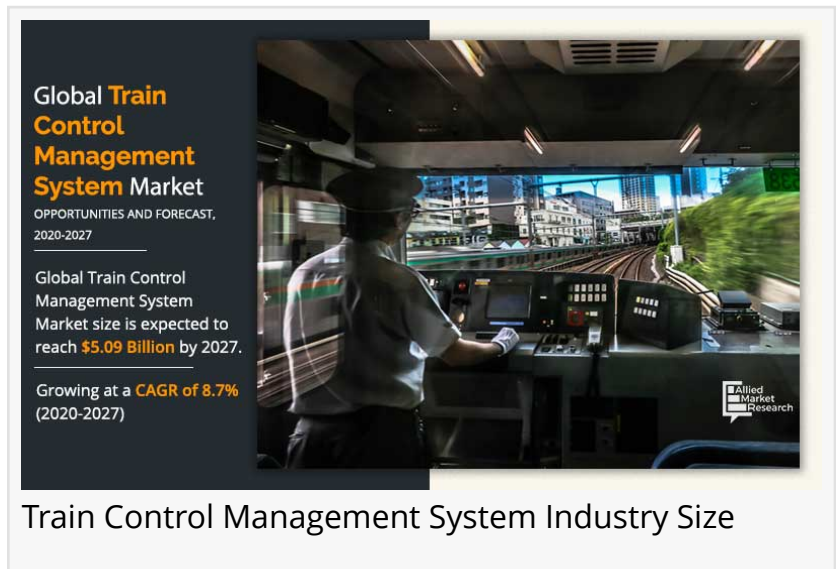


# Train Control Management System Market on Track for Rapid Growth, Driving the Future of Smart Rail Networks

WILMINGTON, NEW CASTLE, DE, UNITED STATES, February 17, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "Train Control Management System Market by Component (Vehicle Control Unit, Mobile Communication Gateway, Human Machine Interface, and Others), Solution (Communication-based Train Control, Positive Train Control, and Integrated Train Control), Network Type (Ethernet Consist Network (ECN), Multifunctional Vehicle Bus (MVB), and Wired Train Bus (WTB)), and Train Type (Metros & High Speed Trains, Electric Multiple Units, and Diesel Multiple Units): Global Opportunity Analysis and Industry Forecast, 2020–2027." According to the report, the global [train control management system industry size](#) was estimated at \$3.13 billion in 2019, and is anticipated to hit \$5.09 billion by 2027, registering a CAGR of 8.7% from 2020 to 2027.



Train Control Management System Industry Size

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Factors such as increase in allocation of budget for development of railways and surge in demand for secure, safer, and efficient transport system are driving the growth of train control management system market. However, high capital requirement is hindering the growth of market. Furthermore, improvement in railway infrastructure in developing countries is anticipated to provide remarkable growth opportunities for the players operating in the train control management system market.

Vehicle control unit is one of the important subsystems of the propulsion system in train, as it is responsible for controlling the complete safety and characteristics of the locomotive. In addition, vehicle control unit can be used for physical controls such as opening & closing of doors and diagnostics control such as monitoring of brake temperature, and checking proper closing of doors. Vehicle control units are used for various applications such as crew human-machine

interface (HMIs) management, SIL & safety applications, fleet management, lighting management, battery charge monitoring, and other crucial applications, which propel the growth of vehicle control unit segment.

A mobile communication gateway can be defined as the network node used in telecommunication that connects two networks with different transmission protocols together. In addition, gateway serves as the entry and exit point for a network as all the data must pass through gateway prior to being routed. The adoption of mobile communication gateway provides simplified internet connectivity into one device and offers advantages such as enhanced communication quality, improved communication, and easy implementation communication device, which boost the market for mobile communication gateway segment

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The vehicle control unit segment to dominate by 2027-

Based on component, the vehicle control unit segment accounted for nearly half of [the global train control management system market share](#) in 2019, and is expected to lead the trail by the end of 2027. This is due to its application in the field of crew human machine interface (HMIs) management, SIL & safety applications, fleet management, lighting management, battery charge monitoring, and other crucial application. At the same time, the human machine interface segment is anticipated to register the fastest CAGR of 10.3% throughout the forecast period.

The positive train control segment to maintain the dominant share-

Based on solution, the positive train control segment contributed to nearly two-thirds of the global train control management system market revenue in 2019, and is projected to dominate 2027. This is due to its ability to map train collisions over speed derailment and other potential dangerous situations. On the other hand, integrated train control segment would exhibit the fastest CAGR of 12.2% from 2020 to 2027. Advantages offered such as enhanced safety & throughput, and its robust & cost-effectiveness drive the growth of the segment.

Europe, followed by Asia-Pacific and North America, to rule the roost-

Based on region, Europe, followed by Asia-Pacific and North America, held the major share in 2019, generating around one-third of the global train control management system market, attributed to increase in use of public transport and demand for safe, secure, and efficient transportation. Simultaneously, the market across [LAMEA would manifest the fastest CAGR](#) of 11.3% by 2027. Focus of companies operating in the railway sector on development of semi-autonomous and fully autonomous railways is propelling the growth of the market in LAMEA.

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## [control-management-system-market/purchase-options](#)

Key players in the industry-

Mitsubishi Electric Corporation

Knorr-Bremse

Alstom

Thales Group

EKE Group

Bombardier

Hitachi, Ltd.

Siemens

Toshiba Corporation

ABB

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<https://www.alliedmarketresearch.com/electric-powertrain-market-A10091> - Electric Powertrain Market Size, Share, Competitive Landscape and Trend Analysis Report, by Component, by Vehicle Type, by Vehicle Class, by Vehicle Drive Type, by Application : Global Opportunity Analysis and Industry Forecast, 2021-2031

<https://www.alliedmarketresearch.com/train-battery-market> - Train Battery Market Size, Share, Competitive Landscape and Trend Analysis Report, by Battery Type, by Rolling Stock Type, by Application, by Train Type : Global Opportunity Analysis and Industry Forecast, 2021-2031

<https://www.alliedmarketresearch.com/europe-rail-glazing-market-A11460> - Regional Opportunity Analysis and Industry Forecast, 2021-2028

<https://www.alliedmarketresearch.com/train-control-management-system-market> - Global Opportunity Analysis and Industry Forecast, 2020-2027

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