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Global Railway Signalling System Market Size study & Forecast, by Technology Type (Automatic Train Protection (ATP) System, Positive Train Control (PTC) System, Communication-Based Train Control (CBTC) System, Automatic Train Operation (ATO) System) by Application Type (Inside the Station, Outside the Station) and Regional Analysis, 2022-2029

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Abstracts

Global Railway Signalling System Market is valued at approximately USD 12.8 Billion in 2021 and is anticipated to grow with a healthy growth rate of more than 5.5% over the forecast period 2022-2029. A rail signalling system, often known as railroad signalling, is a system that controls the passage of trains. The railway signalling system is used to prevent railway traffic from colliding with other trains, derailing train waggons, and colliding with railway infrastructure. It also aids in the detection of train positions and gives route and station information. Furthermore, permissive signals and absolute signals are types of railway signals. The Railway Signalling System Market is expanding because of factors such as rising government spending on railway projects, and the increasing need for rail transit safety and compliance are driving market demand across the world.

Governments of various countries are sanctioning new railway projects, including new lines, and doubling existing lines. Major railway projects are being developed and built in several nations. In the United States, for example, around USD 245 billion was spent on public transportation and railroad projects in 2020. In addition, the government spent $16.5 million under the rail safety improvement programme to fund 16 new projects and initiatives. In addition, the Indian government intends to invest USD 704.2 million in railway projects through 2023. Increased demand for rail transit safety and compliance

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leads to the adoption of enhanced rail infrastructure. For example, the Federal Railroad Administration (FRA) launched a $368 million Consolidated Rail Infrastructure and Safety Improvements (CRISI) grant programme in June 2022 to fund 46 projects in 32 states and the District of Columbia. These investments are projected to play a critical role in updating the region's rail infrastructure and supply chains, reducing crowding and moving people and products where they need to go quickly and economically. Also, the development of high-speed railway projects and the rising automation of urban rail infrastructure will provide lucrative growth opportunities for the market during the forecast period. However, the high initial investment and lack of skilled professionals hamper market growth during the forecast period of 2022-2029.

The key regions considered for the Global Railway Signalling System Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the well-established high-speed railroads and already installed advanced signal regulating systems in all major cities and nations, it is predicted to increase and exhibit stable growth in the future. Furthermore, the gradual replacement of traditional systems with modern, cost-effective, and consistent solutions to give greater efficiency and safety is likely to drive market expansion in these established industries. Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to the expansion of railway network projects and enhanced signalling systems on new and current high-speed railway networks is linked to this disruptive growth.

Major market player included in this report are:
Alstom (Saint-Ouen, France)
Hitachi Rail Limited (Tokyo, Japan)
Thales Group (La Defense, France)
Siemens Mobility (Munich, Germany)
China Railway Signal and Communication Co, Ltd. (Beijing, China)
Nippon Signal (Japan)
MER MEC S.p.A. (Monopoli, Italy)
Glarun Technology (China)
Cisco Systems Inc. (California, United States)
Huawei Technologies Co. Ltd. (Shenzhen, China)

Recent Developments in the Market:
In November 2020, 'Nippon Signal Co., Ltd.' a key player in railway signalling systems, plans to expand its presence in Taiwan by establishing an engineering facility for commercial expansion.

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In August 2021, Hitachi Rail agreed to purchase Thale's Ground Transportation Systems' division for USD 1796.04 million. Furthermore, by advancing its mobility as a service (MAAS) offering, the Hitachi train division will be able to reach $9.2 billion in revenue by 2026.

Global Railway Signalling System 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 Technology Type, Application Type, 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 market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:
By Technology Type:
Automatic Train Protection (ATP) System
Positive Train Control (PTC) System
Communication-Based Train Control (CBTC) System
Automatic Train Operation (ATO) System

By Application Type:
Inside the Station
Outside the Station

By Region:
North America
U.S.

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Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

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