Global Train Control and Management System (TCMS) Market Size, Share, Development, Growth and Demand Forecast to 2022

Description: Train control and management system (TCMS) manages and controls the flow of information both on-board between the different sub-systems includes doors, converters, heating, ventilation and air-conditioning, and between the train and ground. It is often termed as brain of the train. The train management system offers well organized and affordable train operation and high level of safety and security for passengers. Train controllers typically work from a control center utilizing electronic system control networks to arrange trains, guaranteeing they are on the right way and running on time. Rail controls are witnessing huge investment on account of increasing concern in regard to safety, growing pace of urbanization combined with cutting edge innovation.

The major reasons for the growth of global TCMS market includes increasing investments in technology upgradation and rapid transit solution, increasing demand for safe and comfortable rapid transit solutions in developed as well as developing regions, and increasing population and urbanization.

The technological advancement in the TCMS market has been centered on enhancing safety, luxury and comfort. Cutting edge innovation helped train operators to reduce traffic as well. Global players in the TCMS market are teaming up with domestic players in emerging nations such as China and India, where the demand for rapid transit vehicles is increasing. Train control and management system is mainly used in rapid transit vehicles.

Among the various components of train control and management system, the vehicle control unit had the largest market in the global train control and management system market in 2015. In 2015, the market of train control and management system was largest in metros & high speed train segment, compared to other train types. Globally, communication-based train control (CBTC) solution was the largest segment, based on solution of train control and management system in 2015.

The global TCMS market was valued at $2,031.6 million in 2015, and it is expected to grow at a CAGR of 8.2% during 2016 - 2022. In 2015, Europe accounted for the largest market for train control and management systems; whereas the market in North America is expected to grow at the fastest rate, during the forecast period. Increasing investments in technology upgradation and rapid transit solution are some of the major factors driving the growth of the North American train control and management system market. Asia-Pacific was the second largest market for train control and management system in 2015.

Some of the major players operating in the global train control and management system market include Alstom SA, Bombardier Inc., Toshiba Corporation, Siemens AG, Hitachi Ltd., CAF, Mitsubishi Electric Corporation, EKE Group and Strukton Rail.

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