

Global Connected Rail Market Size study, byService (Passenger Mobility, PIS, Train Tracking & Monitoring, Automated Fare Collection, Predictive maintenance, Freight Management), by Rolling Stock (Diesel Locomotive, Electric Locomotive, DMU, EMU, Light Rail/Tram Car, Subway/Metro Vehicle, Passenger Coach, Freight Wagon, Rail Signaling System (PTC, CBTC & ATC),and Regional Forecasts 2022-2028

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Abstracts

Global Connected Rail Market is valued approximately XX in 2021 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2022-2028. The connected rail solution is useful for monetizing high speed Internet on a moving train, where data and transactions are handled via a Wi-Fi platform. It has several advantages, including allowing customers to work while travelling, which can be viewed as a significant instrument for increasing passenger rates and client happiness. The constant demand for safety and security in railways, commuter comfort, government support, growing economy, and increasing population are the primary drivers driving the expansion of the rail systems and services industry. Continuous advancements in data management application and advanced analytics promise to transform the railway industry and commuter experience. Connected technology aids in the improvement of safety, train control, traffic management, and visual automated monitoring on trains and platforms. Rising passenger traffic is predicted to increase data usage, which would drive demand for linked rail markets. The growing adoption of IoT (Internet of Things) is expected to create a significant potential for the connected rail sector. Technology companies are collaborating with telecommunications companies to improve network connectivity. IoT in railways represents a business opportunity for a

variety of digital railway solution and telecommunication technology providers. Siemens and VGF collaborated to create the Digital Train Control System in December 2021. This technology is planned to replace the traditional train control system now in use in metro and tram networks. This technology is being developed in order to boost the capacity and efficiency of railway lines, particularly in underground parts. Robert Bosch GmbH debuted an advanced driver assistance system for city rail transit in November 2021. In the case of a potential accident, it initially alerts the tram driver with a signal. If the driver does not intervene, or intervenes too late, the system automatically brakes the tram until it comes to a complete stop, preventing or at least reducing the collision as much as possible.

The key regions considered for the global Connected Rail Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America's transportation system is diverse, with a large transcontinental rail network. In North America, the increased adoption of advanced technologies has resulted in the development of smart cities and smart transportation projects. As a result, the market for connected rail will expand in the future. Whereas, Asia Pacific is home to developing economies such as China, Japan, South Korea, and India. The region's linked rail business is increasing as a result of urbanisation, increased investments in digital transformation, rising GDP in nations such as China and India, and investments in freight train infrastructure to be responsible for Connected Rail Market growth in the region.

Major market player included in this report are:

Siemens
Hitachi
Wabtec Corporation
Trimble
Robert Bosch GmbH
Huawei
Cisco
Nokia
Atos
IBM

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within

each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available 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:

ByService:

- Passenger Mobility and Services
- Passenger Information System
- Train Tracking & Monitoring Solutions
- Automated Fare Collection System
- IP Video Surveillance
- Predictive Maintenance
- Freight Management System
- Others

By Rolling Stock:

- Diesel Locomotive
- Electric Locomotive
- DMU
- EMU
- Light Rail/Tram Car
- Subway/Metro Vehicle
- Passenger Coach
- Freight Wagon

By Safety & Signalling System:

- Positive Train Control (PTC)
- Communication/Computer-based Train Control (CBTC)
- Automated/Integrated Train Control (ATC)

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

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Connected Rail Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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