

# **Global LiDAR Market Size study, By Product Type (Terrestrial, Aerial, Mobile, Short Range), By Component (LASER, Inertial, Camera, GPS GNSS, Micro-electro mechanical system (MEMS)), By Application (Corridor Mapping, Seismology, Exploration & Detection, Others), By End User (Defense & Aerospace, Civil Engineering, Archaeology, Forestry & Agriculture, Mining, Transportation), and Regional Forecasts 2022-2028**

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## **Abstracts**

Global LiDAR Market is valued approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028.

The term LiDAR refers to a “Light Detection and Ranging” system. It facilitates the detection, analysis, and mapping of objects easier than conventional methods. This system offers highly precise 3D images and data in a shorter time and enhances the automated processing ability of LiDAR systems. LiDAR is gaining huge traction across various end-use industries owing to its characteristics of improving image resolution and automated processing. The growing adoption of LiDAR systems in the unmanned aerial vehicle (UAV), engineering and construction applications, emergence of 4D LiDAR, and increasing use of LiDAR in geographical information system (GIS) applications are bolstering the global market growth. For instance, in February 2021, Leica Geosystems AG declares the launch of its Leica RTC360 3D laser scanner that needs minimal monitoring by the user, and also facilitates better scanning competence, productivity,

and scalability when planning reality capture tasks. Accordingly, the introduction of technologically advanced products is further fueling the demand for LiDAR, thus, in turn, augments the market growth across the globe. However, safety threats related to UAVs and autonomous cars and high cost of LiDAR services, and the limited availability of geospatial data impedes the growth of the market over the forecast period of 2022-2028. Also, increasing investments in LiDAR startups by automotive giants and rising adoption of solid-state, MEMS, flash LiDAR, and other LiDAR technologies is anticipated to act as a catalyzing factor for the market demand during the forecast period.

The key regions considered for the global LiDAR market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the high adoption rate of LiDAR, rising investments in R&D activities, and presence of the leading market players. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as increasing investments in ADAS and driverless cars, as well as growing responsiveness for the LiDAR systems, would create lucrative growth prospects for the LiDAR market across the Asia-Pacific region.

Major market players included in this report are:

Leica Geosystems AG

Trimble, Inc.

Teledyne Optech

FARO Technologies, Inc.

RIEGL Laser Measurement Systems GmbH

Mira Solutions, Inc

Airborne Hydrography AB

Leosphere SAS

Velodyne Lidar

Firmatek, LLC

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key

players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Terrestrial

Aerial

Mobile

Short Range

By Component:

LASER

Inertial

Camera

GPS GNSS

Micro-electro mechanical system (MEMS)

By Application:

Corridor Mapping

Seismology

Exploration & Detection

Others

By End User:

Defense & Aerospace

Civil Engineering

Archaeology

Forestry & Agriculture

Mining

Transportation

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global LiDAR Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

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