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Global Train Control & Management System (TCMS) Market: Trends, Opportunities, and Forecast To 2023-2028

Increasing investments in large-scale public transport infrastructure is a key factor expected to drive global market growth during the forecast period

PUNE, MAHARASHTRA, INDIA, February 2, 2023 /EINPresswire.com/ -- The global Train Control & Management System (TCMS) market size was USD 2416.35 million in 2021 and register a steady revenue CAGR of 5.28% during the forecast period. Key factors such as rapid urbanization, increasing efforts to improve railway infrastructure and train management, rapid digitization of railway systems, and rising trends of automated metros and high-speed trains across the globe are expected to drive global market growth during the forecast period.

Train Control and Management Systems (TCMS) is a train borne distributed control system that consists of computer devices, human-machine interfaces, and software to manage the flow of information between trains and subsystems. TCMS controls and monitors all crucial parameters. These systems provide secure and interconnected communication between automatic drain doors, ventilation systems, and air conditioners. There has been a rapid increase in the adoption of TCMS owing to enhanced operational efficiency and safety and increasing usage of metros and high-speed trains.

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Factors such as growing popularity of autonomous decentralized train control and management system, increasing adoption of advanced technologies, and rising investments in installing metros and high-speed trains in many developing countries are expected to drive global market revenue growth during the forecast period.

However, factors such as high infrastructural and maintenance costs, lack of interoperability of train control and management systems from different regions, and increasing integration of new train control systems in existing infrastructure are expected to hamper overall market growth during the forecast period.

High Speed Trains Segment To Register Rapid Revenue CAGR:

The high speed trains segment is expected to register rapid revenue CAGR over the forecast period. High focus on improving existing railway infrastructure, rising government initiatives to enhance high speed rail networks, and increasing investments for deploying high speed trains in countries such as the UK, India, China, France, and South Korea are expected to drive segment revenue growth during the forecast period.

PTC Segment to Account for a Significantly Larger Revenue Share:

The PTC (Positive Train Control) segment is expected to account for a significantly larger revenue share during the forecast period. This can be due to increasing usage of metros and high-speed trains worldwide, rapid adoption of PTC systems in many parts of the world to avoid train-to-train collisions, and over-speed derailments, and increasing awareness about benefits of PTC solutions including improved service, higher fuel savings, and line capacity enhancement.

Asia Pacific To Register Robust Revenue Growth:

Asia Pacific is expected to register robust revenue growth during the forecast period due to rapid urbanization, increasing adoption of advanced TCMS across the region, high usage of metros and regular trains, increasing public investments in rail projects, and high focus on improving railway infrastructure and transportation.

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Train Control & Management System (TCMS) Market By Company:

- Alstom SA
- Bombardier
- Siemens AG
- Hitachi Ltd.
- Mitsubishi Electric
- Strukton Rail
- Wabtec Corporation
- Selectron Systems
- Toshiba
- Thales Group
- CAF
- EKE-Electronics

The global Train Control & Management System (TCMS) Market has been segmented the based on type, application, and region:

Train Control & Management System (TCMS) Market Segment by Type:

- CBTC
- PTC
- Integrated Train Control

Train Control & Management System (TCMS) Market Segment by Application:

- Metros
- High Speed Trains
- Normal Trains

Train Control & Management System (TCMS) Market Segment by Region:

- North America (USA, Canada)
- Europe (Germany, France, UK, Italy, Russia)
- Asia Pacific (China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam)
- Latin America (Brazil, Argentina)
- Middle East & Africa (Turkey, Saudi Arabia, U.A.E)

Reasons to Purchase This Report:

- Estimates 2023 to 2028 Train Control & Management System (TCMS) Market current market trends and development trends
- Market dynamics along with growth opportunities of the market in the years to come
- Market segmentation analysis including qualitative and quantitative research incorporating the impact of economic and policy aspects
- Regional and country level analysis integrating the demand and supply forces that are influencing the growth of the Train Control & Management System (TCMS) Market
- Competitive landscape involving market share of the major players, new strategies and projects adopted by players in the last five years
- Comprehensive company profiles covering product offerings, key financial information, SWOT analysis and strategies employed by major market players
- Brief about impact of COVID-19 on the global Train Control & Management System (TCMS) Market

Questions Addressed in the Report:

- What revenue CAGR is the global market expected to register during the forecast period?
- Which key players are leading in the global Train Control & Management System (TCMS) Market?
- What is the expected market size of the global Train Control & Management System (TCMS) Market between 2023 and 2028?

• What factors are expected to open new growth avenues and opportunities for existing and emerging market players?
• What are some of the key challenges that the global market is expected to face during the forecast period?
• Which region is expected to account for largest revenue share over the forecast period?

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