

# **Global Digital Railway Market Size study & Forecast, by Solutions (Remote Monitoring, Network Management, Security, Analytics) by Services (Managed Services, Professionals) by Application (Rail Operations Management, Passenger Information System, and Asset Management) and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/GCB48CD844E6EN.html>

Date: November 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GCB48CD844E6EN

## **Abstracts**

Global Digital Railway Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2029. Digital Railway refers to the digitalization and transformation of technologies such as advancement in services, automated ticketing process, railway operations, managing railway traffic, self-learning algorithms, maintenance schedules with managing railway traffic, and so on. It includes the adoption of the latest software solutions across the railway infrastructure to upgrade public demand in an effective way and offer safe services. The Digital Railway Market is expanding because of factors such as rising passenger numbers and the adoption of IoT devices in railways in the forecast period.

According to the World Bank in 2018, around 3 million people in Afghanistan, 1,602 million in Algeria, 17,586 in Australia, 13,205 in Austria, and 466 million people in Azerbaijan are dependent on the railway for transportation every day. Also, according to the Eureka Alert in 2020, an increase of around 2.4% has been seen in morning arrivals and a 1.2 % increase is seen in evening departures via train. Whereas the requirement for advanced transportation infrastructure and the demand & adoption of autonomous trains globally by the government of various countries creates lucrative opportunities for the market. However, higher deployment cost hampers the market growth throughout

the forecast period of 2022-2029.

The key regions considered for the Global Digital Railway Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Europe dominated the market across the globe in terms of revenue generation, owing to the rising investment in the modernization of railway services. Additionally higher cross-border trade and rising passenger traffic is another major factor boosting the market growth across the region. Also, Europe is projected to grow with the highest CAGR owing to the factors such as rising digitalization, and adoption of IoT devices across railway services in the forecast period.

Major market players included in this report are:

Siemens (Germany),  
Cisco System, Inc (US),  
Hitachi, Ltd (Japan),  
Wabtec Corporation (US),  
Alstom (France),  
International Business Machines Corporation  
ABB (Switzerland),  
Huawei Technologies Co., Ltd.  
Thales Group (France),  
Fujitsu Limited (Japan),

Recent Developments in the Market:

In December 2021, Siemens in collaboration with VGF (Germany) developed Digital Train Control System. This new and advanced system has replaced the conventional train control system used in metro and train networks. It offers increased capacity, and efficiency of train routes, especially across underground sections.

In November 2021, ABB Ability One Box – Marine Signals Monitoring introduced a new point of entry to digitalization for ship owners. It provides data about ship performance which helps improve efficiency, fuel consumption, reduces emissions, and so on. It also provides information to the ship owners that helps them meet the International Maritime Organization's decarbonization requirements for the existing ships.

Global Digital Railway Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Solutions, Services, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study.

The report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the market's future growth. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Solutions:

Remote Monitoring,  
Network Management  
Security  
Analytics

By Services:

Managed Services  
Professionals

By Application:

Rail Operations Management,  
Passenger Information System,  
Asset Management

By Region:

North America  
U.S.  
Canada  
Europe  
UK  
Germany  
France  
Spain

Italy  
ROE  
Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
  - 1.2.1. Digital Railway Market, by Region, 2019-2029 (USD Billion)
  - 1.2.2. Digital Railway Market, by Solutions, 2019-2029 (USD Billion)
  - 1.2.3. Digital Railway Market, by Services, 2019-2029 (USD Billion)
  - 1.2.4. Digital Railway Market, by Application, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL DIGITAL RAILWAY MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL DIGITAL RAILWAY MARKET DYNAMICS**

- 3.1. Digital Railway Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Rising passenger numbers
    - 3.1.1.2. Adoption of IoT devices in railways
  - 3.1.2. Market Challenges
    - 3.1.2.1. Higher deployment cost
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Requirement of advanced transportation infrastructure
    - 3.1.3.2. Demand and adoption of the autonomous train across various countries

### **CHAPTER 4. GLOBAL DIGITAL RAILWAY MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers

- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL DIGITAL RAILWAY MARKET, BY SOLUTIONS**

- 6.1. Market Snapshot
- 6.2. Global Digital Railway Market by Solutions, Performance - Potential Analysis
- 6.3. Global Digital Railway Market Estimates & Forecasts by Solutions 2019-2029 (USD Billion)
- 6.4. Digital Railway Market, Sub Segment Analysis
  - 6.4.1. Remote Monitoring
  - 6.4.2. Network Management
  - 6.4.3. Security
  - 6.4.4. Analytics

## **CHAPTER 7. GLOBAL DIGITAL RAILWAY MARKET, BY SERVICES**

- 7.1. Market Snapshot
- 7.2. Global Digital Railway Market by Services, Performance - Potential Analysis
- 7.3. Global Digital Railway Market Estimates & Forecasts by Services 2019-2029 (USD Billion)
- 7.4. Digital Railway Market, Sub Segment Analysis

7.4.1. Managed Services

7.4.2. Professionals

## **CHAPTER 8. GLOBAL DIGITAL RAILWAY MARKET, BY APPLICATION**

8.1. Market Snapshot

8.2. Global Digital Railway Market by Application Performance - Potential Analysis

8.3. Global Digital Railway Market Estimates & Forecasts by Application 2019-2029  
(USD Billion)

8.4. Global Digital Railway Market Estimates & Forecasts by Application 2019-2029  
(USD Billion)

8.5. Digital Railway Market, Sub Segment Analysis

8.5.1. Rail Operations Management,

8.5.2. Passenger Information System,

8.5.3. Asset Management

## **CHAPTER 9. GLOBAL DIGITAL RAILWAY MARKET, REGIONAL ANALYSIS**

9.1. Digital Railway Market, Regional Market Snapshot

9.2. North America Digital Railway Market

9.2.1. U.S. Digital Railway Market

9.2.1.1. Solutions breakdown estimates & forecasts, 2019-2029

9.2.1.2. Services breakdown estimates & forecasts, 2019-2029

9.2.1.3. Application breakdown estimates & forecasts, 2019-2029

9.2.2. Canada Digital Railway Market

9.3. Europe Digital Railway Market Snapshot

9.3.1. U.K. Digital Railway Market

9.3.2. Germany Digital Railway Market

9.3.3. France Digital Railway Market

9.3.4. Spain Digital Railway Market

9.3.5. Italy Digital Railway Market

9.3.6. Rest of Europe Digital Railway Market

9.4. Asia-Pacific Digital Railway Market Snapshot

9.4.1. China Digital Railway Market

9.4.2. India Digital Railway Market

9.4.3. Japan Digital Railway Market

9.4.4. Australia Digital Railway Market

9.4.5. South Korea Digital Railway Market

9.4.6. Rest of Asia Pacific Digital Railway Market

- 9.5. Latin America Digital Railway Market Snapshot
  - 9.5.1. Brazil Digital Railway Market
  - 9.5.2. Mexico Digital Railway Market
- 9.6. Rest of The World Digital Railway Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Top Market Strategies
- 10.2. Company Profiles
  - 10.2.1. Siemens (Germany),
    - 10.2.1.1. Key Information
    - 10.2.1.2. Overview
    - 10.2.1.3. Financial (Subject to Data Availability)
    - 10.2.1.4. Product Summary
    - 10.2.1.5. Recent Developments
  - 10.2.2. Cisco System, Inc. (US),
  - 10.2.3. Hitachi, Ltd (Japan),
  - 10.2.4. Wabtec Corporation (US),
  - 10.2.5. Alstom (France),
  - 10.2.6. International Business Machines Corporation
  - 10.2.7. ABB (Switzerland),
  - 10.2.8. Huawei Technologies Co., Ltd.
  - 10.2.9. Thales Group (France),
  - 10.2.10. Fujitsu limited (Japan),

## **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation
  - 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption



## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Digital Railway Market, report scope
- TABLE 2. Global Digital Railway Market estimates & forecasts by Region 2019-2029 (USD Billion)
- TABLE 3. Global Digital Railway Market estimates & forecasts by Solutions 2019-2029 (USD Billion)
- TABLE 4. Global Digital Railway Market estimates & forecasts by Services 2019-2029 (USD Billion)
- TABLE 5. Global Digital Railway Market estimates & forecasts by Application 2019-2029 (USD Billion)
- TABLE 6. Global Digital Railway Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 7. Global Digital Railway Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 8. Global Digital Railway Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 9. Global Digital Railway Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 10. Global Digital Railway Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 11. Global Digital Railway Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 12. Global Digital Railway Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 13. Global Digital Railway Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 14. Global Digital Railway Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 15. Global Digital Railway Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 16. U.S. Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 17. U.S. Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 18. U.S. Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 19. Canada Digital Railway Market estimates & forecasts, 2019-2029 (USD

Billion)

TABLE 20. Canada Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. Canada Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 23. UK Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. UK Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 26. Germany Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. Germany Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 29. France Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. France Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 32. Italy Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Italy Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 35. Spain Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. Spain Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 38. RoE Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 39. RoE Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 40. China Digital Railway Market estimates & forecasts, 2019-2029 (USD

Billion)

TABLE 41. China Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. China Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 43. India Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 44. India Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. India Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 46. Japan Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 47. Japan Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. Japan Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 49. South Korea Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 50. South Korea Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. South Korea Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 52. Australia Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 53. Australia Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. Australia Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 55. RoAPAC Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 56. RoAPAC Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. RoAPAC Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 58. Brazil Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 59. Brazil Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Brazil Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 61. Mexico Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 62. Mexico Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. Mexico Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 64. RoLA Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 65. RoLA Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. RoLA Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 67. Row Digital Railway Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 68. Row Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. Row Digital Railway Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Digital Railway Market

TABLE 71. List of primary sources, used in the study of global Digital Railway Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Digital Railway Market, research methodology
  - FIG 2. Global Digital Railway Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Digital Railway Market, key trends 2021
  - FIG 5. Global Digital Railway Market, growth prospects 2022-2029
  - FIG 6. Global Digital Railway Market, porters 5 force model
  - FIG 7. Global Digital Railway Market, pest analysis
  - FIG 8. Global Digital Railway Market, value chain analysis
  - FIG 9. Global Digital Railway Market by segment, 2019 & 2029 (USD Billion)
  - FIG 10. Global Digital Railway Market by segment, 2019 & 2029 (USD Billion)
  - FIG 11. Global Digital Railway Market by segment, 2019 & 2029 (USD Billion)
  - FIG 12. Global Digital Railway Market by segment, 2019 & 2029 (USD Billion)
  - FIG 13. Global Digital Railway Market by segment, 2019 & 2029 (USD Billion)
  - FIG 14. Global Digital Railway Market, regional snapshot 2019 & 2029
  - FIG 15. North America Digital Railway Market 2019 & 2029 (USD Billion)
  - FIG 16. Europe Digital Railway Market 2019 & 2029 (USD Billion)
  - FIG 17. Asia pacific Digital Railway Market 2019 & 2029 (USD Billion)
  - FIG 18. Latin America Digital Railway Market 2019 & 2029 (USD Billion)
  - FIG 19. Global Digital Railway Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Digital Railway Market Size study & Forecast, by Solutions (Remote Monitoring, Network Management, Security, Analytics) by Services (Managed Services, Professionals) by Application (Rail Operations Management, Passenger Information System, and Asset Management) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/GCB48CD844E6EN.html>

Price: US\$ 4,950.00 (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/GCB48CD844E6EN.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