

# **Geographic Information System (GIS) Market Report by Component (Hardware, Software, Services), Function (Mapping, Surveying, Telematics and Navigation, Location-Based Services), Device (Desktop, Mobile), End Use Industry (Agriculture, Utilities, Mining, Construction, Transportation, Oil and Gas, and Others), and Region 2024-2032**

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## **Abstracts**

The global geographic information system (GIS) market size reached US\$ 12.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 35.5 Billion by 2032, exhibiting a growth rate (CAGR) of 11.5% during 2024-2032.

The geographic information system (GIS) is a system that gathers, manages, and examines data related to positions on the earth's surface. It integrates different data formats, including cartographic, photographic, and digital data, which enables users to understand topographical information and relationships better. As a result, GIS software is used for mapping, accident analysis, rerouting design, transportation planning, disaster management and mitigation, landslide hazard zonation and navigation. These functions are performed by analyzing spatial information and visually organizing layers of data using 3D maps.

GIS maps can be easily shared and embedded in apps to be accessed virtually by anyone, anywhere. These systems also help in gaining a better insight into spatial patterns and relationships while lowering costs, enabling better decision-making and improving overall management performance. Consequently, GIS is used across diverse industries, ranging from education, and military and defense to agriculture, forestry, and real estate. In the military and defense sector, GIS is used in location intelligence,

logistics management and spy satellites. The utilization of GIS has also increased in the agriculture sector for precision farming, soil mapping and analyzing crop productivity. Moreover, with the advancements in the technology, key players are integrating artificial intelligence (AI) with GIS. For instance, the advent of geospatial artificial intelligence (GeoAI) that uses AI to extract information from spatial big data has helped governments in developing smart cities, planning urban infrastructure and tracking changes in an area over time.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global geographic information system (GIS) market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on component, function, device and end use industry.

#### Breakup by Component:

- Hardware
- Software
- Services

#### Breakup by Function:

- Mapping
- Surveying
- Telematics and Navigation
- Location-Based Services

#### Breakup by Device:

- Desktop
- Mobile

#### Breakup by End Use Industry:

- Agriculture
- Utilities
- Mining
- Construction
- Transportation

Oil and Gas  
Others

#### Breakup by Region:

North America  
United States  
Canada  
Asia Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Autodesk Inc., Bentley Systems Incorporated, Caliper Corporation (PSI Services LLC), Computer Aided Development Corporation Limited (Cadcorp), Environmental Systems Research Institute Inc., General Electric Company, Geosoft Inc. (Seequent Ltd.), Hexagon AB, Maxar Technologies Inc., SuperMap Software Co. Ltd., Topcon Corporation and Trimble Inc.

#### Key Questions Answered in This Report

1. What is the market size for the global geographic information system (GIS) market in 2023?
2. What is the expected growth rate of the global geographic information system (GIS) market during 2024-2032?
3. What are the global geographic information system (GIS) market drivers?
4. What are the key industry trends in the global geographic information system (GIS) market?
5. What is the impact of COVID-19 on the global geographic information system (GIS) market?
6. What is the global geographic information system (GIS) market breakup by component?
7. What is the global geographic information system (GIS) market breakup by function?
8. What is the global geographic information system (GIS) market breakup by device?
9. What is the global geographic information system (GIS) market breakup by end use industry?
10. What are the major regions in the global geographic information system (GIS) market?
11. Who are the key companies/players in the global geographic information system (GIS) market?

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