

# **Railway Management System - Global Market Outlook (2017-2026)**

<https://marketpublishers.com/r/RCC0E2843F0EN.html>

Date: August 2019

Pages: 175

Price: US\$ 4,150.00 (Single User License)

ID: RCC0E2843F0EN

## **Abstracts**

According to Statistics MRC, the Global Railway Management System market is accounted for \$28.50 billion in 2017 and is expected to reach \$83.88 billion by 2026 growing at a CAGR of 12.7%. Factors such as high demographic growth, hyper-urbanization and technological advancements are driving the market growth. However, high initial cost of deployment is hampering the growth of market.

The railway management system is incorporated with different types of the manual and automatic systems that include various kinds of tools and services, which help in quick and better management of the rail industry. The various types of services and activities performed during the operation of the railway include scheduling the rail, managing the route traffic, power supply & infrastructure management, and station control. The railway management system includes all the possible aspects related to the rail journey from the train's departure from the origin shed (parking) to its arrival at the destination shed.

Based on the component, Passenger Information System (PIS) is likely to have a huge demand because Passenger Information System (PIS) is a key communication link between transportation administrators and travelers. It is an electronic working apparatus that gives, at some random time, visual and acoustic data to travelers on a route, both consequently or customized physically. Alongside system reliability, safety, and general appearance, the capacity of the administrators to give precise and current data on landing and takeoff times is a key segment of traveler fulfillment. PIS comprises of constant train following, course data and booking, travel arranging, travel planning, and online connectivity solutions.

By geography, Asia Pacific region is constantly enhancing due to adopting new

technologies and high investments in rail infrastructure. The increasing GDP of the Asian countries is also expected to contribute to the market growth.

Some of the key players in the Railway Management System market include IBM, Huawei, Hitachi, ABB, Siemens, Toshiba, General Electric, Tech Mahindra, Thales Group, Nokia Networks, Eurotech, Bombardier, Cisco, Alstom and Sierra Wireless.

#### Components Covered:

- Solution

- Service

#### Deployment Types Covered:

- Cloud-Based

- On-Premise

#### Regions Covered:

- North America

  - US

  - Canada

  - Mexico

- Europe

  - Germany

  - UK

  - Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the clients interest (Note: Depends of feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.7 Emerging Markets
- 3.8 Futuristic Market Scenario

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

### **5 GLOBAL RAILWAY MANAGEMENT SYSTEM MARKET, BY COMPONENT**

## 5.1 Introduction

## 5.2 Solution

### 5.2.1 Rail Operation Management System

#### 5.2.1.1 Revenue Management Solution

#### 5.2.1.2 Workforce Management Solution

#### 5.2.1.3 Facility Management Solution

#### 5.2.1.4 Ticketing Revenue Management

#### 5.2.1.5 Rail Automation Management Solution

#### 5.2.1.6 Freight Revenue Management

### 5.2.2 Rail Maintenance Management System

#### 5.2.2.1 Predictive Analytics for Maintenance Management Solution

#### 5.2.2.1 Vehicle Maintenance Scheduling Solution

### 5.2.3 Rail Traffic Management System

#### 5.2.3.1 Real-Time Train Planning and Route Scheduling/Optimizing Solution

#### 5.2.3.2 Centralized Traffic Control Solution

#### 5.2.3.3 Intelligent Signaling Solution

### 5.2.4 Rail Asset Management System

#### 5.2.4.1 Track Monitoring Solution

#### 5.2.4.2 Train Information Solution

### 5.2.5 Rail Communication and Networking System

#### 5.2.5.1 Ground-To-Train Communication Solution

#### 5.2.5.2 Train-To-Train Communication Solution

### 5.2.6 Rail Control System

#### 5.2.6.1 Communication-Based Train Control Solution

#### 5.2.6.2 Positive Train Control Solution

#### 5.2.6.3 Integrated Control System

### 5.2.7 Rail Analytics

### 5.2.8 Rail Security

### 5.2.9 Passenger Information System (PIS)

### 5.2.10 Freight Information System

### 5.2.11 Other Solutions

## 5.3 Service

### 5.3.1 System Integration and Deployment

### 5.3.2 Training and Consulting

### 5.3.3 Support and Maintenance

### 5.3.4 Managed Service

### 5.3.5 Professional Service

### 5.3.6 Cloud Hosting Services

## **6 GLOBAL RAILWAY MANAGEMENT SYSTEM MARKET, BY DEPLOYMENT TYPE**

- 6.1 Introduction
- 6.2 Cloud-Based
- 6.3 On-Premise

## **7 GLOBAL RAILWAY MANAGEMENT SYSTEM MARKET, BY GEOGRAPHY**

- 7.1 Introduction
- 7.2 North America
  - 7.2.1 US
  - 7.2.2 Canada
  - 7.2.3 Mexico
- 7.3 Europe
  - 7.3.1 Germany
  - 7.3.2 UK
  - 7.3.3 Italy
  - 7.3.4 France
  - 7.3.5 Spain
  - 7.3.6 Rest of Europe
- 7.4 Asia Pacific
  - 7.4.1 Japan
  - 7.4.2 China
  - 7.4.3 India
  - 7.4.4 Australia
  - 7.4.5 New Zealand
  - 7.4.6 South Korea
  - 7.4.7 Rest of Asia Pacific
- 7.5 South America
  - 7.5.1 Argentina
  - 7.5.2 Brazil
  - 7.5.3 Chile
  - 7.5.4 Rest of South America
- 7.6 Middle East & Africa
  - 7.6.1 Saudi Arabia
  - 7.6.2 UAE
  - 7.6.3 Qatar
  - 7.6.4 South Africa
  - 7.6.5 Rest of Middle East & Africa



## **8 KEY DEVELOPMENTS**

8.1 Agreements, Partnerships, Collaborations and Joint Ventures

8.2 Acquisitions & Mergers

8.3 New Product Launch

8.4 Expansions

8.5 Other Key Strategies

## **9 COMPANY PROFILING**

9.1 IBM

9.2 Huawei

9.3 Hitachi

9.4 ABB

9.5 Siemens

9.6 Toshiba

9.7 General Electric

9.8 Tech Mahindra

9.9 Thales Group

9.10 Nokia Networks

9.11 Eurotech

9.12 Bombardier

9.13 Cisco

9.14 Alstom

9.15 Sierra Wireless

## List Of Tables

### LIST OF TABLES

- 1 Global Railway Management System Market Outlook, By Region (2016-2026) (US \$MN)
- 2 Global Railway Management System Market Outlook, By Component (2016-2026) (US \$MN)
- 3 Global Railway Management System Market Outlook, By Solution (2016-2026) (US \$MN)
- 4 Global Railway Management System Market Outlook, By Rail Operation Management System (2016-2026) (US \$MN)
- 5 Global Railway Management System Market Outlook, By Revenue Management Solution (2016-2026) (US \$MN)
- 6 Global Railway Management System Market Outlook, By Workforce Management Solution (2016-2026) (US \$MN)
- 7 Global Railway Management System Market Outlook, By Facility Management Solution (2016-2026) (US \$MN)
- 8 Global Railway Management System Market Outlook, By Ticketing Revenue Management (2016-2026) (US \$MN)
- 9 Global Railway Management System Market Outlook, By Rail Automation Management Solution (2016-2026) (US \$MN)
- 10 Global Railway Management System Market Outlook, By Freight Revenue Management (2016-2026) (US \$MN)
- 11 Global Railway Management System Market Outlook, By Rail Maintenance Management System (2016-2026) (US \$MN)
- 12 Global Railway Management System Market Outlook, By Predictive Analytics for Maintenance Management Solution (2016-2026) (US \$MN)
- 13 Global Railway Management System Market Outlook, By Vehicle Maintenance Scheduling Solution (2016-2026) (US \$MN)
- 14 Global Railway Management System Market Outlook, By Rail Traffic Management System (2016-2026) (US \$MN)
- 15 Global Railway Management System Market Outlook, By Real-Time Train Planning and Route Scheduling/Optimizing Solution (2016-2026) (US \$MN)
- 16 Global Railway Management System Market Outlook, By Centralized Traffic Control Solution (2016-2026) (US \$MN)
- 17 Global Railway Management System Market Outlook, By Intelligent Signaling Solution (2016-2026) (US \$MN)
- 18 Global Railway Management System Market Outlook, By Rail Asset Management

System (2016-2026) (US \$MN)

19 Global Railway Management System Market Outlook, By Track Monitoring Solution (2016-2026) (US \$MN)

20 Global Railway Management System Market Outlook, By Train Information Solution (2016-2026) (US \$MN)

21 Global Railway Management System Market Outlook, By Rail Communication and Networking System (2016-2026) (US \$MN)

22 Global Railway Management System Market Outlook, By Ground-To-Train Communication Solution (2016-2026) (US \$MN)

23 Global Railway Management System Market Outlook, By Train-To-Train Communication Solution (2016-2026) (US \$MN)

24 Global Railway Management System Market Outlook, By Rail Control System (2016-2026) (US \$MN)

25 Global Railway Management System Market Outlook, By Communication-Based Train Control Solution (2016-2026) (US \$MN)

26 Global Railway Management System Market Outlook, By Positive Train Control Solution (2016-2026) (US \$MN)

27 Global Railway Management System Market Outlook, By Integrated Control System (2016-2026) (US \$MN)

28 Global Railway Management System Market Outlook, By Rail Analytics (2016-2026) (US \$MN)

29 Global Railway Management System Market Outlook, By Rail Security (2016-2026) (US \$MN)

30 Global Railway Management System Market Outlook, By Passenger Information System (PIS) (2016-2026) (US \$MN)

31 Global Railway Management System Market Outlook, By Freight Information System (2016-2026) (US \$MN)

32 Global Railway Management System Market Outlook, By Other Solutions (2016-2026) (US \$MN)

33 Global Railway Management System Market Outlook, By Service (2016-2026) (US \$MN)

34 Global Railway Management System Market Outlook, By System Integration and Deployment (2016-2026) (US \$MN)

35 Global Railway Management System Market Outlook, By Training and Consulting (2016-2026) (US \$MN)

36 Global Railway Management System Market Outlook, By Support and Maintenance (2016-2026) (US \$MN)

37 Global Railway Management System Market Outlook, By Managed Service (2016-2026) (US \$MN)

38 Global Railway Management System Market Outlook, By Professional Service  
(2016-2026) (US \$MN)

39 Global Railway Management System Market Outlook, By Cloud Hosting Services  
(2016-2026) (US \$MN)

40 Global Railway Management System Market Outlook, By Deployment Type  
(2016-2026) (US \$MN)

41 Global Railway Management System Market Outlook, By Cloud-Based (2016-2026)  
(US \$MN)

42 Global Railway Management System Market Outlook, By On-Premise (2016-2026)  
(US \$MN)

NOTE: Tables for North America, Europe, Asia Pacific, South America, and Middle East  
& Africa are represented in the same manner above.

## I would like to order

Product name: Railway Management System - Global Market Outlook (2017-2026)

Product link: <https://marketpublishers.com/r/RCC0E2843F0EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/RCC0E2843F0EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970