

Rhebo and PRTG

Availability monitoring and
cybersecurity for industrial
networks

UPTIME 
ALLIANCE



Rhebo and PRTG: Availability monitoring and cybersecurity for industrial networks

Predictive maintenance, retrofitting, Industry 4.0: Digitalization in the industrial sector is allowing formerly isolated production plants to become open to the Internet, digitalized, and integrated with IT. This digitalization gives rise to several new security threats (viruses, ransomware, Trojans, etc.). In addition, OT systems are subject to entirely different technical requirements and specifications which create a whole new set of tasks for many IT methods and systems.

Nevertheless, digitalization offers enormous potential and represents the future of the industrial sector. If industrial companies wish to remain competitive, they have no choice but to digitalize. Thankfully, there are strategies and tools which can help these companies along the way. Paessler and Rhebo have teamed up to combine PRTG Network Monitor with the Rhebo Industrial Protector to create a comprehensive solution that ensures both the security and the availability of industrial networks.

Monitoring of IT and OT environments with PRTG

Rhebo develops vendor-independent threat detection systems and network condition monitoring tools for industrial environments. Rhebo solutions detect anomalies in Industrial Control Systems (ICS) in a passive and non-intrusive manner, thereby creating (among other things) a database for risk assessment and inventory management. Rhebo uses deep packet inspection to detect and report technical errors and attacks as well as to perform forensic analysis. The company also offers professional services to help with advanced diagnosis and respond to reported anomalies and threats.

With these products and services, Rhebo provides for reliable protection against attacks and malfunctions in industrial networks.

Threat and anomaly detection with Rhebo

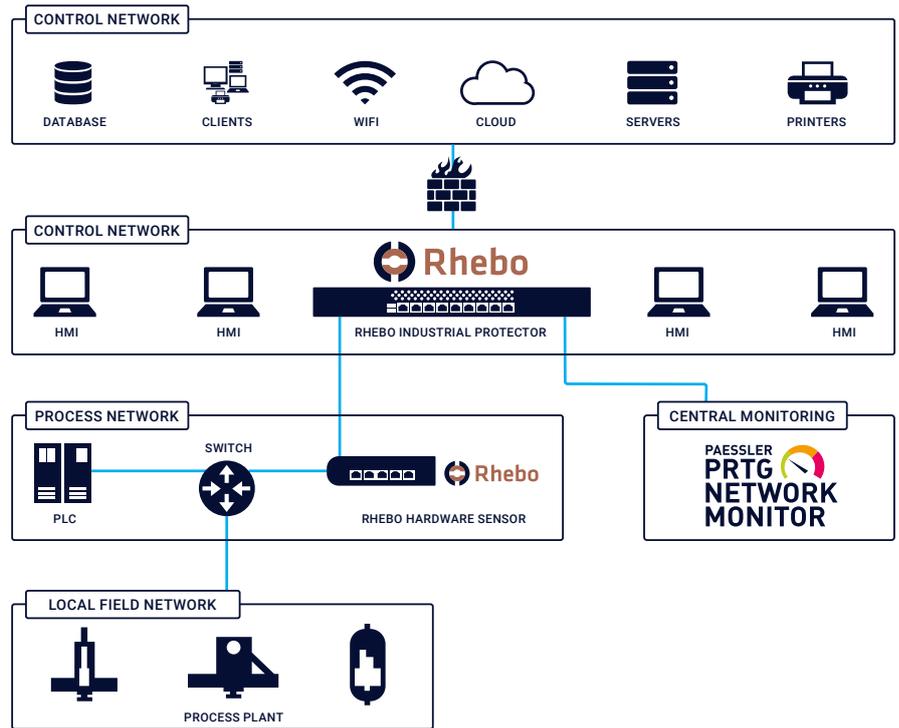
Paessler is the developer of PRTG Network Monitor, one of the leading IT monitoring solutions in the world. By supporting industrial methods and protocols such as JSON, MQTT, OPC-UA, and Modbus, PRTG expands a traditional IT portfolio and provides for a monitoring solution for the consolidation of IT and OT. PRTG collects data on the availability and performance of devices, data traffic, and services. The software sends alerts when predefined thresholds are exceeded and publishes monitoring data in dashboards and reports.

PRTG ensures that problems with IT/OT infrastructures and data traffic are detected early, allowing for prompt troubleshooting and the prevention of disruptions.

Security and reliability with Rhebo and PRTG

Together, PRTG and Rhebo provide for an all-in-one system monitoring solution. PRTG monitors the entire IT environment and large parts of the OT environment, while Rhebo monitors the ICS and identifies anomalies to provide the missing information from the industrial environment, and complements its monitoring with advanced services and in-depth analyses.

Due to the specifications of OT networks, "pull-based" IT monitoring methods are not always possible. Rhebo complements PRTG with its passive monitoring methods, as well as its ability to collect data in real time.



Monitoring at all levels: PRTG and Rhebo provide for comprehensive protection for IT/OT convergence.

IT/OT convergence with Rhebo and PRTG



Security

In industrial networks, basic security is ensured by way of comprehensive monitoring and the detection of anomalies.



Availability and performance

The combination of status monitoring by PRTG and ICS monitoring by Rhebo maximizes the availability and performance of IT and OT environments.



Optimal overview

Centralized dashboards and comprehensive alarm functions ensure maximum visibility and transparency during the consolidation of IT and OT.

About Paessler

Paessler AG is the developer of PRTG Network Monitor, a powerful, affordable, and user-friendly monitoring solution used by more than 300,000 administrators worldwide, making it the global standard for the monitoring of small and medium-sized IT infrastructures and networks. The company also develops PRTG Enterprise Monitor, which complements the extensive monitoring capabilities of PRTG Network Monitor with IT service-based dashboards for IT management. Horizontal scalability and an OpEx-based licensing model make PRTG Enterprise Monitor a suitable solution for large and distributed IT environments. By supporting protocols and methods such as DICOM, HL7, JSON, Modbus, MQTT, and OPC-UA, PRTG moves beyond the traditional IT infrastructure and serves as the basis for monitoring the entire digitalized environment – in hospitals, industrial settings, or any other environment.

Paessler offers the perfect monitoring solution for companies of all types and sizes.



PRTG is Customers' Choice at
Gartner Peer Insights for IT
Infrastructure Monitoring.

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About Rhebo

Rhebo develops and markets innovative industrial monitoring solutions and services for utility companies, industrial companies, and critical infrastructures. Its solutions allow customers to ensure the security and availability of OT and IoT infrastructures, and thereby meet the complex challenges involved with securing industrial networks and smart infrastructures. In 2021, Rhebo became a wholly owned subsidiary of Landis+Gyr AG, a leading global provider of integrated energy management solutions for the energy sector with around 5,500 employees worldwide.

Rhebo is a partner of the Alliance for Cybersecurity of the German Federal Office for Information Security (BSI) and actively participates in the IT Security Association Germany (TeleTrusT) and Bitkom Information Security Management Group to develop security standards. <https://rhebo.com/>

ABOUT PAESSLER AG

Paessler believes monitoring plays a vital part in reducing humankind's consumption of resources. Monitoring data helps its customers save resources, from optimizing their IT, OT and IoT infrastructures to reducing energy consumption or emissions – for our future and our environment. That is why Paessler offers monitoring solutions for businesses across all industries and all sizes, from SMB to large enterprises. Paessler works with renowned partners, and together they tackle the monitoring challenges of an ever-changing world.

Since 1997, when Paessler first introduced PRTG Network Monitor, it has combined its in-depth monitoring knowledge with an innovative spirit. Paessler knows the challenges of complex IT, OT and IoT infrastructures and networks. Paessler products empower its customers to monitor everything, and thus help them optimize their resources.