

South Korea Smart Transportation Market Report by Solution and Services (Solution, Services), Transportation Mode (Roadways, Railways, Airways, Maritime), Application (Mobility as a Service, Public Transport, Transit Hubs, Connected Cars, Video Management, and Others), and Region 2026-2034

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Abstracts

South Korea smart transportation market size reached USD 2.5 Billion in 2025. Looking forward, IMARC Group expects the market to reach USD 5.4 Billion by 2034, exhibiting a growth rate (CAGR) of 8.80% during 2026-2034. The rising levels of traffic congestion and environmental concerns, which have created a demand for smart transportation solutions that can optimize traffic flow, reduce congestion, and minimize environmental impact, are driving the market.

Smart transportation refers to the integration of advanced technologies and data-driven solutions to enhance the efficiency, safety, and sustainability of transportation systems. It encompasses a range of innovations, such as intelligent traffic management, connected vehicles, and real-time data analytics. Smart transportation leverages sensors, communication networks, and artificial intelligence to optimize traffic flow, reduce congestion, and enhance overall mobility. Examples include smart traffic lights that adapt to real-time traffic conditions, GPS-enabled navigation systems providing route optimization, and connected vehicles that communicate with each other to prevent accidents. By leveraging technology, smart transportation aims to create more accessible, reliable, and environmentally friendly modes of transportation, ultimately improving the overall quality of urban and interurban mobility. The goal is to create a seamless and integrated transportation ecosystem that responds dynamically to the needs of both individuals and the broader community.

SOUTH KOREA SMART TRANSPORTATION MARKET TRENDS:

The smart transportation market in South Korea is witnessing unprecedented growth, primarily driven by the escalating demand for advanced mobility solutions and the pressing need for sustainable transportation alternatives. Firstly, the increasing regional urbanization trend has spurred the demand for efficient transportation systems to alleviate traffic congestion and enhance overall urban mobility. Moreover, the rise of smart cities and the integration of Internet of Things (IoT) technologies have played a pivotal role in reshaping transportation landscapes. Connected vehicles and intelligent traffic management systems contribute to streamlined traffic flow and reduced carbon emissions. Furthermore, the growing emphasis on environmental sustainability acts as a significant driver for the smart transportation market. Governments in South Korea are implementing stringent regulations to curb pollution, prompting a shift towards electric and hybrid vehicles, as well as the adoption of intelligent transportation solutions that optimize routes for fuel efficiency. Additionally, the ongoing advancements in artificial intelligence and machine learning, which have enabled the development of predictive maintenance systems, thereby enhancing the reliability and safety of transportation networks, are expected to drive the smart transportation market in South Korea during the forecast period.

SOUTH KOREA SMART TRANSPORTATION MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country level for 2026-2034. Our report has categorized the market based on solution and services, transportation mode, and application.

Solution and Services Insights:

Solution

Hybrid Ticketing Management System

Parking Management and Guidance System

Integrated Supervision System

Traffic Management System

Others

Services

Business Services

Professional Services

Cloud Services

The report has provided a detailed breakup and analysis of the market based on the solution and services. This includes solution (hybrid ticketing management system, parking management and guidance system, integrated supervision system, integrated supervision, traffic management system, and others) and services (business services, professional services, and cloud services).

Transportation Mode Insights:

Roadways

Railways

Airways

Maritime

A detailed breakup and analysis of the market based on the transportation mode have also been provided in the report. This includes roadways, railways, airways, and maritime.

Application Insights:

Mobility as a Service

Public Transport

Transit Hubs

Connected Cars

Video Management

The report has provided a detailed breakup and analysis of the market based on the application. This includes mobility as a service, public transport, transit hubs, connected cars, video management, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and Others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape in the market. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea smart transportation market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the South Korea smart transportation market?

What is the breakup of the South Korea smart transportation market on the basis of

solution and services?

What is the breakup of the South Korea smart transportation market on the basis of transportation mode?

What is the breakup of the South Korea smart transportation market on the basis of application?

What are the various stages in the value chain of the South Korea smart transportation market?

What are the key driving factors and challenges in the South Korea smart transportation?

What is the structure of the South Korea smart transportation market and who are the key players?

What is the degree of competition in the South Korea smart transportation market?

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