Iskratel Transport infocommunications

Railways infocommunications suite

Key features:

• **Unified, IP-based** communications platform

• Railways **information and notification** system

• Solution that bridges **analogue, TDM, IP, fixed** and **mobile** communications

• Increase **security** and **efficiency** with **IoT** based IRM

Digital technology is changing the railway industry faster than standards and regulatory can follow.

Delivering crucial communications systems has become trickier, much more reliant on partners who really know their way around communications networks. Many companies provide railway communications. But do they provide absolute reliability, integrate five or six different technology generations into a single network and get the job done on a budget? They do an OK job for sure, but without industrial level telecommunications, your clients are at risk.

The legacy systems can go offline when they need them the most. Dispatcher terminals can refuse to display video feeds or other key information. It can take controllers much too long to spot and react to danger.

After decades of doing this, we know it can be done better. What you really need is carrier grade infocommunications.

ISKRATEL TRANSPORT INFOCOMMUNICATIONS

Doing railway communications today is not what it was in the past. You maintained a secure network, closed off from the rest of the world. You got dedicated personnel to watch over switches, signals and schedules, sell tickets at the counter and post all timetables on one information boards.

If it were that simple today, everybody would be happy. But it's not. If you do it like 15 years ago, three things will happen. You will expose trains and passengers to great danger, your revenue will go down and your required investments in new infrastructure will become far greater then you can afford.

And when you try to modernize, you see that things are very confusing. Vendors hit you with a slew of standards, recommend you throw away many existing systems and blindly trust internet technologies you don't feel comfortable with.

We have a great solution.

We want you to keep most of your existing equipment. And we don't want your employees to be overwhelmed or made uncomfortable by new technologies.

That's why we use a universal IP platform with full support for your older communications (analogue and TDM), adding new services such as video feeds, data and voice services. We cover four major segments in transport infocommunications.

ISKRATEL

Why Iskratel Transport infocommunications?

- **Complete infocommunications** package for railways

- Unified IP communications system that **integrates existing** railway technologies

- **Gradual investments** when implementing new voice, video and data services

- Reliable and smooth operations when **migrating to new technologies** and services

- **IoT solutions** for increased security, lower operational costs and higher customer satisfaction

Solutions for control centres, trains, personnel and stations

Operational Communications

Telecommunications suites for efficient business and back office

Business Communications

Audio and visual information for passengers and personnel

Passenger-Information System

Transformation of incoming information into intelligent responses

Incident-Response Management

Connecting all imaginable communications systems – fixed, mobile, GSM-R, TETRA, DMR, LTE. Handing you a unified platform with centralised network management.
ISKRATEL SI3000 platform that makes it all happen.

Operational communications

In order to assure that all transport operations run smoothly we need to provide reliable, efficient and secure communications between control centres, trains, trackside staff and railway stations. Our fully IP-based platform is able to interconnect to any analogue, TDM or IP transport networks; fixed or mobile railways radio networks (GSM-R, DMR…) and put it under one roof for operations and also management system.

Business communications

Today, employees already use multiple communications channels and devices for their daily work. We converge all this devices and technologies into single user identity, provide collaboration tools such as instant messaging with our UC solution, pass conversations seamlessly between fixed and mobile devices and enable real-time voice, video and conferencing across the enterprise network.

Thanks to IP technology, brand new possibilities are opening.

Passenger information system

The solution enables efficient content management, distribution and reproduction of audio and visual real-time passenger information and announcements over dedicated information displays or loudspeakers.

It includes both predictions about arrival and departure times, as well as information about the nature and causes of disruptions.

Incident response management

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.

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

We make your investments efficient and gradually move you to modern IP communications, when and where it makes most sense for you.
We know how to get railway network infocommunications done right for your next big project.

ISKRATEL

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