

# Global LiDAR Market: Size, Trend, Share, Opportunity Analysis & Forecast, 2014-2025

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## Abstracts

Light detection and ranging (LiDAR) devices are used for capturing high-resolution 3D or 2D data of geospatial surfaces. The technology is similar to RADAR, however scores high over RADAR in terms of accuracy and speed. The innovations in the laser technology help to bring price corrections in LiDAR products. Simultaneously, the changing demands and preferences of the urban population unveil newer LiDAR applications apart from conventional military applications. The sophistication of 3D imaging technology leads to increased corridor mapping activities by the LiDAR. The market is expected to experience continued dominance from defense and corridor mapping applications. LiDAR Market is expected to grow at a prominent CAGR of 18.5% during the forecast period.

The global LiDAR market is segmented based on type of LiDAR systems, components used, their application, end user sectors, and geography. Static or terrestrial, aerial, mobile, and short range are the various types of LiDAR systems elaborated in the report. The components of LiDAR systems discussed are laser scanner, inertial navigation system, camera, GPS receiver, and micro-electro-mechanical system. The report also includes corridor mapping, seismology, and exploration and detection purpose as some of the major application of LiDAR systems. End-user segment consists of LiDAR systems used across various industry verticals such as defense and aerospace, civil engineering, archaeology, forestry and agriculture, mining industry, and transportation. A study with respect to regions is conducted to perform in-depth analysis of LiDAR technology across various geographies. The regions examined are North America, Europe, Asia-Pacific, and LAMEA.

## MARKET DYNAMICS:

**Drivers:**

Automated processing in LiDAR Systems

Better performance than other technologies

Rising demand for 3D imaging

Rise in demand of aerial LiDAR

**Restraints:**

High cost of LiDAR instruments

Lack of awareness

**MARKET PLAYERS:**

The top players in the global LiDAR market include Airborne Hydrography AB, Leosphere SaS, Faro Technologies Inc., Leica Geosystems Inc. (Hexagon), 3D Laser Mapping Inc., Firmatek LLC, RIEGL Laser Measurement Systems GmbH, Aerometric Inc., Mira Solutions Inc., Optech Inc. (Teledyne Technologies), and Quanergy Systems, Inc.

**KEY TAKEAWAYS****MARKET LANDSCAPE**

By Product Type

Terrestrial/Static

Aerial

Mobile

Short-Range

By Application

Corridor Mapping

Seismology

Exploration and Detection

Others

By Components

Laser

Inertial Navigation System

Camera

GPS/GNSS Receiver

Micro Electro Mechanical System (MEMS)

By End-User

Defense and Aerospace

Civil Engineering

Archaeology

Forestry and Agriculture

Mining Industry

Transportation

By Geography

**North America**

U.S.

Canada

Mexico

**Europe**

UK

Germany

France

Spain

Italy

Rest of Europe

**Asia-Pacific**

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

**LAMEA**

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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