

Global Smart Railways Market Report and Forecast 2023-2028

Market Report | 2023-07-11 | 190 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$2999.00
- Five User License \$3999.00
- Corporate License \$4999.00

Report description:

Global Smart Railways Market Report and Forecast 2023-2028

Market Outlook

According to the report by Expert Market Research (EMR), the global smart railways market reached a value of USD 26.2 billion in 2022. Aided by the growing need for advanced and efficient railway transportation systems and the increasing adoption of smart railways in diverse regions, the market is projected to further grow at a CAGR of 8.11% between 2023 and 2028 to reach a value of USD 43.05 billion by 2028.

Smart railways represent a leap forward in railway transportation, integrating advanced Information and Communication Technology (ICT) with traditional railway networks to optimise operational efficiency, passenger experience, and safety. Incorporating innovative features like predictive maintenance, real-time data sharing, advanced security systems, and intelligent ticketing systems, smart railways are redefining transportation infrastructure on a global scale.

The escalating demand for efficient, safe, and convenient transportation systems is propelling the global smart railways market development. With increasing urbanisation and the corresponding growth in the number of commuters, the need for upgraded transportation infrastructure that can handle this volume is becoming paramount. Smart railways, with their enhanced capabilities, are an ideal solution, leading to a surge in market demand.

Additionally, the push towards sustainable transportation plays a significant role in the growth of the smart railways market. Smart railways are inherently more energy-efficient and reduce carbon emissions, aligning with global sustainability objectives. Furthermore, they can adapt to the varying demand by efficiently managing resources, thereby contributing to the conservation of energy.

The applicability of smart railways across various types of railway networks also significantly contributes to the market growth. From urban metros to long-distance trains, smart railways can be effectively implemented across all railway infrastructures. Moreover, with the growth in tourism and the subsequent increase in demand for efficient intercity transport, smart railways are gaining prominence in the transportation sector.

Moreover, the ongoing technological advancements, such as IoT, AI, and Big Data analytics, are enhancing the capabilities of smart railways, boosting the smart railways market expansion. These technologies enable real-time monitoring and predictive maintenance, improve the management of railway traffic, and provide personalised services to passengers, thereby increasing the

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

attractiveness of smart railways.

Furthermore, the global trend towards smart cities is resulting in an increased focus on smart railways as a critical component of urban infrastructure. As cities become more connected, efficient, and sustainable, smart railways are recognised as an essential solution for public transportation, thereby boosting smart railways market growth.

Market Segmentation

The market can be divided based on system, offering, and region.

Market Breakup by System

- Rail & Freight Operations Management System
- Passenger Information System
- Smart Safety and Security Monitoring System
- Rail Communication and Networking System
- Smart Ticketing System
- Rail Analytics System
- Others

Market Breakup by Offering

- Solutions
- Services
- Components and Devices

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and acquisitions and mergers, among other major developments, of the global smart railways companies. Some of the major key players explored in the report by Expert Market Research are as follows:

- Cisco Systems, Inc.
- Alstom Holdings
- Siemens AG
- Hitachi, Ltd.
- ALE International
- Huawei Technologies Co. Ltd
- IBM Corp.
- Thales Group
- Cyient Ltd.
- Toshiba Infrastructure Systems & Solutions Corporation
- Others

About Us

Acquire unparalleled access to critical industry insights with our comprehensive market research reports, meticulously prepared by a team of seasoned experts. These reports are designed to equip decision-makers with an in-depth understanding of prevailing market trends, competitive landscapes, and growth opportunities.

Our high-quality, data-driven analyses provide the essential framework for organisations seeking to make informed and strategic decisions in an increasingly complex and rapidly evolving business environment. By investing in our market research reports, you can ensure your organisation remains agile, proactive, and poised for success in today's competitive market.

Don't miss the opportunity to elevate your business intelligence and fortify your strategic planning. Secure your organisation's

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

future success by acquiring one of our Expert Market Research reports today.

*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
 - 3.1 Market Definition and Outlook
 - 3.2 Properties and Applications
 - 3.3 Market Analysis
 - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
 - 5.1 Overview
 - 5.2 Key Drivers
 - 5.3 Key Developments
 - 5.4 Competitive Structure
 - 5.5 Key Industrial Trends
- 6 Market Snapshot
 - 6.1 Global
 - 6.2 Regional
- 7 Opportunities and Challenges in the Market
- 8 Global Smart Railways Market Analysis
 - 8.1 Key Industry Highlights
 - 8.2 Global Smart Railways Historical Market (2018-2022)
 - 8.3 Global Smart Railways Market Forecast (2023-2028)
 - 8.4 Global Smart Railways Market by System
 - 8.4.1 Rail & Freight Operations Management System
 - 8.4.1.1 Historical Trend (2018-2022)
 - 8.4.1.2 Forecast Trend (2023-2028)
 - 8.4.2 Passenger Information System
 - 8.4.2.1 Historical Trend (2018-2022)
 - 8.4.2.2 Forecast Trend (2023-2028)
 - 8.4.3 Smart Safety and Security Monitoring System
 - 8.4.3.1 Historical Trend (2018-2022)
 - 8.4.3.2 Forecast Trend (2023-2028)
 - 8.4.4 Rail Communication and Networking System
 - 8.4.4.1 Historical Trend (2018-2022)
 - 8.4.4.2 Forecast Trend (2023-2028)
 - 8.4.5 Smart Ticketing System
 - 8.4.5.1 Historical Trend (2018-2022)
 - 8.4.5.2 Forecast Trend (2023-2028)
 - 8.4.6 Rail Analytics System
 - 8.4.6.1 Historical Trend (2018-2022)
 - 8.4.6.2 Forecast Trend (2023-2028)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.4.7 Others
- 8.5 Global Smart Railways Market by Offering
 - 8.5.1 Solutions
 - 8.5.1.1 Historical Trend (2018-2022)
 - 8.5.1.2 Forecast Trend (2023-2028)
 - 8.5.2 Services
 - 8.5.2.1 Historical Trend (2018-2022)
 - 8.5.2.2 Forecast Trend (2023-2028)
 - 8.5.3 Components and Devices
 - 8.5.3.1 Historical Trend (2018-2022)
 - 8.5.3.2 Forecast Trend (2023-2028)
- 8.6 Global Smart Railways Market by Region
 - 8.6.1 North America
 - 8.6.1.1 Historical Trend (2018-2022)
 - 8.6.1.2 Forecast Trend (2023-2028)
 - 8.6.2 Europe
 - 8.6.2.1 Historical Trend (2018-2022)
 - 8.6.2.2 Forecast Trend (2023-2028)
 - 8.6.3 Asia Pacific
 - 8.6.3.1 Historical Trend (2018-2022)
 - 8.6.3.2 Forecast Trend (2023-2028)
 - 8.6.4 Latin America
 - 8.6.4.1 Historical Trend (2018-2022)
 - 8.6.4.2 Forecast Trend (2023-2028)
 - 8.6.5 Middle East and Africa
 - 8.6.5.1 Historical Trend (2018-2022)
 - 8.6.5.2 Forecast Trend (2023-2028)
- 9 North America Smart Railways Market Analysis
 - 9.1 United States of America
 - 9.1.1 Historical Trend (2018-2022)
 - 9.1.2 Forecast Trend (2023-2028)
 - 9.2 Canada
 - 9.2.1 Historical Trend (2018-2022)
 - 9.2.2 Forecast Trend (2023-2028)
- 10 Europe Smart Railways Market Analysis
 - 10.1 United Kingdom
 - 10.1.1 Historical Trend (2018-2022)
 - 10.1.2 Forecast Trend (2023-2028)
 - 10.2 Germany
 - 10.2.1 Historical Trend (2018-2022)
 - 10.2.2 Forecast Trend (2023-2028)
 - 10.3 France
 - 10.3.1 Historical Trend (2018-2022)
 - 10.3.2 Forecast Trend (2023-2028)
 - 10.4 Italy
 - 10.4.1 Historical Trend (2018-2022)
 - 10.4.2 Forecast Trend (2023-2028)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.5 Others
- 11 Asia Pacific Smart Railways Market Analysis
 - 11.1 China
 - 11.1.1 Historical Trend (2018-2022)
 - 11.1.2 Forecast Trend (2023-2028)
 - 11.2 Japan
 - 11.2.1 Historical Trend (2018-2022)
 - 11.2.2 Forecast Trend (2023-2028)
 - 11.3 India
 - 11.3.1 Historical Trend (2018-2022)
 - 11.3.2 Forecast Trend (2023-2028)
 - 11.4 ASEAN
 - 11.4.1 Historical Trend (2018-2022)
 - 11.4.2 Forecast Trend (2023-2028)
 - 11.5 Australia
 - 11.5.1 Historical Trend (2018-2022)
 - 11.5.2 Forecast Trend (2023-2028)
 - 11.6 Others
- 12 Latin America Smart Railways Market Analysis
 - 12.1 Brazil
 - 12.1.1 Historical Trend (2018-2022)
 - 12.1.2 Forecast Trend (2023-2028)
 - 12.2 Argentina
 - 12.2.1 Historical Trend (2018-2022)
 - 12.2.2 Forecast Trend (2023-2028)
 - 12.3 Mexico
 - 12.3.1 Historical Trend (2018-2022)
 - 12.3.2 Forecast Trend (2023-2028)
 - 12.4 Others
- 13 Middle East and Africa Smart Railways Market Analysis
 - 13.1 Saudi Arabia
 - 13.1.1 Historical Trend (2018-2022)
 - 13.1.2 Forecast Trend (2023-2028)
 - 13.2 United Arab Emirates
 - 13.2.1 Historical Trend (2018-2022)
 - 13.2.2 Forecast Trend (2023-2028)
 - 13.3 Nigeria
 - 13.3.1 Historical Trend (2018-2022)
 - 13.3.2 Forecast Trend (2023-2028)
 - 13.4 South Africa
 - 13.4.1 Historical Trend (2018-2022)
 - 13.4.2 Forecast Trend (2023-2028)
 - 13.5 Others
- 14 Market Dynamics
 - 14.1 SWOT Analysis
 - 14.1.1 Strengths
 - 14.1.2 Weaknesses

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 14.1.3 Opportunities
- 14.1.4 Threats
- 14.2 Porter's Five Forces Analysis
 - 14.2.1 Supplier's Power
 - 14.2.2 Buyer's Power
 - 14.2.3 Threat of New Entrants
 - 14.2.4 Degree of Rivalry
 - 14.2.5 Threat of Substitutes
- 14.3 Key Indicators for Demand
- 14.4 Key Indicators for Price
- 15 Competitive Landscape
 - 15.1 Market Structure
 - 15.2 Company Profiles
 - 15.2.1 Cisco Systems, Inc.
 - 15.2.1.1 Company Overview
 - 15.2.1.2 Product Portfolio
 - 15.2.1.3 Demographic Reach and Achievements
 - 15.2.1.4 Certifications
 - 15.2.2 Alstom Holdings
 - 15.2.2.1 Company Overview
 - 15.2.2.2 Product Portfolio
 - 15.2.2.3 Demographic Reach and Achievements
 - 15.2.2.4 Certifications
 - 15.2.3 Siemens AG
 - 15.2.3.1 Company Overview
 - 15.2.3.2 Product Portfolio
 - 15.2.3.3 Demographic Reach and Achievements
 - 15.2.3.4 Certifications
 - 15.2.4 Hitachi, Ltd.
 - 15.2.4.1 Company Overview
 - 15.2.4.2 Product Portfolio
 - 15.2.4.3 Demographic Reach and Achievements
 - 15.2.4.4 Certifications
 - 15.2.5 ALE International
 - 15.2.5.1 Company Overview
 - 15.2.5.2 Product Portfolio
 - 15.2.5.3 Demographic Reach and Achievements
 - 15.2.5.4 Certifications
 - 15.2.6 Huawei Technologies Co. Ltd
 - 15.2.6.1 Company Overview
 - 15.2.6.2 Product Portfolio
 - 15.2.6.3 Demographic Reach and Achievements
 - 15.2.6.4 Certifications
 - 15.2.7 IBM Corp.
 - 15.2.7.1 Company Overview
 - 15.2.7.2 Product Portfolio
 - 15.2.7.3 Demographic Reach and Achievements

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 15.2.7.4 Certifications
- 15.2.8 Thales Group
 - 15.2.8.1 Company Overview
 - 15.2.8.2 Product Portfolio
 - 15.2.8.3 Demographic Reach and Achievements
 - 15.2.8.4 Certifications
- 15.2.9 Cyient Ltd.
 - 15.2.9.1 Company Overview
 - 15.2.9.2 Product Portfolio
 - 15.2.9.3 Demographic Reach and Achievements
 - 15.2.9.4 Certifications
- 15.2.10 Toshiba Infrastructure Systems & Solutions Corporation
 - 15.2.10.1 Company Overview
 - 15.2.10.2 Product Portfolio
 - 15.2.10.3 Demographic Reach and Achievements
 - 15.2.10.4 Certifications
- 15.2.11 Others
- 16 Key Trends and Developments in the Market

Global Smart Railways Market Report and Forecast 2023-2028

Market Report | 2023-07-11 | 190 pages | EMR Inc.

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$2999.00
	Five User License	\$3999.00
	Corporate License	\$4999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ ** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-05"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com