



zentrak SYSTEM SUPERVISION (SYS)

Overview and monitoring of the connected systems

Description

SYSTEM SUPERVISION offers a comprehensive, real-time overview of all connected wayside measurement systems, ensuring continuous monitoring and early detection of critical events. Any technical changes or hardware malfunctions can be quickly identified, allowing for prompt response and enhanced support for service and maintenance activities.

Users can view individual wayside systems separately, with detailed information available on their current health status, associated measurement functions, and saved monitoring parameters.

The intuitive dashboard provides deep insight into system operations. It displays key alerts such as alarms and pending faults, along with relevant data like recent train passages. Highly adaptable to customer-specific needs, SYSTEM SUPERVISION also supports customizable groupings—such as by regions or control points—ensuring a constant and clear overview of the entire network.



System advantages

- » Overview and diagnosis of the connected systems
- » Visualization of control points and status display on a geographical map
- » Flexible e-mail notification of critical events
- » Intuitive display of fault and train running history for each system
- » Individual reports with Excel export function
- » System snapshot provides valuable context for alarm evaluation
- » Granular track evaluation by showing detailed system-related values
- » Self-diagnostics for monitoring the software services
- » Visual feedback when systems are in a deviating state



MAIN FUNCTIONALITIES

Diagnostics of Connected Systems

The geographic map provides a visual overview of connected systems, enabling users to monitor real-time status and proactively plan preventive or corrective measures in response to any irregularities. It displays both the connection status and operating conditions for easy visibility.

Self-Diagnostics

Self-diagnosis is used to monitor services and displays hardware utilization and geo-redundancy status.

Email Notification

Sends notifications via email in case of system errors or technical status changes.

System Snapshot

Provides valuable context for alarm assessment and supports a clear historical view of the situation.

Error History

Granular logging of error events showing which errors were fixed and how long they were present in the system.

Trackside Details

Display of system-related values such as quiescent currents, serial numbers and supply voltages, but also display of performance indicators and configuration parameters.

System Error Listing

Connected systems trigger errors. In most cases, they indicate that the system may no longer provide (reliable) measurements.

Reports

Allows the user to track system performance. For example, shows the most severe failures with Pareto charts.