



Iskratek Transport infocommunications

Railways Information & Notifications system

Key features:

- **Distribution** of any type of information to any location
- **One solution** for audio and visual notifications
- Terminal equipment suitable for **harsh environmental conditions**
- Flexible and **tailor-made** implementations

Trains are all about moving people. To do that effectively, passengers need to feel safe and comfortable. Many existing passenger information systems are outdated and poorly integrated with other information systems. Poor performance diminishes the ability of passengers and operators to communicate. To create a safe, comfortable environment that increases transit experience, we need a tailored, efficient system with high audio-visual quality.

That is why railways operators pursue for passenger information and announcement systems that enable to keep public information up-to-date, so the passengers can enjoy secure and easy-going travelling, with reliable timetables and announcements.

ISKRATEK APPROACH FOR IMPROVING SAFETY AND CONVENIENCE

The Iskratek Railways information & Notifications solution (RINS) is designed to fulfil the railways operators' requirements. It is a perfect real-time solution for information and announcements on train stations through displays, loud speakers and other information systems. It enables efficient content management, distribution and reproduction of audio and visual information with high reliability and availability, giving passengers and personnel comfortable use and an overview of the whole current situation at train stations.

User information is given to passengers through various voice-announcement systems and digital signage via displays.

Depending on the need audio and video notifications are available - often to provide information about timetable changes or for employee safety. These may include:

- general travel information (exact time, departures and arrivals, expected delays, gate numbers...),
- safety information for emergency cases
- advertisements and special text messages
- service messages for personnel.

INTEGRATION INTO A SINGLE SOLUTION

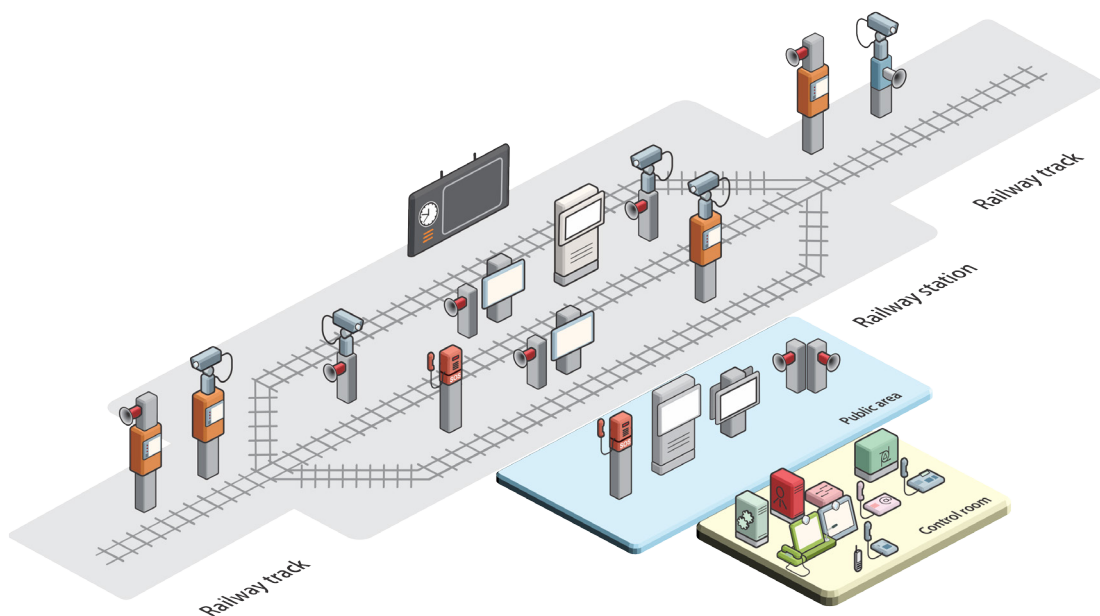
Iskratek RINS is able to distribute any type of information to any location; providing one solution for audio and visual announcements.

It is a single integrated solution for digital signage, video and audio information, announcements and emergency calls.

The solution is based on the Iskratek SI3000 platform, enhanced with operational functionalities and various products for railway information and notifications.

Why Iskratel RINS?

- **Improving traffic flows** through attractive and easy-to-spot transport information
- **Announcements and emergency calls**
- **Centralization** – small stations fully served from the central location
- **Friendly and intuitive** operation and maintenance



SOLUTION DETAILS

Audio and visual contents are served from Iskratel's RINS server and managed by the RINS dispatcher.

The RINS server pulls actual information from the central server and generates audio announcements from pre-recorded fragments and visual content (arrival/departure time table). These are presented on dedicated displays at railway stations with the ability to record all audio announcements centrally.

The solution generates and manages various items including general travel information, safety information, service messages and advertisements.

It automatically generates audio and video information based on time-schedule or triggered inputs and enables a full overview of the on-going events.

RINS HIGHLIGHTS

It is a stand-alone solution with high availability and a fully redundant central server. It represents powerful event handling including live notifications, messages, pre-recorded alarm and messages system.

Fully digital and intelligent client controllers can also control alarms, priorities and cover the diagnostics of the full audio paths. It also ensures automatic volume adjustment according to the background environmental noise.

Each zone is controlled with its own intelligent client and modular amplifiers. This means that there is a virtually unlimited number of zones and the possibility of reproducing the dedicated audio information simultaneously in each zone.

The modular and scalable system architecture, with dedicated application makes it possible to use it for various applications. All modules are based on advanced and proven technologies and they can be tailored to meet the customer-specific needs.

It is reliable, cost effective and easy to operate, maintain and troubleshoot.

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