

Intelligent Transport Systems Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global intelligent transport systems market size reached US\$ 40.6 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 69.7 Billion by 2028, exhibiting a growth rate (CAGR) of 9.3% during 2023-2028.

The Intelligent Transport System (ITS) refers to a system that utilizes visual, analytical, control and communication technologies to manage different modes of on-road transportation efficiently. It is not only embedded within a vehicle but also in the infrastructure facilities to enhance on-road safety and achieve traffic efficiency by minimizing traffic problems. It uses various equipment such as ramp meters, electronic toll collectors, traffic light cameras, traffic-signal coordinators, transit signal systems and traveler-information systems.

The increasing number of smart cities, along with unprecedented population growth leading to widespread traffic congestion, are the key factors driving the market growth. The ITS significantly aids in the effective management of on-road traffic through Global Positioning System (GPS), Dedicated Short Range Communication (DSRC) and Carrier Access for Land Mobiles (CALM). Additionally, increasing occurrence of deaths due to road accidents have driven the demand for ITS across the globe. Advanced features such as Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) communication is creating a positive outlook for the market. These features provide real-time information to travelers about road conditions and construction zones, along with seat availability and timings of public modes of transport, thus enhancing the overall on-road safety and

reducing the chances of fatalities while reducing the travel time. Moreover, increasing focus on research and development (R&D) in both the public and private sectors to incorporate more enhanced features is also contributing to the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global intelligent transport systems market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on mode of transport, product, protocol, offering and application.

Breakup by Mode of Transport:

Roadways

Railways

Airways

Breakup by Product:

Network Management Systems

Advanced Traffic Management Systems (ATMS)

Road User Charging, Congestion Charging, etc.

Freight and Commercial Systems

Public Transport Systems

Security and Crime Reduction Systems

Automotive and Infotainment Systems

Road Safety Systems

Communications Systems

Breakup by Protocol:

Short Range

Wave (IEEE 802.11)

Wpan (IEEE 802.15)

Long Range

Wimax (IEEE 802.11)

Odfm

IEEE 1512

Traffic Management Data Dictionary (TMDD)

Others

Breakup by Offering:

- Hardware
 - Interface Board
 - Sensor
 - Surveillance Camera
 - Telecommunication Network
 - Monitoring and Detection System
 - Others
- Software
 - Visualization Software
 - Video Detection Management Software
 - Transit Management System
 - Others
- Services
 - Business and Cloud Services
 - Support and Maintenance Services

Breakup by Application:

- Fleet Management and Asset Monitoring
- Intelligent Traffic Control
- Collision Avoidance
- Parking Management
- Passenger Information Management
- Ticketing Management
- Emergency Vehicle Notification
- Automotive Telematics

Breakup by Region:

- North America
- Asia Pacific
- Europe
- Middle East and Africa
- Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Siemens AG, Thales Group, Garmin Ltd., Cubic Corporation, FLIR Systems, Lanner Electronics, DENSO Corporation, International Business Machines (IBM) Corporation, ADDCO Acquisition, LLC, TomTom N.V., Kapsch TrafficCom AG, Iteris, Inc., Q-Free ASA, Efon GmbH, GeoToll, Inc., ElectricFeel AG, Doublemap, LLC, BestMile Sarl, Aptiv PLC (nuTonomy), etc.

Key Questions Answered in This Report

1. What was the size of the global intelligent transport systems market in 2022?
2. What is the expected growth rate of the global intelligent transport systems market during 2023-2028?
3. What has been the impact of COVID-19 on the global intelligent transport systems market?
4. What are the key factors driving the global intelligent transport systems market?
5. What is the breakup of the global intelligent transport systems market based on the mode of transport?
6. What is the breakup of the global intelligent transport systems market based on the product?
7. What is the breakup of the global intelligent transport systems market based on the offering?
8. What is the breakup of the global intelligent transport systems market based on the application?
9. What are the key regions in the global intelligent transport systems market?
10. Who are the key players/companies in the global intelligent transport systems market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL INTELLIGENT TRANSPORT SYSTEMS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Mode of Transport
- 5.5 Market Breakup by Product
- 5.6 Market Breakup by Protocol
- 5.7 Market Breakup by Offering
- 5.8 Market Breakup by Application
- 5.9 Market Breakup by Region
- 5.10 Market Forecast

6 MARKET BREAKUP BY MODE OF TRANSPORT

- 6.1 Roadways

- 6.1.1 Market Trends
- 6.1.2 Market Forecast
- 6.2 Railways
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Airways
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast

7 MARKET BREAKUP BY PRODUCT

- 7.1 Network Management Systems
 - 7.1.1 Market Trends
 - 7.1.2 Market Breakup by Type
 - 7.1.2.1 Advanced Traffic Management Systems (ATMS)
 - 7.1.2.2 Road User Charging, Congestion Charging, etc.
 - 7.1.3 Market Forecast
- 7.2 Freight and Commercial Systems
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Public Transport Systems
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Security and Crime Reduction Systems
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Automotive and Infotainment Systems
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Road Safety Systems
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast
- 7.7 Communications Systems
 - 7.7.1 Market Trends
 - 7.7.2 Market Forecast

8 MARKET BREAKUP BY PROTOCOL

- 8.1 Short Range

- 8.1.1 Market Trends
- 8.1.2 Market Breakup by Type
 - 8.1.2.1 Wave (IEEE 802.11)
 - 8.1.2.2 Wpan (IEEE 802.15)
- 8.1.3 Market Forecast
- 8.2 Long Range
 - 8.2.1 Market Trends
 - 8.2.2 Market Breakup by Type
 - 8.2.2.1 Wimax (IEEE 802.11)
 - 8.2.2.2 Ofdm
 - 8.2.3 Market Forecast
- 8.3 IEEE 1512
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Traffic Management Data Dictionary (TMDD)
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast

9 MARKET BREAKUP BY OFFERING

- 9.1 Hardware
 - 9.1.1 Market Trends
 - 9.1.2 Market Breakup by Type
 - 9.1.2.1 Interface Board
 - 9.1.2.2 Sensor
 - 9.1.2.3 Surveillance Camera
 - 9.1.2.4 Telecommunication Network
 - 9.1.2.5 Monitoring and Detection System
 - 9.1.2.6 Others
 - 9.1.3 Market Forecast
- 9.2 Software
 - 9.2.1 Market Trends
 - 9.2.2 Market Breakup by Type
 - 9.2.2.1 Visualization Software
 - 9.2.2.2 Video Detection Management Software
 - 9.2.2.3 Transit Management System

9.2.2.4 Others

9.2.3 Market Forecast

9.3 Services

9.3.1 Market Trends

9.3.2 Market Breakup by Type

9.3.2.1 Business and Cloud Services

9.3.2.2 Support and Maintenance Services

9.3.3 Market Forecast

10 MARKET BREAKUP BY APPLICATION

10.1 Fleet Management and Asset Monitoring

10.1.1 Market Trends

10.1.2 Market Forecast

10.2 Intelligent Traffic Control

10.2.1 Market Trends

10.2.2 Market Forecast

10.3 Collision Avoidance

10.3.1 Market Trends

10.3.2 Market Forecast

10.4 Parking Management

10.4.1 Market Trends

10.4.2 Market Forecast

10.5 Passenger Information Management

10.5.1 Market Trends

10.5.2 Market Forecast

10.6 Ticketing Management

10.6.1 Market Trends

10.6.2 Market Forecast

10.7 Emergency Vehicle Notification

10.7.1 Market Trends

10.7.2 Market Forecast

10.8 Automotive Telematics

10.8.1 Market Trends

10.8.2 Market Forecast

11 MARKET BREAKUP BY REGION

11.1 North America

- 11.1.1 Market Trends
- 11.1.2 Market Forecast
- 11.2 Asia Pacific
 - 11.2.1 Market Trends
 - 11.2.2 Market Forecast
- 11.3 Europe
 - 11.3.1 Market Trends
 - 11.3.2 Market Forecast
- 11.4 Middle East and Africa
 - 11.4.1 Market Trends
 - 11.4.2 Market Forecast
- 11.5 Latin America
 - 11.5.1 Market Trends
 - 11.5.2 Market Forecast

12 SWOT ANALYSIS

- 12.1 Overview
- 12.2 Strengths
- 12.3 Weaknesses
- 12.4 Opportunities
- 12.5 Threats

13 VALUE CHAIN ANALYSIS

14 PORTERS FIVE FORCES ANALYSIS

- 14.1 Overview
- 14.2 Bargaining Power of Buyers
- 14.3 Bargaining Power of Suppliers
- 14.4 Degree of Competition
- 14.5 Threat of New Entrants
- 14.6 Threat of Substitutes

15 PRICE ANALYSIS

16 COMPETITIVE LANDSCAPE

- 16.1 Market Structure

16.2 Key Players

16.3 Profiles of Key Players

16.3.1 Siemens AG

16.3.2 Thales Group

16.3.3 Garmin Ltd.

16.3.4 Cubic Corporation

16.3.5 FLIR Systems

16.3.6 Lanner Electronics

16.3.7 DENSO Corporation

16.3.8 International Business Machines (IBM) Corporation

16.3.9 ADDCO Acquisition, LLC

16.3.10 TomTom N.V.

16.3.11 Kapsch TrafficCom AG

16.3.12 Iteris, Inc.

16.3.13 Q-Free ASA

16.3.14 Efkon GmbH

16.3.15 GeoToll , Inc.

16.3.16 ElectricFeel AG

16.3.17 Doublemap, LLC

16.3.18 BestMile Sarl

16.3.19 Aptiv PLC (nuTonomy)

List Of Tables

LIST OF TABLES

Table 1: Global: Intelligent Transport Systems Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Intelligent Transport Systems Market Forecast: Breakup by Mode of Transport (in Billion US\$), 2023-2028

Table 3: Global: Intelligent Transport Systems Market Forecast: Breakup by Product (in Billion US\$), 2023-2028

Table 4: Global: Intelligent Transport Systems Market Forecast: Breakup by Protocol (in Billion US\$), 2023-2028

Table 5: Global: Intelligent Transport Systems Market Forecast: Breakup by Offering (in Billion US\$), 2023-2028

Table 6: Global: Intelligent Transport Systems Market Forecast: Breakup by Application (in Billion US\$), 2023-2028

Table 7: Global: Intelligent Transport Systems Market Forecast: Breakup by Region (in Billion US\$), 2023-2028

Table 8: Global: Intelligent Transport Systems Market Structure

Table 9: Global: Intelligent Transport Systems Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Intelligent Transport Systems Market: Major Drivers and Challenges

Figure 2: Global: Intelligent Transport Systems Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Intelligent Transport Systems Market: Breakup by Mode of Transport (in %), 2022

Figure 4: Global: Intelligent Transport Systems Market: Breakup by Product (in %), 2022

Figure 5: Global: Intelligent Transport Systems Market: Breakup by Protocol (in %), 2022

Figure 6: Global: Intelligent Transport Systems Market: Breakup by Offering (in %), 2022

Figure 7: Global: Intelligent Transport Systems Market: Breakup by Application (in %), 2022

Figure 8: Global: Intelligent Transport Systems Market: Breakup by Region (in %), 2022

Figure 9: Global: Intelligent Transport Systems Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 10: Global: Intelligent Transport Systems Industry: SWOT Analysis

Figure 11: Global: Intelligent Transport Systems Industry: Value Chain Analysis

Figure 12: Global: Intelligent Transport Systems Industry: Porter's Five Forces Analysis

Figure 13: Global: Intelligent Transport Systems (Roadways) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 14: Global: Intelligent Transport Systems (Roadways) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 15: Global: Intelligent Transport Systems (Railways) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 16: Global: Intelligent Transport Systems (Railways) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 17: Global: Intelligent Transport Systems (Airways) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 18: Global: Intelligent Transport Systems (Airways) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 19: Global: Intelligent Transport Systems (Network Management) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 20: Global: Intelligent Transport Systems (Network Management) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 21: Global: Intelligent Transport Systems (Freight and Commercial) Market:

Sales Value (in Billion US\$), 2017 & 2022

Figure 22: Global: Intelligent Transport Systems (Freight and Commercial) Market

Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 23: Global: Intelligent Transport Systems (Public Transport) Market: Sales Value

(in Billion US\$), 2017 & 2022

Figure 24: Global: Intelligent Transport Systems (Public Transport) Market Forecast:

Sales Value (in Billion US\$), 2023-2028

Figure 25: Global: Intelligent Transport Systems (Security and Crime Reduction)

Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 26: Global: Intelligent Transport Systems (Security and Crime Reduction) Market

Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 27: Global: Intelligent Transport Systems (Automotive and Infotainment) Market:

Sales Value (in Billion US\$), 2017 & 2022

Figure 28: Global: Intelligent Transport Systems (Automotive and Infotainment) Market

Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 29: Global: Intelligent Transport Systems (Road Safety) Market: Sales Value (in

Billion US\$), 2017 & 2022

Figure 30: Global: Intelligent Transport Systems (Road Safety) Market Forecast: Sales

Value (in Billion US\$), 2023-2028

Figure 31: Global: Intelligent Transport Systems (Communications) Market: Sales Value

(in Billion US\$), 2017 & 2022

Figure 32: Global: Intelligent Transport Systems (Communications) Market Forecast:

Sales Value (in Billion US\$), 2023-2028

Figure 33: Global: Intelligent Transport Systems (Short Range) Market: Sales Value (in

Billion US\$), 2017 & 2022

Figure 34: Global: Intelligent Transport Systems (Short Range) Market Forecast: Sales

Value (in Billion US\$), 2023-2028

Figure 35: Global: Intelligent Transport Systems (Long Range) Market: Sales Value (in

Billion US\$), 2017 & 2022

Figure 36: Global: Intelligent Transport Systems (Long Range) Market Forecast: Sales

Value (in Billion US\$), 2023-2028

Figure 37: Global: Intelligent Transport Systems (IEEE 1512) Market: Sales Value (in

Billion US\$), 2017 & 2022

Figure 38: Global: Intelligent Transport Systems (IEEE 1512) Market Forecast: Sales

Value (in Billion US\$), 2023-2028

Figure 39: Global: Intelligent Transport Systems (Traffic Management Data Dictionary)

Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 40: Global: Intelligent Transport Systems (Traffic Management Data Dictionary)

Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 41: Global: Intelligent Transport Systems (Other Protocols) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 42: Global: Intelligent Transport Systems (Other Protocols) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 43: Global: Intelligent Transport Systems (Hardware) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 44: Global: Intelligent Transport Systems (Hardware) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 45: Global: Intelligent Transport Systems (Software) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 46: Global: Intelligent Transport Systems (Software) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 47: Global: Intelligent Transport Systems (Services) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 48: Global: Intelligent Transport Systems (Services) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 49: Global: Intelligent Transport Systems (Fleet Management and Asset Monitoring) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 50: Global: Intelligent Transport Systems (Fleet Management and Asset Monitoring) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 51: Global: Intelligent Transport Systems (Intelligent Traffic Control) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 52: Global: Intelligent Transport Systems (Intelligent Traffic Control) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 53: Global: Intelligent Transport Systems (Collision Avoidance) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 54: Global: Intelligent Transport Systems (Collision Avoidance) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 55: Global: Intelligent Transport Systems (Parking Management) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 56: Global: Intelligent Transport Systems (Parking Management) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 57: Global: Intelligent Transport Systems (Passenger Information Management) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 58: Global: Intelligent Transport Systems (Passenger Information Management) Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 59: Global: Intelligent Transport Systems (Ticketing Management) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 60: Global: Intelligent Transport Systems (Ticketing Management) Market

Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 61: Global: Intelligent Transport Systems (Emergency Vehicle Notification)

Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 62: Global: Intelligent Transport Systems (Emergency Vehicle Notification)

Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 63: Global: Intelligent Transport Systems (Automotive Telematics) Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 64: Global: Intelligent Transport Systems (Automotive Telematics) Market

Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 65: North America: Intelligent Transport Systems Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 66: North America: Intelligent Transport Systems Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 67: Asia Pacific: Intelligent Transport Systems Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 68: Asia Pacific: Intelligent Transport Systems Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 69: Europe: Intelligent Transport Systems Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 70: Europe: Intelligent Transport Systems Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 71: Middle East and Africa: Intelligent Transport Systems Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 72: Middle East and Africa: Intelligent Transport Systems Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 73: Latin America: Intelligent Transport Systems Market: Sales Value (in Billion US\$), 2017 & 2022

Figure 74: Latin America: Intelligent Transport Systems Market Forecast: Sales Value (in Billion US\$), 2023-2028

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