United States Geospatial Analytics Market By Component (Solution, Service), By Deployment Mode (On-Premises, Cloud), By Type (Surface & Field Analytics, Network & Location Analytics, Geo-visualization), By Application (Surveying, Medicine & Public Safety, Disaster Risk Reduction & Management, Climate Change Adaptation, Others), By End User Industry (Automotive, Utility & Communication, Government, Defense & Intelligence, Others), By Region, Competition Forecast & Opportunities, 2028F

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Abstracts

United States Geospatial Analytics Market is anticipated to grow at a high CAGR in the forecast period 2024-2028. The emergence of modern geospatial cloud, rapid advancement, and innovation in drone/UAV technology along with increasing penetration and adoption of Internet of things (IoT) coupled with rising demand for big data and Artificial Intelligence has enabled the Geospatial information system (GIS) solution. Additionally, the integration of information systems with a hybrid cloud computing environment for surveying and collecting high quality real-time data has anticipated the growth in the region. Moreover, users are looking for remote access at reasonable costs, which maintains their privacy, therefore increase in demand for GIS software in smart cities development and urban planning. These factors are driving the United States geospatial analytics market for the forecast period. Additionally, the growing usage of GIS applications for defense and intelligence, government, urban planning, environmental, and life science is likely to boost the demand for geospatial

based analytical tools across the country. The supporting initiatives and growing investment in the region are driving businesses to expand, to meet rising client demand. However, lack of awareness about the potential capabilities of the geospatial analytics solution may hamper the market's growth.

Geospatial analysis refers to a broad range of activities, emphasizes on applying various techniques to data and comprising of geospatial or space related characteristics. The Geographic Information System (GIS) collects geographic data, manages it for analysis, and then displays the refined geographic information for consumers to access. It has successfully integrated hardware, software, and data. It aids consumers in making decisions by making it simple and quick for them to absorb the facts. Cost saving with increased organizational effectiveness, improved decision-making, communication, and recordkeeping, and better control of geographic factors are all advantages.

The market is witnessing growth due to the constantly increasing demand for capturing real-time geographical data from all sectors. Additionally, the increasing emphasis on digital adoption by the government and awareness of key benefits like increased convenience and cost-saving by adopting software for numerous organizations would further lead to significant growth in the adoption of geospatial analysis across the country. The top service providers offer a location intelligence solution that can drive innovation across the business by supporting faster innovation, providing superior customer experiences, and enabling better business decisions with built-in analytics and a holistic view of the entire business. Along with geospatial, the top companies are providing services, with major applications in Climate Change Adaption (CCA) and Disaster Risk Reduction and Management (DRRM). Hence, complying with the demands of business and senior management, United States Geospatial Analytics Market is the most prospective industry for the future of the country, considering the scope of dynamism and continuously updating technology.

Adoption of IoT and Sensors Technologies is Driving the Market in the Forecast Period

The massive adoption of Internet of Things (IoT) and smart sensors technologies in the business are enabled the growth of many products and services. Geospatial analytics solutions integrated with IoT, and sensors is one of the concepts that most of the industries are adopting as its aids in assessing the risk, and monitoring the remote assets, etc. Complex data could not be managed by traditional GIS, which could only consider static, organised information. Get over this problem, modern GIS relies on the availability of on-demand spatiotemporal data observations and data. These integrated

technologies and geographic data services aids in enabling the collection of high-velocity data. Moreover, spatial IoT provides unique location and time information along with other data about items monitored business applications becoming more prevalent choice for branch offices and other facilities. Furthermore, the geospatial service provider with the adoption of IoT are simplifying the complex relationship through visualization and enhancing the predictive analytics offering the enriched customer's experience in the virtual and physical world. Therefore, Geospatial data analytics services are driving the United States Geospatial Analytics Market.

Increase in Demand for GIS Software in Smart Cities Development and Urban Planning

Real-time awareness sharing is essential for data-driven smart cities. Provide immediate helpful insights, the data is reviewed by a corporate GIS and shown on a map utilising data acquired from hundreds of IoT sensors. These data may be used to track the delivery of municipal services and to spot potential areas for local council service improvement. Local governments have also used location-based Internet of Things (IoT) data analysis to improve parks, increase safety, and foster innovation. As projects for smart cities are established, GIS technologies are employed to provide a universal location-enabled platform for use case research in smart city contexts. These include automated natural hazard monitoring with online GIS and SMS warnings, urban planning, intelligent transportation systems, disaster management SDI, and climate monitoring. The administration of construction projects and project operations, as well as site selection and land acquisition, planning, designing, and visualisation, are all made easier using GIS software in smart cities. Urban planning experts use GIS for analysis, modelling, and visualisations. Processing geospatial data via satellite imaging, aerial photography, and remote sensors provides users with a full perspective of the land and infrastructure. Throughout the projected period, the advantages of GIS drive the market's rise for geospatial analytics.

Growing Demand of GIS in Defence and Intelligence is Pushing the Market Growth

Historically, the defence and intelligence end-user's verticals has been one of the forerunners, in terms of geospatial analytics adoption for gathering actionable intelligence from massive amount of imagery and other information. Geospatial intelligence represents the complete integration of a nation's imagery and geospatial capabilities in support of defence and intelligence needs, helping in military bases facilitates maintenance, reducing base operation and maintenance costs, and improve mission effectiveness. Moreover, armed forces are utilizing GIS in a plenty of applications that consist of cartography, remote sensing, intelligence, terrain analysis,

battlefield management, and observing potential terrorist activities to resolve conflicts, protect troops, assess risks, and gain information about enemy operations directly. This the demand in the sector is rapidly growing and anticipating the growth of United States Geospatial Analytics Market in the forecast period.

Market Segments

The United States Geospatial Analytics market is segmented into component, deployment mode, type, application, end user industry, and region. Based on component, the market is segmented into solution and service. Based on deployment mode, the market is divided into on-premises and cloud. Based on type, the market is separated into surface & field analytics, network & location analytics, and geo-visualization. Based on application, the market is segmented into surveying, medicine & public safety, disaster risk reduction & management, climate change adaptation, and others. Based on end user industry, the market is fragmented into automotive, energy & utilities, BFSI, agriculture, defense & intelligence, government, healthcare, and others. The market analysis also studies the regional segmentation to devise regional market segmentation, divided among West, North-East, Mid-West, and South.

Market Players

Major market players of United States Geospatial Analytics Market are Alteryx Inc., Advent International Corporation, Trimble, Inc, MapLarge, Inc., L3 Harris Technologies, Inc., Bentley Systems, Inc., ESRI, Inc, General Electric Company, Oracle Corporation, Google LLC. achieving good market growth, businesses that are active in the market employ organic strategies such as product launches, mergers, and partnerships.

Report Scope:

In this report, United States Geospatial Analytics Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

United States Geospatial Analytics Market, By Component

Solution

Service

United States Geospatial Analytics Market, By Deployment Mode

    On-Premises

    Cloud

United States Geospatial Analytics Market, By Type

    Surface & Field Analytics

    Network & Location Analytics

    Geo-visualization

United States Geospatial Analytics Market, By Application

    Surveying

    Medicine & Public Safety

    Disaster Risk Reduction & Management

    Climate Change Adaptation

    Others

United States Geospatial Analytics Market, By End User Industry

    Automotive

    Energy & Utilities

    BFSI

    Agriculture

    Defense & Intelligence

    Government

Healthcare

Others

United States Geospatial Analytics Market, By Region:

West

North-East

Mid-West

South

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in United States Geospatial Analytics Market

Available Customizations:

United States Geospatial Analytics Market with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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