectives.

STRENGTHEN INDUSTRIAL CYBER RESILIENCE

For example, the risk analysis of a product under CRA, just like the risk analysis under NIS2, aims to make existing risks transparent and to minimize them. Hence, it comes as no surprise that both operators and vendors share the IEC 62443 standard family as the main reference for establishing cybersecurity in their industrial networks, components and systems.

NIS2 REQUIREMENTS FOR CRITICAL INFRASTRUCTURE OPERATORS	COMMON OBJECTIVE	CRA REQUIREMENTS FOR RHEBO SOLUTIONS
Conduct risk analysis	RISK TRANSPARENCY	Conduct risk analysis of the product
Create asset inventory		Provide technical documentation of the product
Harden the OT infrastructure		
Ensure supply chain security	SUPPLY CHAIN SECURITY (CRA offsets NIS2)	Provide Declaration of Conformity (DoC)
Audit subcontractors		Present CE marking
		Get external certification for CE marking
		Implement secure development and operations (e.g. ISMS according to ISO 27001)
Establish vulnerability management	TRANSPARENCY ON VULNERABILITIES	Provide software bill of materials (SBOM)
Implement compensational mitigation measures for legacy systems		Maintain vulnerability management throughout entire product life cycle
Define a Business Continuity plan to maintain operations during cyber incidents	RESILIENCE THROUGHOUT ENTIRE LIFE CYCLE	Ensure long-time support & security updates throughout product life cycle (during contract period)
Regularly roll out security updates for systems and applications		Do not deliver product with default passwords
Depending on national transition of NIS2: **Operate intrusion detection system in the OT**	EFFECTIVE CYBER INCIDENT RESPONSE	Implement secure development and operations (e.g. ISMS according to ISO 27001)
Report cyber incident to national authority	SMOOTH COOPERATION WITH AUTHORITIES	Report actively exploited vulnerabilities to national authorities

RHEBO SUPPORTS CRITICAL INFRASTRUCTURE OPERATORS WITH NIS2 COMPLIANCE

With the network-based intrusion detection system (NIDS) **Rhebo Industrial Protector**, operators of critical infrastructure can integrate effective OT security in their industrial operations. Additionally, the **Rhebo Industrial Security & Stability Assessment** identifies active systems in the OT as well as existing security vulnerabilities and misconfigurations, thereby contributing to both risk analysis and asset management.

RHEBO BRIDGES THE OT SECURITY SKILL GAP IN CRITICAL INFRASTRUCTURE OPERATIONS

The **Rhebo Managed Protection** services help operators to mitigate staffing shortages and the prevailing skills gap as well as to build in-house expertise in OT security. Operators can access Rhebo's experts as needed – from analysis and consultation on identified anomalies to the full managed operation of the Rhebo Industrial Protector NIDS for identifying cyber attacks and technical error states within their OT environment.

RHEBO DELIVERS CRA-COMPLIANT COMPONENTS FOR OT SECURITY

As a **provider of an important product**, Rhebo complies with the requirements of the EU Cyber Resilience Act (CRA). Rhebo is undergoing external CE certification, has been operating an information security management system (ISMS) in accordance with ISO 27001 since 2022, and is implementing a certified vulnerability management system with long-term update guarantees.

RHEBO CRA X OPERATOR NIS2 |
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