

Intelligent Transportation System (ITS) Market Analysis And Segment Forecasts To 2020

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Abstracts

The global market for intelligent transportation systems is expected to reach USD 38.68 billion by 2020. Growing demand for optimizing fuel consumption and reducing emissions is expected to be the key driving force for the market. ITS aids in reducing incidents such as road accidents and boost safety, which is estimated to positively impact demand over the next six years.

Increasing need for enhancing existing transportation networks coupled with demand for alleviating traffic congestion is expected to fuel market growth during the forecast period. However, interoperability and standardization issues may restrain the market over the next few years. Technological advancements have led to enhancement in wireless communication technologies, which is an opportunity for market participants.

Further Key findings from the study suggest:

Advanced Transportation Management Systems (ATMS) accounted for the largest market share of 39.9% in 2013; it is expected to continue dominating the overall industry over the next six years. Advanced Public Transportation Systems (APTS) is expected to be the fastest growing segment, at an estimated CAGR of 13.7% from 2014 to 2020. APTS deal in the use of IT and transportation management in order to boost the safety and effectiveness of public transit systems.

Traffic management is expected to remain the largest ITS application through the forecast period and was valued at USD 5.16 billion in 2013. Road user charging (RUC) also accounted for considerable market share in 2013, driven by technological advancements in electronic toll collection (ETC). Environment protection is expected to grow at the fastest CAGR of 18.2% from 2014 to 2020, due to increasing focus on

reducing pollution and emission levels.

North America accounted for 43.8% of the global market in 2013 and is expected to remain the most dominant ITS market over the next six years. This can primarily be attributed to favorable regulatory initiatives from transportation authorities for increasing driver safety and reducing traffic congestion. Asia Pacific ITS market is expected to register the fastest growth of 14.0% from 2014 to 2020, as a result of need for improvement of transportation networks and high growth expected in India and China.

Major industry participants offer numerous ITS solutions, as well as construction and maintenance services. Key market players include TransCore Inc., Kapsch TrafficCom AG, Q-Free ASA and EFKON AG among others.

For the purpose of this study, Grand View Research has segmented the global ITS market on the basis of product, application and region:

ITS Product Outlook (Revenue, 2012 - 2020)

Advanced Traveler Information Systems (ATIS)

Advanced Transportation Management Systems (ATMS)

Advanced Transportation Pricing Systems (ATPS)

Advanced Public Transportation Systems (APTS)

Cooperative Vehicle Systems

ITS Application Outlook (Revenue, 2012 - 2020)

Traffic Management

Road Safety and Security

Freight Management

Public Transport

Environment Protection

Automotive Telematics

Parking Management

Road User Charging

ITS Regional Outlook (Revenue, 2012 - 2020)

North America

U.S.

Europe

Germany

France

Italy

UK

Asia Pacific

China

India

Japan

RoW

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