Rhebo Industrial Security Assessment

Risk & Vulnerability Analysis for OT Networks

OT SECURITY
Made in Germany

ASSET INVENTORY FOR OPERATIONAL TECHNOLOGY

IN-DEPTH VULNERABILITY AND RISK DETECTION

DEFINITION OF MITIGATION MEASURES

> »With the audit, we were able to review our existing heterogeneous systems in detail, and identify and verify vulnerabilities in the ICS.«
>
> **Rainer Fuhrmann | Head of I&C | EWR Netz GmbH**

The Rhebo Industrial Security Assessment (RISSA) is an OT-focused cyber risk identification and vulnerability assessment. It enables cybersecurity managers in critical and industrial infrastructure to quickly gain a profound understanding of the OT, and to act on vulnerabilities, security gaps and error conditions. Thus, the Rhebo Industrial Security Assessment is the easy first step to establish effective OT security and to strengthen OT cyber resilience.

The Rhebo Industrial Security Assessment provides you with

- ✓ **FULL VISIBILITY IN THE OPERATIONAL TECHNOLOGY** including devices, connections, communication and firmware
- ✓ **AN EFFICIENCY ASSESSMENT** of existing security measures through identification of any unexpected communication
- ✓ **AN IN-DEPTH OT SECURITY ANALYSIS & MATURITY ASSESSMENT** with identification of vulnerabilities, misconfigurations & malicious behavior
- ✓ **IMMEDIATE ACTIONABILITY** through mitigation measurement prioritization in Rhebo expert workshop
- ✓ **AN EXTENDED OT STABILITY ANALYSIS** through identification of technical error states and network quality problems
- ✓ **A SOUND FOUNDATION FOR ISMS IMPLEMENTATION** according to ISO 27000, NIS and IEC 62443

Identify Vulnerabilities In Your Operational Technology

The Rhebo Industrial Security Assessment (RISSA) is an integral part of any detailed OT risk analysis. It provides a deep understanding of your ICS / OT assets, network and communication structure as well as the current risk exposure. Using the OT monitoring and anomaly detection solution Rhebo Industrial Protector, all communication within the OT is recorded over a period of approximately 14 days. Subsequently, our experts analyze the recordings for security risks, including:

- insecure devices and firmware with known vulnerabilities;
- suspicious, atypical communication behavior;
- insecure connections and communication;
- communication errors, misconfigurations and technical error states.

The results of the vulnerability and risk analysis include security events as well as technical error states that can lead to operational disruptions, e.g. in real-time processes and overall plant control. All anomalies are documented, evaluated and summarized in a detailed report.

In the concluding workshop, mitigation measures are developed in close alignment with the operators. Thus, the Rhebo Industrial Security Assessment provides the foundation and crucial information for the detailed cyber security risk assessment, e.g. according to the international standard IEC 62443-3-2 (ZCR 5).

The First Easy Step To OT Security

PREPARATION WORKSHOP	**Analysis of the OT network** architecture and definition of data tapping points.
DATA COLLECTION	Fast, non-intrusive installation in the OT (appr. 1 h per sensor), **immediate real-time OT visibility** as well as **passive communication monitoring** for appr. 14 days.
OT COMMUNICATION ANALYSIS	**In-depth analysis of monitored communication and systems information** for malicious behavior, vulnerabilities and risks by Rhebo OT experts.
ASSESSMENT REPORT	Detailed report on devices and users, connections and used protocols, **vulnerabilities, suspicious communication behavior, technical error states.**
MITIGATION WORKSHOP	Joint evaluation of findings and definition of **prioritized mitigation measures.**

Bring Visibility To Your OT

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Rhebo OT Security Made Simple

Rhebo provides simple and effective cybersecurity solutions for Operational Technology and distributed industrial assets for the energy sector, critical infrastructure and manufacturing. The company supports customers with OT security from the initial risk analysis to managed OT monitoring with intrusion & anomaly detection. Since 2021, Rhebo is part of the Landis+Gyr AG, a leading global provider of integrated energy management solutions for the energy industry with around 7,500 employees in over 30 countries worldwide. As a trustworthy cybersecurity provider, Rhebo is ISO 27001 certified, and was awarded the »Cybersecurity Made In Europe« label for its strict data protection and data security policies.

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