RAILWAY SYSTEMS
by voestalpine

zentrak ALARMING & INTERVENTION

Enables rapid intervention in time-critical events

Description

Alarming & Intervention is a monitoring solution supporting confident decision-making and increasing safety and availability of rail traffic. For dispatchers, our software offers near real-time system-processed alarms and audio-visual indications. The application informs key personnel such as traffic controllers, track managers, signalers and infrastructure maintainers pro-actively about deviating and adverse situations that might have a negative impact on safety and availability. Depending on the situation specific workflows provide a standardized assessment for each alarm in a train passage. The configurable user interface can be flexibly adapted to individual customer requirements. Roles and responsibilities can be configuered for individual users, distributing tasks to ensure a quick treatment of incidents.
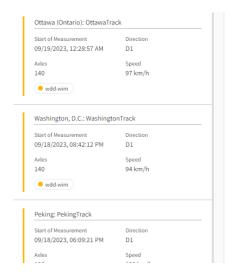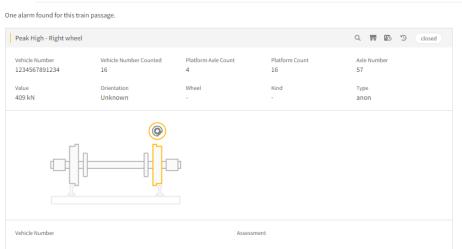

zentrak Alarming and Intervention

System advantages

» Pro-active visual and audible notifications about events that need immediate action

» Recommended alarm intervention that is tailored to the specific regulations of each track

» Flexible email notification

» Integrated trend alarms

» Environmental alarms (i.e. rail temperature)

» Easy organization to handle different user needs

» Detailed information and graphs provide context data about train passages

» User acknowledgement with alarm filtering based on user roles

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MAIN FUNCTIONALITIES

Notifications

The notification function allows the user to identify time-critical events within seconds. Different severity/priority levels are clearly distinguishable with color-coordinated icons, allowing the user to quickly intervene in critical situations.

Alerting function

Critical events are displayed in a user-friendly manner based on various parameters and can be customized by the user to suit their needs. For example, the display and presentation of the alarm type can be set and corresponding alarm instructions can be stored for the respective alarm.

Processing of alarms

Based on the configured process flow, measures for alarm handling are displayed independently by the system. This can range from acknowledgement, evaluation and handling to closing the alarm.

Evaluation of train passages

Allows the user to view and investigate measurements of trains according to their user role and rights.

Process management

Specific configuration rules for alarm handling and reporting can be managed based on customer processes.

Email notification

For timely response to critical events, Alarming & Intervention sends email notifications within seconds. This enables the user to intervene quickly, e.g. in case of defined alarm events and system errors.

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