

# **Graphical Information Systems Market Size, Share, and Outlook, 2025 Report- By Function (Mapping, Surveying, Telematics and navigation, Location-based Services), By End-User (Agriculture, Oil & Gas, Architecture, Engineering, and Construction, Transportation, Utilities, Mining, Government, Healthcare, Retail, Others), By Offering (Hardware, Software, Services), 2018-2032**

<https://marketpublishers.com/r/GA18C049C933EN.html>

Date: April 2025

Pages: 182

Price: US\$ 3,680.00 (Single User License)

ID: GA18C049C933EN

## **Abstracts**

### **Graphical Information Systems Market Outlook**

The Graphical Information Systems Market size is expected to register a growth rate of 17.9% during the forecast period from \$13.24 Billion in 2025 to \$41.9 Billion in 2032.

The Graphical Information Systems market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Graphical Information Systems segments across 22 countries from 2021 to 2032.

Key segments in the report include By Function (Mapping, Surveying, Telematics and navigation, Location-based Services), By End-User (Agriculture, Oil & Gas, Architecture, Engineering, and Construction, Transportation, Utilities, Mining, Government, Healthcare, Retail, Others), By Offering (Hardware, Software, Services).

Over 70 tables and charts showcase findings from our latest survey report on Graphical Information Systems markets.

## Graphical Information Systems Market Insights, 2025

The Graphical Information Systems (GIS) Market is evolving with AI-powered automated geospatial data processing, automation-enhanced real-time mapping visualization, and machine learning-driven predictive spatial analytics. Companies such as Esri, Hexagon, Trimble, and Autodesk are leading in AI-enhanced automated remote sensing analysis, blockchain-backed secure geographic data management, and IoT-integrated real-time GIS monitoring. The demand for automation-powered AI-driven urban planning tools, AI-enhanced cloud-native real-time geospatial intelligence, and AI-driven real-time climate change impact assessment is transforming geospatial applications. However, challenges in AI-powered compliance with geospatial data privacy laws, cybersecurity risks in automation-enhanced GIS platforms, and technical limitations in AI-driven real-time high-resolution mapping persist. Additionally, federal funding for AI-powered GIS advancements, evolving trends in AI-driven geospatial AI (GeoAI), and corporate investment in AI-powered smart city GIS applications are shaping the market.

### Five Trends that will define global Graphical Information Systems market in 2025 and Beyond

A closer look at the multi-million market for Graphical Information Systems identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Graphical Information Systems companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Graphical Information Systems vendors.

What are the biggest opportunities for growth in the Graphical Information Systems industry?

The Graphical Information Systems sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

## Graphical Information Systems Market Segment Insights

The Graphical Information Systems industry presents strong offers across categories. The analytical report offers forecasts of Graphical Information Systems industry performance across segments and countries. Key segments in the industry include%li%By Function (Mapping, Surveying, Telematics and navigation, Location-based Services), By End-User (Agriculture, Oil & Gas, Architecture, Engineering, and Construction, Transportation, Utilities, Mining, Government, Healthcare, Retail, Others), By Offering (Hardware, Software, Services). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Graphical Information Systems market size outlook is provided for 22 countries across these regions.

## Market Value Chain

The chapter identifies potential companies and their operations across the global Graphical Information Systems industry ecosystem. It assists decision-makers in evaluating global Graphical Information Systems market fundamentals, market dynamics, and disruptive trends across the value chain segments.

## Scenario Analysis and Forecasts

Strategic decision-making in the Graphical Information Systems industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

## Asia Pacific Graphical Information Systems Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer

purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

### The State of Europe Graphical Information Systems Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Graphical Information Systems with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Graphical Information Systems market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Graphical Information Systems market Insights%li%Vendors are exploring new opportunities within the US Graphical Information Systems industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Graphical Information Systems companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Graphical Information Systems market.

Latin American Graphical Information Systems market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

## Middle East and Africa Graphical Information Systems Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Graphical Information Systems markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Graphical Information Systems markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

## Competitive Landscape%li%How Graphical Information Systems companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Autodesk Inc, Bentley Systems Inc, Caliper Corp, Computer-Aided Development Corp Ltd, Environmental Systems Research Institute Inc, Hexagon AB, Hi-Target Surveying Instrument Co. Ltd, Pitney Bowes Inc, SuperMap Software Co., Topcon Corp, Trimble Inc.

## Graphical Information Systems Market Segmentation

By Function

Mapping

Surveying

Telematics and navigation

Location-based Services

By End-User

Agriculture

Oil & Gas

Architecture, Engineering, and Construction

Transportation

Utilities

Mining

Government

Healthcare

Retail

Others

By Offering

Hardware

Software

Services

Leading Companies

Autodesk Inc

Bentley Systems Inc

Caliper Corp

Computer-Aided Development Corp Ltd

Environmental Systems Research Institute Inc

Hexagon AB

Hi-Target Surveying Instrument Co. Ltd

Pitney Bowes Inc

SuperMap Software Co.

Topcon Corp

Trimble Inc

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.



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##### **Mapping**

##### **Surveying**

##### **Telematics and navigation**

##### **Location-based Services**

##### **By End-User**

##### **Agriculture**

##### **Oil & Gas**

##### **Architecture, Engineering, and Construction**

##### **Transportation**

##### **Utilities**

##### **Mining**

##### **Government**

##### **Healthcare**

##### **Retail**

##### **Others**

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**Hexagon AB**

**Hi-Target Surveying Instrument Co. Ltd**

**Pitney Bowes Inc**

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