



Iskratel Transport infocommunications

# Incident-response Management for Railways (IRM-R)

## Key features:

- Incident management
- Response planning
- Video management
- Operational center
- Geographic Information System (GIS)
- Analytics and reporting

In recent years technology vastly improved railways operations by detecting problems up to 30x sooner and providing 100x more detailed actionable information. But they also exposed operators to something very dangerous – information overload.

Having actionable information is therefore not enough. Acting on it, fast and precise is the key issue.

If you could take all the data, warnings, video feeds, telemetry and analytics, feed them into a smart, virtual environment and run on them intelligent process algorithms then your technology would start handling the load instead of increasing it, reducing operational risks, cutting down your response time and making you a lot of money.

The idea of Iskratel IRM is to transform incoming information into intelligent responses in the right way.

## ISKRATEL IRM

The objective is to reduce the occurrence of incidents and emergencies and their subsequent damages to persons and material.

In order to be able to do that, we need to

gather information, synthesize it and help making a decision.

We must create situation awareness to the operator in order to take proactive response in real time and coordinate chain of decisions / interactions between operational people and other stakeholders.

Is a computer database system designed to support operators during railway incidents and emergencies by giving them detailed, real-time information, allowing them to graphically integrate it and then transmit their decisions through the chain of incident commands.

In other words IRM gathers information, synthesizes it and helps making a decision.

## THE WHOLE PICTURE

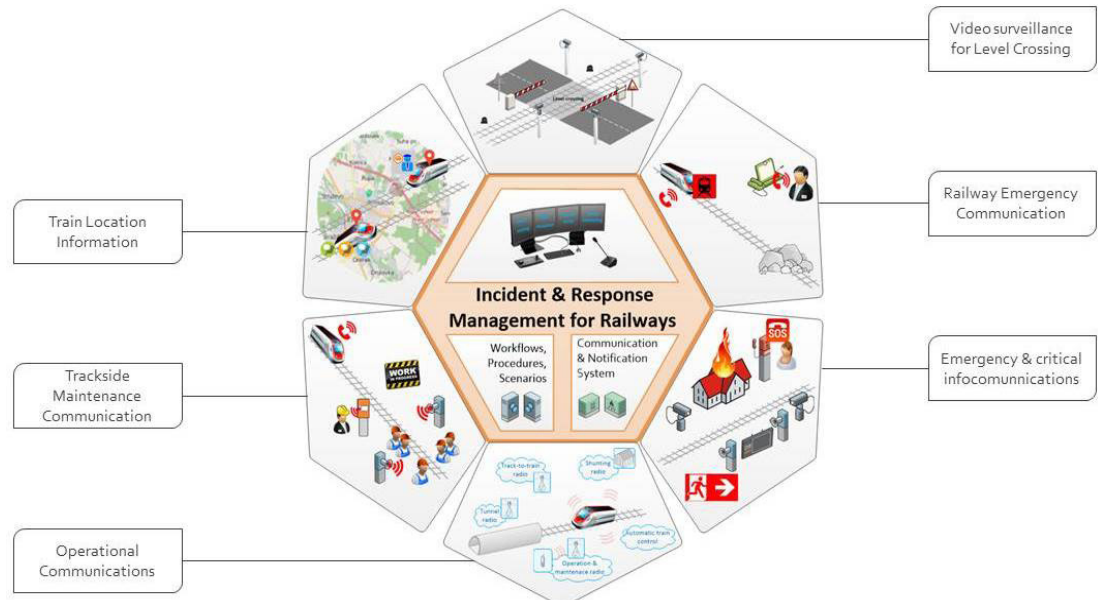
The solution **integrates all external systems** into one in order to provide clearer picture of the situation

**Incident management** enables real time event-handling by the operator and gives him guidance through each procedure.

**Response planning** creates user-friendly response procedures with predefined rules

## Why Iskratel IRM?

- Improves **security** and operational **efficiency**
- **Reduces incidents** and consequences
- Increases operator's **situation awareness**
- System **grows** with your **services needs** and **required capacity**
- **Easy integration** with existing systems
- Future oriented (**IMS/LTE ready**)



and workflows for quick and easy triggering of predefined actions.

**Video management** with video analytics helps reducing the volume of data. Cameras

*Iskratel IRM gathers data, synthesizes it and helps making the right decisions.*

*It provides situation awareness to the operator in order to take proactive response in real time with better coordination of emergency services, better control and effective reaction on the field.*

only transfer what is requested, which reduces false alarms to a minimum.

**Operational center** receives all the alarms

and connects to special services (112, police, fire brigade, ambulance). Through connection to other systems operator has control over all the events.

**Geographic Information System (GIS)** is an effective tool that creates a common operating picture for decision makers and emergency managers. We integrate complex data into an understandable map display, e.g. stations floorplans, shunting areas with real-time asset management.

**Public warning system** brings immediate attention to all people impacted by the incident. Variety of medias can be used like video displays, loudspeakers, sirens, cell broadcast...

**Analytics and reporting** turns collected data into relevant information for an efficient decision support.

**Iskratel IRM transforms incoming information into intelligent responses in the right way.**

# ISKRATEL

Iskratel, d.o.o., Kranj

Ljubljanska cesta 24a  
SI 4000 Kranj, Slovenia  
Phone: +386 4 207 20 20  
Fax: +386 4 207 26 06

info@iskratel.si

www.iskratel.com

**ISKRATEL**Group

