Railway solutions for safe, on-time and connected journeys
Do you know that Nokia is the mission-critical railway solutions provider?
The Nokia communications networks help operators address the railway industry challenges

- Deploying new safety related applications and broadband multi-services networks
- Highly secure and resilient wireless and fixed communication networks
- Non-stop operations with always-on communication networks
- Meet redundancy requirements of mission critical networks
- Automation of trains and operations
- Standard network solutions to ensure efficient long term support
- Preventive maintenance with machine-to-machine / Internet of Things
- Smooth migration of legacy technology to NG

Maintain safety as the highest priority

Broadband services for passengers & operations

Stay on time / efficient operation

Improving passenger experience and generate non-fare revenues

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Nokia is a unique vendor in the industry with a complete end-to-end mission-critical Railway communications portfolio.
Our customer references
Main line, freight rail and mass transit

Mass transit
Urban rail
- Brazil
- Belgium
- Germany
- Portugal
- Turkey
- China
- Mexico
- Denmark
- Ireland
- Russia
- Egypt
- South Korea
- Panama
- France
- Italy
- Spain
- Saudi Arabia
- India
- U.S.A.
- Sweden
- Norway
- Finland
- Slovakia
- UK
- Belgium
- Italy
- Sweden
- Brazil
- Spain
- France
- Norway
- Sweden
- U.S.A.
- Belgium
- Sweden
- Germany
- Finland
- Italy
- Portugal
- Switzerland
- Poland
- Russia
- China
- Norway
- France
- Portugal
- South Africa
- Canada
- Bulgaria
- Greece
- Poland
- China
- Chile
- Denmark
- Italy
- Portugal
- Algeria
- Mauritania
- India
- China
- Japan
- Australia
- China
- Mauritania
- India
- China
- Japan

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Why Nokia mission-critical railway solutions?

30+ years railway experience with the most complete e2e portfolio and professional services

Expert in smooth migration of legacy networks to IP

Nokia - leading the innovations with Bell Labs to shape the railways of the future

20 GSM-R networks deployed and live

LTE leadership & best-in-class broadband solutions for train control, train operations, passengers and stations

80 mission critical railway networks deployed and live

Specialist of multi-services communication networks for both operations and passengers
Nokia mission-critical railway solutions for safe, on-time and connected journeys

Railway infrastructure is a critical component for a strong and sustainable economic environment in any country or region. The railways industry is entering an increasingly open and competitive world. Ensuring safety is still the main concern, while improving efficiency of operations, reducing the total cost of ownership (TCO) and ensuring connected journeys are also becoming major topics.

Communication networks play a crucial role in helping railway operators and public transport authorities ensure on-time, safe and connected journeys. They run alongside the railways infrastructure and are the path to providing reliable voice and data services for train control, operations and emergency communications, multimedia collaboration, video protection and also passenger connectivity.

Nokia helps guarantee future-proof investments with carrier-grade, highly reliable network solutions based on standardized technologies. We are also enabling smooth migration of legacy products and services towards the next generation of Railways broadband technology.

For further information, case studies and commentary visit networks.nokia.com/railways