



## zentrak ALARMING & INTERVENTION (A&I)

Enables rapid intervention in time-critical events

### Description

ALARMING & INTERVENTION is a monitoring solution designed to enhance decision-making, safety, and the availability of rail traffic. The software provides users with near real-time alarms and audio-visual alerts processed by the system. The application proactively informs key personnel—including traffic controllers, track managers, signallers, and infrastructure maintainers—about potential safety risks or disruptions that could affect rail operations. Depending on the situation, specific workflows guide the standardized assessment of each alarm during a train passage. The user interface is customizable to meet individual client needs, and roles and responsibilities can be tailored for each user, ensuring efficient incident management.



### 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 notifications
- » Integrated trending 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

**Ottawa (Ontario): OttawaTrack**

Start of Measurement: 09/19/2023, 12:28:57 AM  
Direction: D1

Axes: 140  
Speed: 97 km/h

● wdd-wim

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**Washington, D.C.: WashingtonTrack**

Start of Measurement: 09/18/2023, 08:42:12 PM  
Direction: D1

Axes: 140  
Speed: 94 km/h

● wdd-wim

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**Peking: PekingTrack**

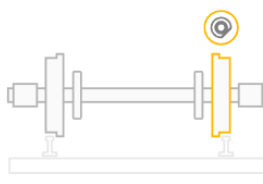
Start of Measurement: 09/18/2023, 06:09:21 PM  
Direction: D1

Axes: ...  
Speed: ...

One alarm found for this train passage.

**Peak High - Right wheel** closed

Vehicle Number	Vehicle Number Counted	Platform Axle Count	Platform Count	Axle Number
1234567891234	16	4	16	57
Value	Orientation	Wheel	Kind	Type
409 kN	Unknown	-	-	anon



Vehicle Number	Assessment

## 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 the 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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ONE STEP AHEAD.