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Smart Mobility Infrastructure Market Forecasts to 2034 – Global Analysis By Product Type (Electric Vehicles (EVs), Autonomous Vehicles (AVs), Connected Vehicles (CVs) and Mobility-as-a-Service (MaaS)), Solution, Technology, Application, End User and By Geography

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Abstracts

According to Stratistics MRC, the Global Smart Mobility Infrastructure Market is accounted for $23.2 billion in 2026 and is expected to reach $76.1 billion by 2034 growing at a CAGR of 16.0% during the forecast period. Smart mobility infrastructure refers to the integration of digital solutions and connected transport networks to improve the performance, safety, and environmental impact of transportation systems. It encompasses smart traffic control, electric vehicle charging, integrated transit stations, and live data services for commuters. Using technologies such as IoT, artificial intelligence, and cloud platforms, cities can manage congestion, streamline movement, and cut emissions. It enables shared transport models, supports autonomous driving, and simplifies digital payments. Collaboration between public authorities and private firms drives upgrades to roads, communications, and transit, building flexible systems suited to expanding populations and changing mobility needs worldwide.

According to the International Energy Agency (IEA), global investment in electric vehicle charging infrastructure exceeded $30 billion in 2023, reflecting strong momentum in digital and smart transport systems that underpin Smart Mobility.

Market Dynamics:

Driver:

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Rising urbanization and traffic congestion

Growing urban populations and worsening traffic congestion are key factors boosting the smart mobility infrastructure market. As more people move into cities, transportation systems become strained, causing delays and increased emissions. Smart solutions like connected traffic systems, live tracking, and coordinated transit services improve efficiency and reduce bottlenecks. Authorities are focusing on upgrading infrastructure with digital technologies to support smoother mobility. These developments are essential for maintaining economic productivity and improving quality of life. The increasing demand for efficient, sustainable urban transportation systems is driving continuous investment in smart mobility infrastructure across major cities globally.

Restraint:

Data privacy and cybersecurity concerns

Concerns related to data protection and cybersecurity significantly hinder the adoption of smart mobility infrastructure. These systems depend on extensive data exchange, increasing the risk of hacking and unauthorized access. Sensitive user and operational information can be exposed if proper safeguards are not in place. Maintaining strong security systems demands constant upgrades and skilled professionals. Compliance with data regulations further complicates deployment. Such risks reduce confidence among users and stakeholders, making them hesitant to adopt these technologies. The fear of cyber threats and data misuse continues to slow down the implementation of advanced mobility solutions globally.

Opportunity:

Advancements in 5G and communication networks

The expansion of 5G technology and modern communication networks offers strong growth prospects for smart mobility infrastructure. Faster connectivity allows instant data exchange, reduced delays, and improved system efficiency. These features are critical for technologies like self-driving vehicles, intelligent traffic management, and connected transit systems. Better network capabilities enhance coordination among vehicles and infrastructure. Significant investments by telecom providers and governments are accelerating deployment. As communication networks become more advanced, smart mobility solutions become more efficient and scalable, driving

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innovation and creating new opportunities for infrastructure development in global markets.

Threat:

High dependence on advanced technologies

Dependence on sophisticated technologies is a potential risk for the smart mobility infrastructure market. Systems relying on AI, IoT, and connectivity may face disruptions due to failures or outdated components. Frequent technological advancements require constant upgrades, increasing expenses and complexity. Relying on third-party providers can also introduce supply chain and compatibility issues. Integration challenges between different systems may reduce efficiency. These risks create operational uncertainties and may discourage adoption. As a result, the long-term stability and scalability of smart mobility infrastructure projects can be affected across global markets.

Covid-19 Impact:

The COVID-19 outbreak had a notable effect on the smart mobility infrastructure market, causing disruptions in transportation and postponement of development projects. Restrictions on movement led to decreased demand, impacting funding and investments. Interruptions in global supply chains delayed the deployment of essential systems. Despite these challenges, the situation accelerated the adoption of digital and contactless technologies in mobility. Authorities focused more on building resilient and efficient transport systems. The growing emphasis on sustainability and advanced solutions after the pandemic has contributed to recovery, creating new opportunities for long-term expansion of smart mobility infrastructure worldwide.

The electric vehicles (EVs) segment is expected to be the largest during the forecast period

The electric vehicles (EVs) segment is expected to account for the largest market share during the forecast period, driven by the global shift toward cleaner transportation solutions. Growing EV adoption has led to increased focus on building charging networks, integrating power systems, and enhancing energy management capabilities. Both governments and private organizations are investing heavily in infrastructure and supportive regulations to boost EV usage. Smart mobility systems help improve charging efficiency and optimize energy consumption. The emphasis on sustainability,

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along with strong policy backing, ensures that EVs remain the leading segment within the smart mobility infrastructure landscape worldwide.

The government & urban infrastructure segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the government & urban infrastructure segment is predicted to witness the highest growth rate, driven by rising investments in smart city initiatives and upgrades to public transport systems. Authorities are implementing intelligent traffic management, connected transit solutions, and digital frameworks to enhance urban mobility. Emphasis on sustainability, safety, and efficient use of resources is encouraging large infrastructure developments. Strong policy backing, funding support, and public sector involvement are boosting adoption. With increasing urbanization, the need for advanced infrastructure is expanding, leading to significant growth in this segment across global markets.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, supported by its strong technological base and high investment capacity. The region has been an early adopter of smart transportation solutions, including connected systems and digital networks. Active collaboration between government bodies and private companies drives innovation and infrastructure growth. The availability of advanced urban systems and leading technology firms enhances implementation. Efforts to reduce congestion, enhance safety, and promote sustainability further strengthen its position. Ongoing technological progress and favorable regulations continue to ensure North America’s leadership in the development of smart mobility infrastructure solutions.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, driven by urban expansion, rising population, and strong investments in smart city initiatives. Governments are actively upgrading transport systems using advanced digital technologies and smart traffic solutions. Increased adoption of electric vehicles, development of public transportation, and improved connectivity are boosting market expansion. Collaborative efforts between public and private sectors are further supporting implementation. With growing demand for efficient and modern mobility systems, the region continues to witness rapid and consistent growth in smart mobility

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infrastructure development.

Key players in the market

Some of the key players in Smart Mobility Infrastructure Market include Siemens, Cisco, Honeywell, Hitachi, Schneider Electric, Kapsch TrafficCom, Cubic Transportation Systems, Iteris, TomTom, Robert Bosch, Ford Motor Company, Excelfore, Thales Group, IBM, Huawei, Alstom, ChargePoint and Verra Mobility.

Key Developments:

In February 2026, Siemens Mobility and Stadler has officially confirmed the framework agreement signed with DSB for the delivery of 226 fully automated electric multiple units for the S-Bane suburban network in Copenhagen. The project is valued at approximately EUR 3 billion and will create the world’s largest open rail system with automatic train operation (GoA4).

In January 2026, Cisco Systems, Inc. announced its multi-year partnership with Georgetown University to modernize the campus network. Management noted that the partnership entails upgrading the entire university campus network using cutting-edge technologies. As a result, Georgetown will become one of the first universities with the largest Wi-Fi 7 deployment.

In May 2025, Honeywell has entered into an agreement to acquire Johnson Matthey’s Catalyst Technologies business for ?1.8 billion in an all-cash transaction. The deal, valued at roughly 11 times the estimated 2025 EBITDA including tax benefits and cost synergies, aims to strengthen Honeywell’s Energy and Sustainability Solutions (ESS) segment.

Product Types Covered:

Electric Vehicles (EVs)

Autonomous Vehicles (AVs)

Connected Vehicles (CVs)

Mobility-as-a-Service (MaaS)

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Solutions Covered:

- Traffic Management Systems
- Smart Parking Systems
- Fleet Management Solutions
- Transportation Services

Technologies Covered:

- Artificial Intelligence (AI) & Machine Learning (ML)
- Internet of Things (IoT)
- Embedded Systems

Applications Covered:

- Urban Transportation Optimization
- Fleet Operations Efficiency
- Traffic Flow Management

End Users Covered:

- Personal Mobility
- Commercial Mobility
- Government & Urban Infrastructure

Regions Covered:

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North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

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- South Korea
- Australia
- Indonesia
- Thailand
- Malaysia
- Singapore
- Vietnam
- Rest of Asia Pacific

South America

- Brazil
- Argentina
- Colombia
- Chile
- Peru
- Rest of South America

Rest of the World (RoW)

- Middle East
  - Saudi Arabia
  - United Arab Emirates

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- Qatar
- Israel
- Rest of Middle East

Africa

- South Africa
- Egypt
- Morocco
- Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

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Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

- Company Profiling
  - Comprehensive profiling of additional market players (up to 3)
  - SWOT Analysis of key players (up to 3)
- Regional Segmentation
  - Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)
- Competitive Benchmarking
  - Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Contents

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11 STRATEGIC MARKET INTELLIGENCE

12 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

13 COMPANY PROFILES

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List Of Tables

LIST OF TABLES

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Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) Regions are also represented in the same manner as above.

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