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Mobility Data Platforms Market Forecasts to 2034 – Global Analysis By Platform Type (Multimodal Mobility Platforms, Fleet Data Platforms, Traffic Data Platforms, Location Intelligence Platforms and Other Platform Types), Data Source, Deployment, Analytics Type, End User, and Geography

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Abstracts

According to Stratistics MRC, the Global Mobility Data Platforms Market is accounted for $9.6 billion in 2026 and is expected to reach $31.4 billion by 2034 growing at a CAGR of 16% during the forecast period. Mobility data platforms are digital solutions that collect, integrate, process, and analyze transportation data from multiple sources, including connected vehicles, public transit systems, GPS devices, mobile applications, traffic sensors, and infrastructure networks. These platforms leverage artificial intelligence, cloud computing, and advanced analytics to provide real-time insights for traffic management, fleet optimization, urban planning, multimodal transportation, and mobility-as-a-service (MaaS). Mobility data platforms improve operational efficiency, enhance traveler experiences, and support data-driven transportation planning. Increasing deployment of connected mobility solutions and smart city initiatives is driving global market growth.

Market Dynamics:

Driver:

Growing multimodal transport integration

Mobility data platforms collect and integrate transportation data from multiple mobility

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services into a unified digital environment. They help operators improve planning and support real-time transportation decisions. Governments and transport agencies are investing in connected mobility ecosystems. The growing use of shared mobility and intelligent transport systems is increasing data exchange requirements. Cloud-based analytics are further improving operational visibility. These developments are strengthening the adoption of integrated mobility platforms.

Restraint:

Fragmented transportation data sources

Transportation data is often generated by independent agencies operators and service providers using different standards and systems. This makes data integration and interoperability more challenging. Inconsistent data quality can reduce the accuracy of mobility analytics. Organizations also face difficulties in establishing unified data-sharing frameworks. Integration delays may slow digital transformation initiatives. These challenges continue to affect the efficiency of mobility data management.

Opportunity:

AI-powered mobility intelligence platforms

Artificial intelligence enables mobility platforms to analyze large transportation datasets and generate predictive operational insights. It supports better traffic management and resource optimization across transportation networks. AI algorithms improve demand forecasting and route planning capabilities. Public and private mobility operators are increasing investments in intelligent analytics. Digital innovation is expanding the use of data-driven transportation services. The adoption of AI is reshaping the future of smart mobility management.

Threat:

Cybersecurity risks to mobility networks

Mobility platforms process large volumes of operational and passenger data that require strong cybersecurity protection. Digital transportation systems are becoming increasingly vulnerable to cyberattacks as connectivity expands. Security breaches can disrupt transportation services and compromise sensitive information. Organizations must continuously strengthen network protection and threat detection capabilities.

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Regulatory compliance also increases cybersecurity requirements. Maintaining secure digital mobility ecosystems remains a critical industry priority.

Covid-19 Impact:

The COVID-19 pandemic disrupted transportation networks as travel restrictions reduced passenger movement across public and private mobility services. Mobility data platforms helped authorities monitor travel patterns and optimize transportation resources during changing demand conditions. They also supported data-driven planning for service restoration after restrictions were eased. Demand for digital mobility solutions increased during the recovery phase. Transport operators invested in advanced analytics to improve operational resilience. Digital transformation initiatives accelerated across the mobility sector.

The connected vehicles segment is expected to be the largest during the forecast period

The connected vehicles segment is expected to account for the largest market share during the forecast period as connected vehicles continuously generate real-time data related to traffic conditions vehicle performance. This information supports efficient transportation planning and intelligent mobility services. Increasing vehicle connectivity is expanding data generation across transport networks. Advanced communication technologies are improving information exchange between vehicles and infrastructure. Growing deployment of connected mobility solutions is supporting market expansion.

The predictive analytics segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the predictive analytics segment is predicted to witness the highest growth rate due to its ability to forecast traffic patterns optimize transport operations and improve infrastructure planning using historical and real-time data. These capabilities help transportation agencies make proactive operational decisions. AI and machine learning technologies are enhancing forecasting accuracy. Organizations are increasingly adopting predictive tools to improve service efficiency. Demand for intelligent transportation planning continues to rise.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest

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market share owing to strong adoption of intelligent transportation systems. The United States leads the regional market through large-scale investments in connected mobility technologies while Canada is expanding smart transportation infrastructure across major cities. Mexico is adopting digital mobility platforms to improve urban transportation management and logistics operations. Continuous innovation and established digital infrastructure support widespread platform deployment. The region continues to set the pace for mobility data innovation.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR driven by rapid smart city development. China is expanding digital transportation networks through intelligent mobility initiatives while India is investing in integrated urban mobility platforms across major metropolitan areas. Japan is advancing connected transportation technologies and South Korea continues strengthening AI-enabled smart mobility ecosystems. Rising urbanization and digital infrastructure investments are creating strong market opportunities.

Key players in the market

Some of the key players in Mobility Data Platforms Market include PTV Group, INRIX, Inc., TomTom N.V., Here Technologies, Esri, Cisco Systems, Inc., IBM Corporation, Oracle Corporation, Hexagon AB, Trimble Inc., Hitachi, Ltd., Siemens Mobility GmbH, Kapsch TrafficCom AG, Cubic Corporation and Geotab Inc.

Key Developments:

In July 2026, Siemens Mobility GmbH entered a long-term consortium contract to deliver digital infrastructure for the Berlin S-Bahn expansion project. The deployment leverages their Railigent X application suite to supply predictive maintenance diagnostics and automated train orchestration capabilities.

In October 2025, Cisco Systems, Inc. launched its Catalyst industrial routing architecture specifically designed for roadside and trackside command loops. The hardware establishes highly secure, ultra-low latency edge communication nodes tailored for automated highway and signaling networks.

Platform Types Covered:

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- Multimodal Mobility Platforms
- Fleet Data Platforms
- Traffic Data Platforms
- Location Intelligence Platforms
- Other Platform Types

Data Sources Covered:

- Connected Vehicles
- Intelligent Transportation Systems
- Mobile Devices
- Public Transit Systems
- Other Data Sources

Deployments Covered:

- Cloud-Based
- On-Premise

Analytics Types Covered:

- Descriptive Analytics
- Predictive Analytics
- Prescriptive Analytics

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- Real-Time Analytics
- Other Analytics Types

End Users Covered:

- Transportation Agencies
- Mobility Service Providers
- Logistics Companies
- Smart City Authorities
- Other End Users

Regions Covered:

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - United Kingdom
  - Germany
  - France
  - Italy
  - Spain

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- Netherlands
- Belgium
- Sweden
- Switzerland
- Poland
- Rest of Europe

Asia Pacific

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

South America

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

Rest of the World (RoW)

- Middle East
  - Saudi Arabia
  - United Arab Emirates
  - Qatar
  - Israel
  - Rest of Middle East
- Africa
  - South Africa
  - Egypt
  - Morocco
  - Rest of Africa

What our report offers:

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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

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

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presence, and strategic alliances

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