

The Global Mobile Mapping Market Is Projected to Grow at a 21% CAGR Throughout the Forecast Period

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/EINPresswire.com/ -- "The mobile mapping sector is a dynamic field shaped by a combination of global geospatial technology firms and specialized developers focusing on mobile mapping solutions. These

companies are enhancing LiDAR technology, ultra-high-resolution imaging, AI-driven data processing, and integrated navigation systems. Their goal is to provide extremely precise geospatial data characterized by real-time collection, automated workflows, and cloud GIS

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Expected to grow to \$138.17 billion in 2030 at a compound annual growth rate (CAGR) of 20.6%”

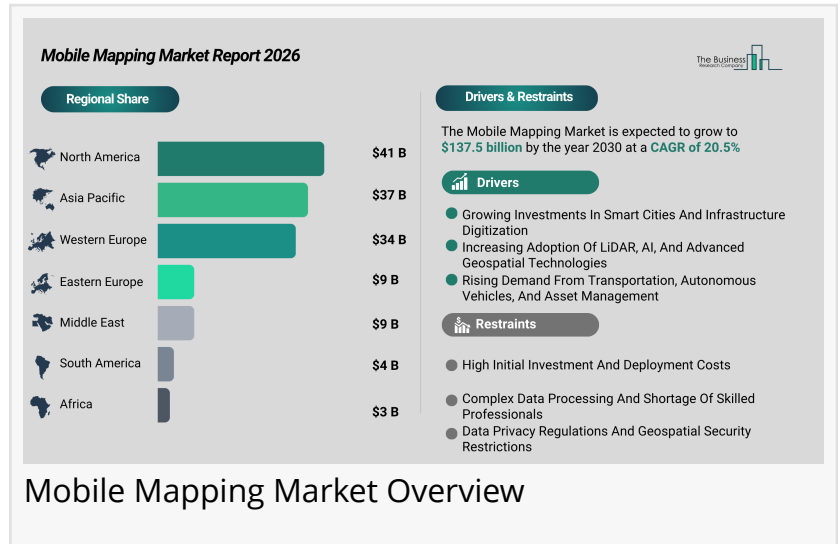
The Business Research Company

connectivity, which are critical competitive advantages. A clear grasp of this environment enables stakeholders to identify opportunities for growth, innovation, and collaboration within the advancing geospatial and digital mapping industry.

Projected Size and Growth Trajectory of the [Mobile Mapping Market](#) by 2030

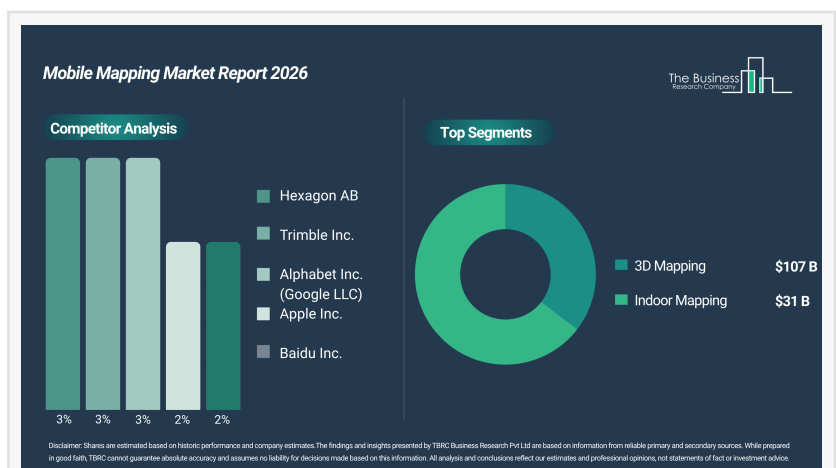
Forecasts indicate the mobile mapping market will surpass

\$138 billion by 2030. This segment forms part of the broader Digital Technology market, which is expected to hit around \$4,811 billion in the same year, with mobile mapping representing roughly 3% of this total. Within the larger Information Technology sector, projected to reach \$13,788 billion by 2030, mobile mapping accounts for nearly 1% of the overall value. The market is on track to grow at an impressive compound annual growth rate (CAGR) of 21% leading up to 2030.

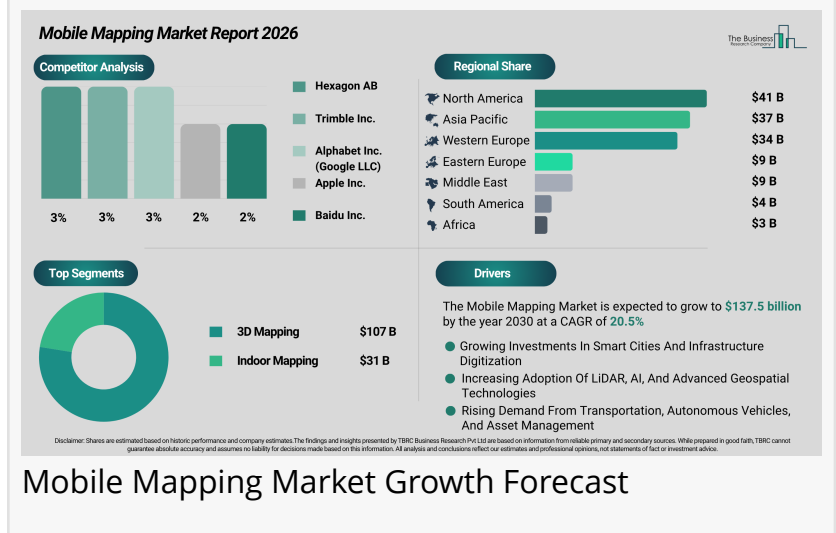


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Dominance of 3D Mapping within the Mobile Mapping Market
 When classified by type, mobile mapping splits into 3D mapping and indoor mapping, with 3D mapping forecasted to be the dominant segment by 2030. It is expected to make up 77% of the market, valued at \$107 billion. This segment's growth is driven by the need for detailed models of terrain and urban environments, LiDAR systems used extensively in engineering and construction, immersive geospatial visualization for planning and simulation, and high-resolution imagery that ensures spatial precision.



Mobile Mapping Market Size



Mobile Mapping Market Growth Forecast

Additional Segmentation in the Mobile Mapping Industry

The market is further broken down by components, which include hardware, software, and services. Applications span road surveys, topographic mapping, 3D modeling, asset management, and various other uses. Industry verticals served by mobile mapping technology cover sectors such as oil and gas, telecommunications, transportation and logistics, energy and utilities, among others.

Access The Detailed Mobile Mapping Market Report Here

https://thebusinessresearchcompany.com/report/mobile-mapping-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Oct_PR

Regional Market Outlook Highlights North America's Leading Position

North America is set to be the largest regional market for mobile mapping in 2030, valued at \$41 billion—up from \$19 billion in 2025—reflecting a CAGR of 17%. This rapid expansion is fueled by the growing use of geospatial intelligence for infrastructure modernization, smart city initiatives, demand for highly accurate spatial data across government and private sectors, and the

increased deployment of sensor-equipped platforms for large-scale data capture.

The United States as the Foremost Country Market

By 2030, the USA is projected to dominate the mobile mapping market, reaching a value of \$38 billion compared to \$17 billion in 2025. This represents an 18% CAGR, supported by advancements in digital mapping for autonomous vehicles, expansive national geospatial data programs, ongoing demand for real-time location intelligence in infrastructure planning, and AI-enhanced mapping processes that improve accuracy and efficiency.

Market Leadership and Company Profiles in Mobile Mapping

Hexagon AB stands out as the top player globally by sales in 2025, capturing a 3% share of the market. Its geosystems division focuses directly on mobile mapping, offering a suite of products including mobile mapping platforms, LiDAR sensors, high-resolution imaging components, positioning technologies, and geospatial processing software tailored for infrastructure mapping, transport planning, urban development, and asset management.

Market Concentration and Competitive Landscape

The mobile mapping market is moderately fragmented, with the top 10 companies collectively holding 18% of total revenue in 2025. The industry faces moderate technological and market entry barriers due to the necessity for precise data capture, advanced LiDAR and imaging technology, integrated navigation, and dependable, scalable solutions. Leading firms maintain their positions through diverse mapping portfolios, government and enterprise partnerships, global distribution networks, and continuous innovations in LiDAR, imaging, positioning, and data processing. As demand escalates for accurate geospatial intelligence, real-time mapping capabilities, and digital infrastructure management, further collaborations, product launches, and market expansions are expected.

Top Companies and Their Market Shares in 2025

The following companies lead the mobile mapping market by revenue share in 2025:

- Hexagon AB: 3%
- Trimble Inc.: 3%
- Alphabet Inc. (Google LLC): 3%
- Apple Inc.: 2%
- Baidu Inc.: 2%
- HERE Technologies: 2%
- Topcon Positioning Systems Inc.: 1%
- TomTom NV: 1%
- Esri Inc.: 1%
- IGI GmbH: 1%

Major Factors Propelling the Mobile Mapping Market Growth

Three primary drivers are fueling the mobile mapping market's rapid expansion through 2030. First, increased investments in smart cities and infrastructure digitization are encouraging

governments and private enterprises to utilize mobile mapping for collecting high-resolution geospatial data. This supports activities such as road planning, utility management, transport upgrades, and digital twin creation, making surveys more efficient, safer, and cost-effective while enabling real-time infrastructure oversight and long-term urban strategies. This factor contributes about 2.1% annually to market growth.

Boosting the market further is the growing adoption of LiDAR, AI, and other advanced geospatial technologies. Cutting-edge sensors, artificial intelligence, cloud platforms, and automated data processing enable organizations to generate highly accurate spatial data swiftly and at scale. Continuous improvements are expanding mobile mapping applications into industries like construction, utilities, mining, forestry, telecommunications, and environmental monitoring. This trend accounts for approximately 1.8% annual growth.

A third key influence is the rising demand from transportation sectors, autonomous vehicle development, and asset management. These industries require constantly updated, high-precision three-dimensional maps for navigation, asset inspection, predictive maintenance, and strategic planning. Enhanced spatial intelligence improves safety, asset oversight, and supports the evolution of next-generation mobility systems. This driver adds around 1.6% annually to market growth.

Current Trends Shaping the Mobile Mapping Industry

The mobile mapping market is being transformed by integrated systems that enhance geospatial accuracy, increase survey efficiency, and enable detailed three-dimensional mapping. A notable example is Mosaic's June 2024 launch of Meridian, an advanced mobile mapping solution combining Inertial Labs INS with LiDAR technology. This system integrates synchronized camera modules, 74-megapixel resolution, 13.5K panoramic imaging, and precision INS to provide reliable data capture, improved productivity, and accurate mapping even in challenging environments.

Strategic Focus Areas for Mobile Mapping Companies

Leading market players are prioritizing the development of integrated mobile mapping technologies to raise the precision and capabilities of their offerings. They are leveraging cutting-edge LiDAR and navigation systems to enhance data collection accuracy. Expanding mobile mapping's application scope to support infrastructure development and urban planning is another major goal. Additionally, incorporating AI technology to improve data processing and spatial analysis is central to their strategic plans.

Areas Offering the Most Promising Growth Potential

The segments of 3D mapping and indoor mapping are expected to deliver the most substantial growth opportunities, anticipated to add over \$83 billion in value by 2030. Of this, 3D mapping will contribute about \$64 billion, while indoor mapping grows by approximately \$19 billion between 2025 and 2030. Growth drivers include digital twin platforms, high-definition maps for autonomous vehicles, cloud-based geospatial data management, and real-time spatial analytics

aimed at infrastructure and facility management.

Key Players Defining the Mobile Mapping Ecosystem

Prominent companies in the mobile mapping arena include Hexagon AB, Trimble Inc., Alphabet Inc. (Google LLC), Apple Inc., Baidu Inc., HERE Technologies, Topcon Positioning Systems Inc., TomTom NV, Esri Inc., IGI GmbH, Pasco Corporation, Teledyne Optech, Cyclomedia Technology BV, Fugro, The Sanborn Map Company Inc., Huron Geomatics Inc., Mapbox, Javad GNSS Inc., Imaging SAS, FARO Technologies Inc., and RIEG.

Overview of the Mobile Mapping Market Ecosystem Participants

Raw material and technology providers include Hexagon AB, Trimble Inc., Topcon Corporation, Leica Geosystems AG, Teledyne Technologies Incorporated, RIEGL Laser Measurement Systems GmbH, FARO Technologies, Velodyne Lidar, Luminar Technologies, Ouster, Hesai Technology, SICK AG, Garmin Ltd., NovAtel Inc., u-blox AG, Septentrio NV, Sony Semiconductor Solutions Corporation, NVIDIA Corporation, Intel Corporation, Qualcomm Incorporated, Texas Instruments Incorporated, Analog Devices, Bosch Sensortec GmbH, STMicroelectronics N.V., and Renishaw plc.

Wholesalers and distributors active in this space are Digi-Key Electronics, Mouser Electronics, Arrow Electronics, Avnet, RS Group plc, Newark Electronics, TTI, Allied Electronics & Automation, Macnica, Richardson Electronics, Rutronik Elektronische Bauelemente GmbH, Farnell Global, element14, WPG Holdings, Rutronik India, Ingram Micro, ScanSource, Bechtle AG, CDW Corporation, Insight Enterprises, Redington Limited, Exclusive Networks SA, and Mindware FZ LLC.

End users of mobile mapping solutions span several major organizations such as Google LLC, Apple Inc., Microsoft Corporation, Amazon Web Services, Esri, Bentley Systems, Autodesk, AECOM, Jacobs Solutions, WSP Global, Tetra Tech, Fugro, Kokusai Kogyo, Cyient Limited, HERE Technologies, TomTom NV, Planet Labs, Maxar Intelligence, Nearmap Ltd., DroneDeploy, Pix4D SA, Mapillary AB, Yuneec International, DJI Technology, National Geographic Society, and the United States Geological Survey.

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