

Global Positive Train Control Market Size study & forecast, by Train Type (Metros & High-Speed Train, Electric Multiple Unit, Diesel Multiple Unit) By Component (Vehicle Control Unit, Mobile Communication Gateway, Human Machine Interface, Others) and Regional Analysis, 2022-2029

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Abstracts

Global Positive Train Control Market is valued at approximately USD xxx billion in 2021 and is anticipated to grow with a healthy growth rate of more than xxx% over the forecast period 2022-2029. Positive Train Control uses advanced technology to monitor train movements and automatically stop a train if it is at risk of colliding with another train or if it is traveling travelling too fast. The Positive Train Control market is expanding because of factors such as the increase in demand for safety & security while traveling travelling and rapid urbanization.

PTC systems use a combination of GPS, wireless communications, and onboard computers to track trains' locations and speeds and communicate that information to dispatchers and other trains. Its prevalence has progressively increased during the last few decadesyears. According to the Statista, in 2022, the revenue of the security technology and services market worldwide is expected to reach at USD 172.5 billion. Furthermore, in 2021, the rail transport sector in the U.S. contributed with some USD 42.2 billion to the nation's gross domestic product. Another important component driving space is rapid urbanization. As per Statista, in 2022, the degree of urbanization worldwide in the world accounts was at 57 perce%nt. Where North America was the region with records the highest level of urbanization, with over among four fifths4 out of 5 of the population residing lives in urban areas. In addition, by 2050, more developed regions of the world will have 86.6% of their populations living in urban areas. Also,

rising technological advancements of high-speed rails and increasing Metro and High-Speed Rail Network Networks would create a lucrative growth prospectus for the market over the forecast period. However, the high initial cost of Positive Train Control stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Positive Train Control 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 dominance of the fast rail network with public and private players using the rail network for passenger and freight trains. According to the Statista, NSF Railway was the leading U.S. class Class I freight railroad company in 2021, generating just under 23.3 billion U.S. dollars in operating revenue. Europe is expected to grow with a the highest CAGR during the forecast period, owing to factors such as upgraded railway infrastructure and government investments for PTC systems in the market space.

Major market player included in this report are:

Bombardier Inc.,
Siemens AG,
Toshiba Corporation,
Hitachi Ltd.,
Knorr-Bremse AG,
ALSTOM SA,
CAF, Construcciones y Auxiliar de Ferrocarriles, S.A.
ABB Ltd
Thales Group,
Aselsan, Aselsan A.?

Recent Developments in the Market:

In March 2021, SelTrac™ Generation 8 is launched, the latest evolution of Thales' launched the latest evolution of world-leading Communications Based Train Control (CBTC) solution SelTrac™ Generation 8, for urban, metro and light rail networks. Thishe newest features include a new digital architecture, with enhanced services and autonomy capabilities capabilities. Main benefits of the SelTrac™ G8The system includeincludes flexibility and evolution capabilities, relying on the latest technologies to significantly reduce installation and lifecycle costs, while and maintaining passenger safety.

Global Positive Train Control 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 Train Type, Component, 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 Train Type

Metros & High-Speed Train

Electric Multiple Unit

Diesel Multiple Unit

By Component

Vehicle Control Unit

Mobile Communication Gateway

Human Machine Interface

Others

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
RoLA
Rest of the World

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