Intelligent Transportation System Market by Component, System (ATMS, ATIS, ITS-Enable Transportation Pricing System, APTS, and CVO), Application, and Geography - Analysis & Forecast to 2015 - 2020

Description:


Intelligent Transportation Systems (ITS) refers to information and communication technologies applied to transport infrastructure and vehicles for improved mobility, safety, and sustainability. It improves transport outcomes and traffic management such as transport productivity, transport safety, travel reliability, and reduced traffic congestion. This market report is segregated based on components, systems, applications, and geographic regions. Applications in parking availability systems, traffic enforcement cameras, and collision avoidance systems are expected to drive the market during the forecast period. This is due to investments by various governments to upgrade transportation systems among toll collection systems, and adopt new technologies for reducing traffic congestion. This report based on system types has been segmented into advanced traffic management system, advanced traveler information system, ITS-enabled transportation system, advanced public transportation system, and commercial vehicle operation system.

The report profiles companies active in this intelligent transportation system. It provides the competitive landscape of key players that includes their main growth strategies. The report also focuses on giving a detailed view of the complete intelligent transportation system market with regards to different applications as well as geographic regions. The market for intelligent transportation system has increased applications in traffic monitoring system, traffic signal control system, and fleet management and asset monitoring system. This intelligent transportation system market for applications is estimated to reach $33.89 billion by 2020 at a CAGR of 11.57% between 2015 and 2020.

Major players in this market include Thales Group (France), Garmin International Inc. (U.S.), Kapsch TrafficCom AG (Austria), TomTom International BV (Netherlands), Nuance Communications Inc. (U.S.), and Q-Free ASA (Norway). Several recent expansions and acquisitions, new product launches, and contracts have also been discussed in the report. Following are the detailed explanations of each segment.

Scope of the report

This research report categorizes the market based on component, system, application, and geography; it also covers the market size forecast between 2015 and 2020.

On the basis of components:

The market is categorized, on the basis of components into interface boards, sensors, software, surveillance cameras, telecommunication networks, and monitoring and detection systems.

On the basis of systems:

Systems for this market include advanced traffic management system, advanced traveler information system, ITS-enabled transportation pricing system, advanced public transportation system, and commercial vehicle operation systems which have been explained in detail in this report.

On the basis of application areas:

The applications areas have been categorized into fleet management and asset monitoring, traffic monitoring system, traffic signal control system, collision avoidance system, variable traffic message sign, parking availability system, traffic enforcement camera, and automotive telematics.

On the basis of geography:
The market based on geography has been segmented into North America, Europe, APAC, and RoW.

The report identifies drivers, restraints, opportunities, and current trends for the intelligent transportation system market. Apart from the market segmentation, the report also includes the critical market data and qualitative information for each technology type along with qualitative analyses, such as the Porter’s five force analysis, market breakdown analysis, and value chain analysis.

Contents:
1 Introduction
  1.1 Objectives Of The Study
  1.2 Market Definition
  1.3 Study Scope
  1.3.1 Markets Covered
  1.3.2 Years Considered For The Study
  1.4 Currency
  1.5 Limitation
  1.6 Stakeholders

2 Research Methodology
  2.1 Demand-Side Analysis
  2.1.1 Increase In The Number Of Private Cars Compared To Commercial Vehicles
  2.2 Market Size Estimation
  2.2.1 Bottom-Up Approach
  2.2.2 Top-Down Approach
  2.3 Market Breakdown And Data Trangulation
  2.4 Market Share Estimation
  2.4.1 Key Data From Secondary Sources
  2.4.2 Key Data From Primary Sources
  2.5 Assumptions

3 Executive Summary

4 Premium Insights
  4.1 Opportunities In The Intelligent Transportation System Market
  4.2 Its Market—Top Application Segments
  4.3 Intelligent Transportation System Market Based On Regions
  4.4 North America And Europe Led The Its Market
  4.6 Intelligent Transportation System Market: Applications

5 Market Overview
  5.1 Introduction
  5.2 Market Segmentation
  5.3 Its Technologies, Standards, And Associations
    5.3.1 Cloud Service
    5.3.2 Global Positioning System (GPS)
    5.3.3 Dedicated Short Range Communication (DSRS)
    5.3.4 Wireless And Sensor Network
    5.3.5 Mobile Telephony
    5.3.6 Roadside Camera Recognition
    5.3.7 Radiowave & Infrared Beacon
    5.3.8 Probe Vehicle
    5.3.9 Near Field Communication (NFC) & Contactless Payments
    5.3.10 Radio-Frequency Identification (RFID)
    5.3.11 Radio Data System-Traffic Message Channel (RDS-TMS)
    5.3.12 Cooperative Intelligent Transport System (C-Its)
    5.3.13 Standards And Associations
  5.4 Market Dynamics
    5.4.1 Drivers
      5.4.1.1 Solutions For Traffic Congestion
      5.4.1.2 Increasing Fund Allocation By Various Governments
      5.4.1.3 Reducing Environmental Pollution
    5.4.2 Restraints
5.4.2.1 High Installation Cost
5.4.2.2 Slow Growth In Infrastructure
5.4.3 Opportunities
5.4.3.1 Smart Vehicles With Its
5.4.3.2 Requirement For Public Private Partnerships (PPP)
5.4.4 Challenge
5.4.4.1 Lack Of Interoperability And Standardization

6 Industry Trends
6.1 Introduction
6.2 Value Chain Analysis
6.3 Supply Chain Analysis
6.3.1 Key Influencers
6.4 Porter'S Analysis
6.4.1 Threat Of New Entrants
6.4.2 Threat Of Substitutes
6.4.3 Bargaining Power Of Suppliers
6.4.4 Bargaining Power Of Buyers
6.4.5 Degree Of Competition

7 Intelligent Transportation System Market, By System
7.1 Introduction
7.2 Advanced Traffic Management System (ATMS)
7.3 Advanced Traveler Information System (ATIS)
7.3.1 Vehicle To Vehicle (V2V) And Vehicle To Infrastructure (V2I) Communication
7.4 Its-Enabled Transportation Pricing System
7.5 Advanced Public Transportation System (APTS)
7.6 Commercial Vehicle Operation (CVO):

8 Intelligent Transportation System Market, By Component
8.1 Introduction
8.2 Interface Board
8.2.1 Multifunctional Board
8.2.2 Vehicle Detection Board
8.2.3 Communication Board
8.3 Sensor
8.3.1 Vehicle Detection Sensor
8.3.2 Pedestrian Presence Sensor
8.3.3 Speed Sensor
8.4 Software
8.4.1 Visualization Software
8.4.2 Video Detection Management Software
8.4.3 Transit Management System
8.4.4 Others (Algorithms)
8.5 Surveillance Camera
8.5.1 Thermal Camera
8.5.2 Aid Camera
8.6 Telecommunication Network
8.6.1 Fiber Optic
8.6.2 Copper Lines
8.6.3 Wireless (Zigbee, Wi-Fi, Bluetooth)
8.7 Monitoring And Detection System
8.7.1 Automatic Number Plate Recognition
8.7.2 Intelligent Traffic Controller
8.8 Others

9 Its Market, By Application
9.1 Introduction
9.2 Fleet Management And Asset Monitoring
9.3 Traffic Monitoring System
9.4 Traffic Signal Control System
9.5 Collision Avoidance System
9.6 Variable Traffic Message Sign
List Of Tables

Table 1 Global Its Market Size, By Component, 2014–2020 ($Billion)
Table 2 Driver Analysis
Table 3 Restraint Analysis
Table 4 Opportunity Analysis
Table 5 Global Its Market, By System, 2014–2020 ($Billion)
Table 6 Advanced Traffic Management System Market Size, By Component, 2014–2020 ($Billion)
Table 7 Advanced Traffic Management System Market Size, By Region, 2014–2020 ($Billion)
Table 8 Advanced Traveler Information System Market Size, By Component, 2014-2020 ($Million)
Table 9 Advanced Traveler Information System Market Size, By Region, 2014-2020 ($Million)
Table 10 Its-Enabled Transportation Pricing System Market Size, By Component, 2014–2020 ($Billion)
Table 11 Its-Enabled Transportation Pricing System Market Size, By Region, 2014–2020 ($Billion)
Table 12 Advanced Public Transportation System Market Size, By Component, 2014–2020 ($Million)
Table 13 Advanced Public Transportation System Market Size, By Region, 2014–2020 ($Million)
Table 14 Commercial Vehicle Operation Market Size, By Component, 2014–2020 ($Million)
Table 15 Commercial Vehicle Operation Market Size, By Region, 2014–2020 ($Million)
Table 16 Global Its Market Size, By Component, 2014-2020 ($Billion)
Table 17 Component Market Size, By Interface Board, 2014-2020 ($Million)
Table 18 Component Market Size, By Sensor, 2014-2020 ($Billion)
Table 19 Component Market Size, By Software, 2014-2020 ($Billion)
Table 20 Component Market Size, By Surveillance Camera, 2014-2020 ($Billion)
Table 21 Component Market Size, By Telecommunication Network, 2014-2020 ($Billion)
Table 22 Component Market Size, By Monitoring And Detection System, 2014-2020 ($Billion)
Table 23 Market Size, By Other Components, 2014-2020 ($Million)
Table 24 Global Its Market Size, By Application, 2014–2020 ($Billion)
Table 25 Global: Fleet Management And Asset Monitoring Market Size, By Region, 2014–2020 ($Billion)
Table 26 North America: Fleet Management And Asset Monitoring Market Size, By Country, 2014-2020 ($Million)
Table 27 Europe: Fleet Management And Asset Monitoring Market Size, By Country, 2014-2020 ($Million)
Table 28 Apac: Fleet Management And Asset Monitoring Market Size, By Country, 2014-2020 ($Million)
Table 29 Row: Fleet Management And Asset Monitoring Market Size, By Country, 2014-2020 ($Million)
Table 30 Global: Traffic Monitoring System Market Size, By Region, 2014–2020 ($Billion)
Table 31 North America: Traffic Monitoring System Market Size, By Country, 2014-2020 ($Million)
Table 32 Europe: Traffic Monitoring System Market Size, By Country, 2014-2020 ($Million)
Table 33 Apac: Traffic Monitoring System Market Size, By Country, 2014-2020 ($Million)
Table 34 Row: Traffic Monitoring System Market Size, By Country, 2014-2020 ($Million)
Table 35 Global: Traffic Signal Control System Market Size, By Region, 2014–2020 ($Billion)
Table 36 North America: Traffic Signal Control System Market Size, By Country, 2014–2020 ($Million)
Table 37 Europe: Traffic Signal Control System Market Size, By Country, 2014–2020 ($Million)
Table 38 Apac: Traffic Signal Control System Market Size, By Country, 2014–2020 ($Million)
Table 39 Row: Traffic Signal Control System Market Size, By Country, 2014–2020 ($Million)
Table 40 Global: Collision Avoidance System Market Size, By Region, 2014–2020 ($Million)
Table 41 North America: Collision Avoidance System Market Size, By Country, 2014–2020 ($Million)
Table 42 Europe: Collision Avoidance System Market Size, By Country, 2014–2020 ($Million)
Table 43 Apac: Collision Avoidance System Market Size, By Country, 2014–2020 ($Million)
Table 44 Row: Collision Avoidance System Market Size, By Country, 2014–2020 ($Million)
Table 45 Global: Variable Traffic Message Sign Market Size, By Region, 2014–2020 ($Million)
Table 46 North America: Variable Traffic Message Sign Market Size, By Country, 2014–2020 ($Million)
Table 47 Europe: Variable Traffic Message Sign Market Size, By Country, 2014–2020 ($Million)
Table 48 Apac: Variable Traffic Message Sign Market Size, By Country, 2014–2020 ($Million)
Table 49 Row: Variable Traffic Message Sign Market Size, By Country, 2014–2020 ($Million)
Table 50 Global: Parking Availability System Market Size, By Region, 2014–2020 ($Million)
Table 51 North America: Parking Availability System Market Size, By Country, 2014-2020 ($Million)
Table 52 Europe: Parking Availability System Market Size, By Country, 2014-2020 ($Million)
Table 53 Apac: Parking Availability System Market Size, By Country, 2014-2020 ($Million)
Table 54 Row: Parking Availability System Market Size, By Country, 2014-2020 ($Million)
Table 55 Global: Traffic Enforcement Camera Market Size, By Region, 2014-2020 ($Million)
Table 56 North America: Traffic Enforcement Camera Market Size, By Country, 2014-2020 ($Million)
Table 57 Europe: Traffic Enforcement Camera Market Size, By Country, 2014-2020 ($Million)
Table 58 Apac: Traffic Enforcement Camera Market Size, By Country, 2014-2020 ($Million)
Table 59 Row: Traffic Enforcement Camera Market Size, By Country, 2014-2020 ($Million)
Table 60 Global: Automotive Telematics Market Size, By Country, 2014-2020 ($Million)
Table 61 North America: Automotive Telematics Market Size, By Country, 2014-2020 ($Million)
Table 62 Europe: Automotive Telematics Market Size, By Country, 2014-2020 ($Million)
Table 63 Apac: Automotive Telematics Market Size, By Country, 2014-2020 ($Million)
Table 64 Row: Automotive Telematics Market Size, By Country, 2014-2020 ($Million)
Table 65 Global Its Market Size, By Region, 2014–2020 ($Billion)
Table 66 North America: Its Market Size, By Country, 2014-2020 ($Billion)
Table 67 North America: Its Market Size, By Application, 2014–2020 ($Billion)
Table 68 The U.S.: Its Market Size, By Application, 2014–2020 ($Billion)
Table 69 Canada: Its Market Size, By Application, 2014–2020 ($Million)
Table 70 Mexico: Its Market Size, By Application, 2014–2020 ($Million)
Table 71 Europe: Its Market Size, By Country, 2014-2020 ($Billion)
Table 72 Europe: Its Market Size, By Application, 2014-2020 ($Billion)
Table 73 The U.K.: Its Market Size, By Application, 2014–2020 ($Million)
Table 74 Germany: Its Market Size, By Application, 2014–2020 ($Billion)
Table 75 France: Its Market Size, By Application, 2014–2020 ($Million)
Table 76 Italy: Its Market Size, By Application, 2014–2020 ($Million)
Table 77 Roe: Its Market Size, By Application, 2014–2020 ($Million)
Table 78 Apac: Its Market Size, By Country, 2014–2020 ($Billion)
Table 79 Apac: Its Market Size, By Application, 2014–2020 ($Million)
Table 81 Japan: Its Market Size, By Application, 2014–2020 ($Million)
Table 82 South Korea: Its Market Size, By Application, 2014–2020 ($Million)
Table 83 Australia: Its Market Size, By Application, 2014–2020 ($Million)
Table 84 India: Its Market Size, By End-User, 2014–2020 ($Million)
Table 85 The Rest Of Apac: Its Market Size, By End-User, 2014–2020 ($Million)
Table 86: Its Market Size, By Country, 2014–2020 ($Billion)
Table 87: Its Market Size, By Application, 2014–2020 ($Million)
Table 88: The Middle East And Africa: Its Market Size, By Application, 2014–2020 ($Million)
Table 89: South America: Its Market Size, By Application, 2014–2020 ($Million)
Table 91: Partnerships, 2013–2015
Table 92: Contracts, 2013–2015
Table 93: Expansions And Acquisitions, 2013–2015
Table 95: Partnerships, 2013
Table 96: Expansions And Acquisitions, 2013-2015
Table 97: Others, 2013-2015

List Of Figures

Figure 1: Markets Covered
Figure 2: Research Design
Figure 3: Global Market For Private Owned Cars And Commercial Vehicles (2009–2014)
Figure 4: Market Size Estimation Methodology: Bottom-Up Approach
Figure 5: Market Size Estimation Methodology: Top-Down Approach
Figure 6: Breakdown Of Primary Interviews: By Company Type, Designation, And Region
Figure 7: Its Market: Data Triangulation Model
Figure 8: Key Data From Secondary Sources
Figure 9: Key Data From Primary Sources
Figure 10: Its Market, By System, Snapshot (2014–2020): Commercial Vehicle Operation Is Expected To Witness A High Growth During The Forecast Period
Figure 11: Its Market, By Application, Snapshot (2014 Vs 2020): Parking Availability System To Witness The Highest Growth Rate During The Forecast Period
Figure 12: Attractive Market Opportunities For Its (2014–2020)
Figure 13: Application In Parking Availability Systems Is Expected To Witness The Highest Growth Rate During The Forecast Period
Figure 14: North America Accounted For The Largest Share In The Its Market In 2014
Figure 15: Japan Is Expected To Grow At The Highest Cagr During The Forecast Period (2015-2020)
Figure 16: North America Accounted For The Largest Share In The Global Its Market In 2014
Figure 17: Parking Availability Systems Is Expected To Grow More During The Forecast Period (2015-2020)
Figure 18: Intelligent Transportation System Market - Segmentation
Figure 19: Architecture Of Cloud Computing
Figure 20: Solutions For Traffic Congestion, Increasing Allocation Of Funds By Various Governments And Reducing Environmental Pollution Are Driving The Its Market
Figure 21: Value Chain Analysis
Figure 22: Supply Chain Analysis
Figure 23: Porter’S Analysis
Figure 24: Porters Analysis: Intelligent Transportation System Market
Figure 25: Threat Of New Entrants
Figure 26: Threat Of Substitutes
Figure 27: Bargaining Power Of Suppliers
Figure 28: Bargaining Power Of Buyers
Figure 29: Degree Of Competition
Figure 30: Its Market Size, By System ($Billion)
Figure 31: Intelligent Transportation System Market, By Component
Figure 32: Surveillance Camera Likely To Witness The Highest Growth Rate During The Forecast Period
Figure 33: Geographic Snapshot Of The Global Its Market (2015–2020)
Figure 34: Asia-Pacific—An Attractive Destination For The Its Market
Figure 35: North American Its Market Snapshot
Figure 36: The U.K. Accounted For The Largest Share In The European Its Market, 2014 113
Figure 37: Apac: Its Market Snapshot—Japan Is A Rapidly Growing Market
Figure 38: Companies Adopted New Product Launches And Expansions As Key Growth Strategies From 2013 To 2015
Figure 39: Global Intelligent Transportation System Market Share,
By Key Player, 2014
Figure 40 Market Evolution Framework—New Product Developments Have Fueled Growth And Innovation In 2014
Figure 41 Battle For Market Share: New Product Launches Was The Key Strategy Adopted
Figure 42 Geographic Revenue Mix Of Top Market Players
Figure 43 Thales Group: Company Snapshot
Figure 44 Thales Group: Swot Analysis
Figure 45 Garmin Ltd.: Company Snapshot
Figure 46 Garmin Ltd.: Swot Analysis
Figure 47 Kapsch Trafficcom: Company Snapshot
Figure 48 Kapsch Trafficcom: Swot Analysis
Figure 49 Tomtom International Bv: Company Snapshot
Figure 50 Tomtom International Bv: Swot Analysis
Figure 51 Q Free: Company Snapshot
Figure 52 Q Free: Swot Analysis
Figure 53 Nuance Communications: Company Snapshot
Figure 54 Denso Corporation: Company Snapshot

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/3315097/](http://www.researchandmarkets.com/reports/3315097/)
Order by Fax - using the form below
Order by Post - print the order form below and send to
  Research and Markets,
  Guinness Centre,
  Taylors Lane,
  Dublin 8,
  Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Intelligent Transportation System Market by Component, System (ATMS, ATIS, ITS-Enable Transportation Pricing System, APTS, and CVO), Application, and Geography - Analysis & Forecast to 2015 - 2020
Web Address: http://www.researchandmarkets.com/reports/3315097/
Office Code: SCH39WKV

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Format Description</th>
<th>Quantity</th>
<th>Price (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) -</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single User</td>
<td>☐</td>
<td>5650</td>
</tr>
<tr>
<td>1 - 5 Users</td>
<td>☐</td>
<td>6650</td>
</tr>
<tr>
<td>Site License</td>
<td>☐</td>
<td>8150</td>
</tr>
<tr>
<td>Enterprisewide</td>
<td>☐</td>
<td>10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐
First Name: ___________________________ Last Name: ___________________________
Email Address: * ______________________________
Job Title: ______________________________
Organisation: __________________________
Address: _______________________________
City: _________________________________
Postal / Zip Code: _______________________
Country: ______________________________
Phone Number: __________________________
Fax Number: ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World