Geospatial Analytics - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 123 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License $4750.00
- Team License (1-7 Users) $5250.00
- Site License $6500.00
- Corporate License $8750.00

Report description:

The Geospatial Analytics Market size is estimated at USD 97.46 billion in 2025, and is expected to reach USD 178.05 billion by 2030, at a CAGR of 12.81% during the forecast period (2025-2030).

Key Highlights
- Geospatial analysis manipulates, collects, and displays geographic information system (GIS) data and imagery, such as satellite and GPS imagery. Geospatial analysis is based on geographic coordinates and specific identifiers, including street or postal codes.
- In this data-driven industrial age, location information and spatial data using interconnected technologies (augmented reality, big data, artificial intelligence, machine learning, IoT, and 3D technology) are transforming the core of traditional business practices, driving the competitive advantage through data visualization. The need for geospatial content, real-time data, and services at the consumer application and enterprise level is constantly increasing.
- 5G is also expected to aid in addressing environmental challenges such as disaster management and climate change through digital mapping and location intelligence technologies. The connectivity, speed, and capacity of 5G and IoT are expected to reduce greenhouse gas emissions, improve energy efficiency, and enable better renewable resource use. 5G is also anticipated to help improve decision-making about weather, vegetation, and waste management, increasing the requirement for geospatial analytics.
- The driving factor is the increasing acceptance of smart city development. Geospatial analytics solutions have become the platform for smart city growth. Geographic information system (GIS) has become an integral part of everyday life in smart cities. GIS provides an IT infrastructure that integrates all stakeholders and all smart city processes, from planning and design to development and maintenance.
- Geospatial data creation and analysis are extensively utilized in governments, corporations, and scientific fields. Still, the inherent confidentiality features of location data create obstacles for geospatial research and its societal applications. The public

concern over privacy was raised with the increasing usage of GIS and related geospatial technologies, and government rules and regulations restrict data gathering, location sharing, usage of location-based information, and data storage. This is expected to hinder the market's growth.
- However, many companies are updating their solutions to automate ML and AI technologies to offer accurate insights. With the advent of 5G technology, this trend will continue to increase during the forecast period. New start-ups are expected to boost the demand for the geospatial analytics market in the near future.

Geospatial Analytics Market Trends

Defense and Intelligence to be the Largest End-user Industry

- The geospatial systems allow the military to identify the locations of troops, bases, and important related information through GIS technology. The technology is used for defense site management for the military to manage bases and detachments across all levels of command. It can track troop movements, locate resources, and plan missions. It is also used in identifying targets for air-to-ground bombing missions. It has helped the military with target identification by providing various levels of topographical detail for a designated area of interest.
- According to the official sources in defense and security establishments, Geospatial data plays a vital role in a broad spectrum of critical data management applications, such as disaster, military operations and emergency management, environmental monitoring, and land and city planning.
- Furthermore, advancement in Geospatial technology enables more precise mapping of planets and additional celestial bodies than ever possible, turning the data and pictures that satellites and rovers send back into a wealth of spatial information. Although no astronaut has yet set foot on Martian soil, scientists have become highly familiar with the terrain's qualities with the help of Geospatial analytics.
- Planetary maps and mosaics generated from the spatial information gathered from these efforts build an understanding of the geology, topology, and landscape of distant objects in space. The US Geological Survey's Astrogeology Science Center delivers access to the images and data collected by various missions, including New Horizons, for use by researchers and the public. The database features visuals from the moon, Mars, Pluto, Saturn, Mercury, and more, with the compatibility to use geospatial analytics technology for further analysis.
- Moreover, increasing government investments in this sector may further propel the studied market demand in the projection period. For instance, According to SIPRI, in 2022, military spending worldwide amounted to USD 2.24 trillion, the highest during the period under consideration.

North America to Hold Significant Market Share

- The growth of the construction industry in the US and Canada is anticipated to increase the demand for 3D Mapping, and modeling is expected to grow during the forecast period, as the building process uses sophisticated 3D Mapping and geospatial analytics to create realistic modeling, which is preferable to using rolls of blueprints. This is further fueling the market's demand in the region.
- Therefore, companies are adopting location-tracking solutions to track and monitor their employees and what they come in contact with. Furthermore, location analytics can assist in defining the spatial boundaries to restrict inter-team communication within an organization.
- In November 2022, Sateliot, the United States-based nanosatellite telecommunications company to provide 5G connectivity for IoT devices, introduced its functional nanosatellite aboard a SpaceX Falcon 9 rocket to accelerate the massive IoT adoption and

shift the IoT industry into cheap global connectivity, bringing a technological innovation on par with the introduction of GPS. Sateliot intends to resolve these problems by introducing a network of small, powerful satellites to offer total, reliable coverage to each corner of the world, including disaster zones, oceans, and remote regions. Moreover, this technology will work for anyone with any standard IoT device, regardless of operator.
- For instance, in November 2022, AWS IoT Core, a managed cloud service that allows users to connect billions of IoT devices and routes trillions of messages to AWS services, introduced AWS IoT Core Device Location. This advanced feature makes it possible for users to manage and track IoT devices leveraging their location data, such as longitude and latitude coordinates. Customers can optimize their business processes, streamline and simplify maintenance efforts, and unlock new use cases by using Amazon Web Services IoT Core Device Location. For instance, users' field service teams can stay informed and easily identify the location of devices that need maintenance action. Global Positioning Service (GPS) is a commonly applied standard to locate an IoT device in an IoT application.
- Moreover, adopting cloud-based GIS and the surge in the application of VR and AR technologies in geographic information systems are anticipated to have a significant impact on the market growth during the forecast period.

Geospatial Analytics Market Overview

The geospatial analytics market is characterized by consolidation, with several prominent companies dominating specific regions and countries. These key players include ESRI Inc., General Electric (GE), Hexagon AB, MDA Corporation, Bentley Systems, Inc., Trimble Geospatial, and others. These industry giants employ various strategies to maintain a competitive edge.

In July 2023, Locana, an international spatial technology provider, joined forces with OpenStreetMap US, a nonprofit organization dedicated to supporting and expanding the OpenStreetMap (OSM) project. OSM aims to enhance access to high-quality geographic data, reduce the cost of utilizing location intelligence, and enable more organizations to leverage insights derived from location data.

In February 2023, GE Renewable Energy's Grid Solutions business secured a multi-million dollar contract from the Nepal Electricity Authority (NEA). This agreement involves the automation of 39 substations with varying ratings across Nepal. Additionally, it encompasses the construction of six Master Control Centers (MCCs), marking a significant development in Nepal's electrical infrastructure.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION
1.1 Study Assumptions and Market Definition
1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET INSIGHTS
4.1 Market Overview

4.2 Industry Value Chain Analysis
4.3 Industry Attractiveness - Porter's Five Forces Analysis
4.3.1 Threat of New Entrants
4.3.2 Bargaining Power of Buyers/Consumers
4.3.3 Bargaining Power of Suppliers
4.3.4 Threat of Substitute Products
4.3.5 Intensity of Competitive Rivalry

5 MARKET DYNAMICS
5.1 Market Drivers
5.1.1 Increase in Adoption of Smart City Development
5.1.2 Introduction of 5G to Boost Market Growth
5.2 Market Challenges
5.2.1 High Costs and Operational Concerns
5.2.2 Legal Hurdles
5.3 Assessment of Impact of COVID-19 on Geospatial Analytics Market

6 MARKET SEGMENTATION
6.1 By Type
6.1.1 Surface Analysis
6.1.2 Network Analysis
6.1.3 Geovisualization Analysis
6.2 By End-user Vertical
6.2.1 Agriculture
6.2.2 Utility and Communication
6.2.3 Defense and Intelligence
6.2.4 Government
6.2.5 Natural Resources
6.2.6 Other End-user Verticals
6.3 By Geography***
6.3.1 North America
6.3.2 Europe
6.3.3 Asia
6.3.4 Australia and New Zealand
6.3.5 Latin America
6.3.6 Middle East and Africa

7 COMPETITIVE LANDSCAPE
7.1 Company Profiles*
7.1.1 ESRI Inc.
7.1.2 MDA LTD.
7.1.3 Hexagon AB
7.1.4 TRIMBLE INC.
7.1.5 Bentley Systems, Inc.
7.1.6 Fugro NV
7.1.7 L3harris Technologies, Inc.
7.1.8 ATKINS PLC (SNC LAVLIN GROUP)

7.1.9 General Electric (GE)
7.1.10 Critigen LLC (Locana Formerly CRITIGEN)
7.1.11 Intermap Technologies Inc.

8 INVESTMENT ANALYSIS

9 MARKET OPPORTUNITIES AND FUTURE TRENDS

Geospatial Analytics - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 123 pages | Mordor Intelligence

To place an Order with Scotts International:

- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	$4750.00
	Team License (1-7 Users)	$5250.00
	Site License	$6500.00
	Corporate License	$8750.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2025-05-05
		Signature	