

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

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Abstracts

The deployment of train control management system can vary depending upon the operation requirement of the train and market segment, however, the purpose and the benefits of the train control management system remains same across all the architectures. In addition, latest train control management system (TCMS) available in the market can be integrated with the third-party subsystems as the designs are modular and use internationally standardized interfaces. Furthermore, migration of functionality from supplier domain to train control management system can reduce the complexity and cost of overall train solution.

The train control management system market has witnessed significant growth over the years, owing to supportive government initiatives for the development of semi-autonomous and autonomous trains.

The train control management system market is segmented into component, solution, network type, train type, and region. Depending on component, the market is fragmented into vehicle control unit, mobile communication gateway, human-machine interface, and others. On the basis of solution, it is categorized into communication-based train control, positive train control, and integrated train control. By network type, it is classified into ethernet consist network, multifunctional vehicle bus, and wired train bus. According to train type, it is segregated into metros & high speed trains, electric multiple units, and diesel multiple units. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The key players analyzed in the Train Control Management System market include Bombardier, Hitachi, Ltd., Siemens, Toshiba Corporation, ABB, Mitsubishi Electric Corporation, Knorr-Bremse, Alstom, Thales Group, and EKE Group.

KEY BENEFITS FOR STAKEHOLDERS

This study presents the analytical depiction of the global train control management system market along with the current trends and future estimations to depict the imminent investment pockets.

The overall market potential is determined to understand the profitable trends to enable stakeholders gain a stronger foothold in the market.

The report presents information related to key drivers, restraints, and opportunities with a detailed impact analysis.

The current market is quantitatively analyzed from 2019 to 2027 to highlight the financial competency of the market.

Porter's five forces analysis illustrates the potency of the buyers and suppliers.

KEY MARKET SEGMENTS

By Component

Train Control Management System Market by Component (Vehicle Control Unit, Mobile Communication Gateway, Human...

Vehicle Control Unit

Mobile Communication Gateway

Human-machine Interface

Others

By Solution

Communication-based Train Control

Positive Train Control

Integrated Train Control

By Network Type

Ethernet Consist Network (ECN)

Multifunctional Vehicle Bus (MVB)

Wired Train Bus (WTB)

By Train Type

Metros & High-speed Trains

Electric Multiple Units

Diesel Multiple Units

By Region

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Russia

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

KEY MARKET PLAYERS

Bombardier

Hitachi, Ltd.

Siemens

Toshiba Corporation

ABB

Mitsubishi Electric Corporation

Knorr-Bremse

Alstom

Thales Group

EKE Group

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