

Railway Management System Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global railway management system market size reached US\$ 50.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 97.9 Billion by 2028, exhibiting a growth rate (CAGR) of 11% during 2023-2028.

A railway management system involves various tools that are designed for performing, supporting, and managing different operations effectively across the railway industry. It necessitates continuous freight operations, such as rail planning and traffic, assets, infrastructure management, operation control, station communication, and maintenance schedules. These solutions assist in overseeing booking details, checking the availability of trains based on sources and destinations, tracking speed, analyzing data, handling cargo, and managing staff and passenger information. Apart from this, railway management systems employ advanced digital communication and disaster management systems, which further help in delivering enhanced consumer satisfaction, while ensuring optimum security and safety. At present, it is commercially categorized based on its varying deployment models, such as on-premises and cloud.

Railway Management System Market Trends:

The widespread adoption of railway management systems can be attributed to the increasing need to optimize transportation management, reduce operational costs, ensure the safety of passengers, and improve revenue. This, along with rapid urbanization, growing working population, and the increasing need for convenient transportation, particularly in developing regions, are currently driving the market growth across the globe. In line with this, the increasing incorporation of on-train processing systems and advanced digital communications, such as railway management systems, have enabled the availability of high-speed internet connectivity and offered enhanced

comfort to consumers, which is contributing to the market growth. Additionally, government bodies of various countries are consistently upgrading existing railway infrastructure through the integration of big data analytics, intelligent sensors, and the Internet of Things (IoT), which is acting as another major growth-inducing factor. These technologies further assist in minimizing deployment time, reducing bottlenecks, enhancing services, and facilitating efficient workflow. Apart from this, the increasing incorporation of disaster management in railway systems and the rapid establishment of smart cities across the globe are further creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global railway management system market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, deployment mode and organization size.

Breakup by Component:

Solutions

- Rail Asset Management System
- Rail Traffic Management System
- Rail Operation Management System
- Rail Control System
- Rail Maintenance Management System
- Passenger Information System
- Rail Security

Services

- Training and Consulting
- System Integration and Deployment
- Support and Maintenance
- Managed Service
- Professional Service

Breakup by Deployment Mode:

- On-premises
- Cloud-based

Breakup by Organization Size:

Small and Medium-sized Enterprises
Large Enterprises

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd., Alstom SA, Capgemini SE, Cisco Systems Inc., General Electric Company, Hitachi Ltd., Huawei Technologies Co. Ltd., Indra Sistemas S.A., International Business Machines Corporation, Nokia Corporation, Siemens AG and Thales Group.

Key Questions Answered in This Report:

How has the global railway management system market performed so far and how will it

perform in the coming years?

What has been the impact of COVID-19 on the global railway management system market?

What are the key regional markets?

What is the breakup of the market based on the component?

What is the breakup of the market based on the deployment mode?

What is the breakup of the market based on the organization size?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global railway management system market and who are the key players?

What is the degree of competition in the industry?

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