

Land Survey Equipment Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

<https://marketpublishers.com/r/L210DB93AFDDEN.html>

Date: October 2024

Pages: 180

Price: US\$ 4,850.00 (Single User License)

ID: L210DB93AFDDEN

Abstracts

The Global Land Survey Equipment Market was valued at USD 8.4 billion in 2023 and is forecasted to grow at a CAGR of 5.8% from 2024 to 2032. This growth is largely driven by rapid urbanization, especially in emerging economies, which has led to a heightened demand for effective land surveying tools. As urban areas expand and new infrastructure initiatives take shape, accurate land mapping and measurement become increasingly essential for planning critical elements like roads, buildings, utilities, and public spaces. Moreover, the persistent global demand for natural resources fuels exploration activities in industries such as oil, gas, and mining. These sectors rely heavily on precise land surveys for various purposes, including site selection, environmental impact assessments, and operational planning.

Survey equipment plays a vital role in identifying potential extraction sites, planning necessary infrastructure, and monitoring land changes throughout the extraction process. The need for specialized, highly accurate survey equipment grows as exploration ventures into more challenging terrains and offshore locations. When looking at specific products, the total stations segment captured over 35% of the market share in 2023 and is projected to surpass USD 4.5 billion by 2032. The increasing adoption of total stations in precision agriculture significantly contributes to this growth. Farmers and agricultural consultants are utilizing these advanced instruments for tasks such as land leveling, irrigation design, and crop mapping.

By producing accurate topographic maps, total stations help optimize water management and boost crop yields. As the agricultural sector embraces technology to improve efficiency and sustainability, the demand for total stations is set to rise, creating new opportunities for manufacturers and distributors. In terms of survey methods,

ground-based surveys are anticipated to exceed USD 9 billion by 2032. These surveys are fundamental for exploration, planning, and operations within the mining and natural resources sectors. They play a crucial role in identifying potential resource deposits, formulating extraction strategies, and ensuring safe and efficient mining practices.

With the global appetite for minerals and energy resources increasing, companies are investing in sophisticated survey equipment to improve exploration success rates and optimize resource extraction. Additionally, ground-based surveys are critical for mine reclamation and ensuring compliance with environmental regulations. The U.S. market holds a dominant share, accounting for 80% of the land survey equipment market in 2023. The rise of LiDAR (Light Detection and Ranging) technology is reshaping the landscape of land surveying, enabling rapid and accurate 3D data capture over extensive areas. This technology significantly enhances mapping precision for terrains, buildings, and infrastructure, with key applications spanning urban planning, forestry management, and flood risk assessment. As LiDAR technology becomes more affordable and accessible, its adoption is expected to expand across both public and private sectors in the U.S.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Research design
 - 1.1.1 Research approach
 - 1.1.2 Data collection methods
- 1.2 Base estimates and calculations
 - 1.2.1 Base year calculation
 - 1.2.2 Key trends for market estimates
- 1.3 Forecast model
- 1.4 Primary research & validation
 - 1.4.1 Primary sources
 - 1.4.2 Data mining sources
- 1.5 Market definitions

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis, 2021 - 2032

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Supplier landscape
 - 3.2.1 Electronic component suppliers
 - 3.2.2 Equipment manufacturers
 - 3.2.3 Service providers
 - 3.2.4 System integrators
 - 3.2.5 End users
- 3.3 Profit margin analysis
- 3.4 Technology differentiators
 - 3.4.1 LiDAR (Light Detection and Ranging) integration
 - 3.4.2 High-resolution imaging
 - 3.4.3 Robotic total stations
 - 3.4.4 Cloud-based data processing
 - 3.4.5 Others
- 3.5 Key news & initiatives

- 3.6 Case study
- 3.7 Regulatory landscape
- 3.8 Impact forces
 - 3.8.1 Growth drivers
 - 3.8.1.1 Integration of advanced technologies in land surveying
 - 3.8.1.2 Growing focus on vehicle weight reduction
 - 3.8.1.3 Rising exploration activities in the oil & gas sector
 - 3.8.1.4 Growing adoption of precision agriculture techniques
 - 3.8.2 Industry pitfalls & challenges
 - 3.8.2.1 Data integration and management
 - 3.8.2.2 Variable regulatory compliances across different regions
- 3.9 Growth potential analysis
- 3.10 Porter's analysis
- 3.11 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2023

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

CHAPTER 5 MARKET ESTIMATES & FORECAST, BY PRODUCT, 2021 - 2032 (\$BN, UNITS)

- 5.1 Key trends
- 5.2 Total stations
- 5.3 GPS/GNSS systems
- 5.4 Laser scanners
- 5.5 Levels
- 5.6 Unmanned Aerial Vehicles (UAV)/Drones
- 5.7 Others

CHAPTER 6 MARKET ESTIMATES & FORECAST, BY SURVEY METHOD, 2021 - 2032 (\$BN, UNITS)

- 6.1 Key trends
- 6.2 Ground-based surveys
- 6.3 Laser surveys

CHAPTER 7 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021 - 2032 (\$BN, UNITS)

- 7.1 Key trends
- 7.2 Inspection
- 7.3 Monitoring
- 7.4 Mapping
- 7.5 Engineering & design
- 7.6 Others

CHAPTER 8 MARKET ESTIMATES & FORECAST, BY END USE, 2021 - 2032 (\$BN, UNITS)

- 8.1 Key trends
- 8.2 Construction
- 8.3 Oil & gas
- 8.4 Mining
- 8.5 Utilities
- 8.6 Agriculture
- 8.7 Defense & security
- 8.8 Others

CHAPTER 9 MARKET ESTIMATES & FORECAST, BY REGION, 2021 - 2032 (\$BN, UNITS)

- 9.1 Key trends
- 9.2 North America
 - 9.2.1 U.S.
 - 9.2.2 Canada
- 9.3 Europe
 - 9.3.1 UK
 - 9.3.2 Germany
 - 9.3.3 France
 - 9.3.4 Spain
 - 9.3.5 Italy
 - 9.3.6 Russia
 - 9.3.7 Nordics
- 9.4 Asia Pacific

- 9.4.1 China
- 9.4.2 India
- 9.4.3 Japan
- 9.4.4 South Korea
- 9.4.5 ANZ
- 9.4.6 Southeast Asia
- 9.5 Latin America
 - 9.5.1 Brazil
 - 9.5.2 Mexico
 - 9.5.3 Argentina
- 9.6 MEA
 - 9.6.1 UAE
 - 9.6.2 South Africa
 - 9.6.3 Saudi Arabia

CHAPTER 10 COMPANY PROFILES

- 10.1 Aptella
- 10.2 Baseline Equipment Company
- 10.3 Bosch Tools
- 10.4 DeepWell
- 10.5 Emlid Tech
- 10.6 FARO
- 10.7 GeoTech
- 10.8 Guangdong KOLIDA Instrument
- 10.9 Hexagon
- 10.10 Hi-Target
- 10.11 Juniper Systems
- 10.12 Seiler Instrument Company
- 10.13 Shanghai Huace Navigation Technology
- 10.14 South Surveying & Mapping Technology Company
- 10.15 Spectra Geospatial
- 10.16 Stonex
- 10.17 Suparule Systems
- 10.18 Teledyne
- 10.19 Topcon
- 10.20 Trimble

I would like to order

Product name: Land Survey Equipment Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

Product link: <https://marketpublishers.com/r/L210DB93AFDDEN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/L210DB93AFDDEN.html>