

# Global Ground-based LiDAR Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Ground-based LiDAR market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

Ground-based lidar can obtain 3D point cloud information in forest areas, and use point cloud information to extract the position and height of individual trees. It not only saves manpower and material resources, but also improves the accuracy of extraction, which has advantages that other remote sensing methods cannot match.

The Global Info Research report includes an overview of the development of the Ground-based LiDAR industry chain, the market status of Forestry (Continuous LiDAR, Pulse LiDAR), Transportation (Continuous LiDAR, Pulse LiDAR), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Ground-based LiDAR.

Regionally, the report analyzes the Ground-based LiDAR markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Ground-based LiDAR market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Ground-based LiDAR market. It provides a holistic view of the industry, as well as detailed insights into individual

components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Ground-based LiDAR industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Continuous LiDAR, Pulse LiDAR).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Ground-based LiDAR market.

**Regional Analysis:** The report involves examining the Ground-based LiDAR market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Ground-based LiDAR market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Ground-based LiDAR:

**Company Analysis:** Report covers individual Ground-based LiDAR manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Ground-based LiDAR This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Forestry, Transportation).

**Technology Analysis:** Report covers specific technologies relevant to Ground-based LiDAR. It assesses the current state, advancements, and potential future developments in Ground-based LiDAR areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Ground-based LiDAR market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

### Market Segmentation

Ground-based LiDAR market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

#### Market segment by Type

Continuous LiDAR

Pulse LiDAR

#### Market segment by Application

Forestry

Transportation

Water Conservancy Field

Energy

Mining

Other

#### Major players covered

Hexagon Geosystems

Trimble

Zoller + Frohlich

Teledyne Optech

Riegl

Faro Technologies

Topcon

Maptek

Merrett Survey

Artec 3D

Clauss

Surphaser

Nanjing Movelaser

ATOM

SVOLT Energy Technology

Jinzhou Sunshine Meteorological Technology

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Ground-based LiDAR product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ground-based LiDAR, with price, sales, revenue and global market share of Ground-based LiDAR from 2018 to 2023.

Chapter 3, the Ground-based LiDAR competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ground-based LiDAR breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Ground-based LiDAR market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Ground-based LiDAR.

Chapter 14 and 15, to describe Ground-based LiDAR sales channel, distributors, customers, research findings and conclusion.

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