

Global Railway Management System Market: Size, Trend, Share, and Opportunity Analysis & Forecast, 2014–2025

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Abstracts

Railway management system is a communication platform to offer effective method of regulating trains by monitoring their movement, induction, and withdrawal of brakes. It assembles signaling information such as track circuits, route setting, signals, points, and helps the railway management systems to control and monitors the flow of information between the different sub-systems like doors & converters, also between the train and ground. The railway management system offers efficient and reliable train operation, high-level of safety and security, as well as convenient and excellent services for passengers.

Based on system and solution, market is segmented into rail operation management system, rail traffic management system, rail asset management system, rail control system, and rail maintenance management system. Based on services, it is divided into professional service, consulting service, system integration & deployment, support & maintenance, and managed service. Geographical breakdown and deep analysis of each of the aforesaid segments is included for North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Increasing freight and passenger traffic

Increasing globalization of economic activities coupled with increasing infrastructure

Restraints:

Stringent safety regulations

MARKET PLAYERS:

The top players in the global railway management system market include Indra Sistemas, Computer Sciences Corporation, GE Transportation, ABB Ltd., Ansaldo STS, Hitachi Ltd., Alstom, IBM Corporation and Bombardier Inc.

KEY TAKEAWAYS

MARKET LANDSCAPE

By System and Solution

Rail Operation Management System

Facility management solution

Revenue management solution

Ticketing management solution

Workforce management solution

Rail automation management solution

Rail Traffic Management System

Intelligent signaling solution

Real-time train planning and route scheduling solution

Centralized traffic control solution

Traffic analytics

Rail Asset Management System

Train information solution

Track monitoring solution

Asset performance analytics

Rail Control System

Positive train control solution

Communication-based train control solution

Integrated control system

Rail Maintenance Management System

Vehicle maintenance scheduling solution

Predictive analytics for maintenance management solution

By Service

Professional Service

Consulting service

System integration & deployment

Support & maintenance

Managed Service

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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COMPANIES MENTIONED

Computer Sciences Corporation, GE Transportation, ABB Ltd., Ansaldo STS, Hitachi Ltd., Alstom, IBM Corporation and Bombardier Inc.

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