

GLOBAL LiDAR TECHNOLOGY MARKET FORECAST 2018-2026

<https://marketpublishers.com/r/GE9327B7E76EN.html>

Date: February 2018

Pages: 134

Price: US\$ 2,500.00 (Single User License)

ID: GE9327B7E76EN

Abstracts

KEY FINDINGS

The use of LiDAR (Light Detection and Ranging) technology market is estimated to grow owing to the growing adoption of aerial LiDAR systems. Over the forecast years of 2018-2026, the Global LiDAR technology market is estimated to grow at a CAGR of 22.93%.

The global LiDAR technology market is segmented on the basis of its application, products, components, and services. The application segment of the market includes coastal, transportation, forestry, infrastructure, defence and aerospace, transmission lines, flood mapping, exploration, driverless cars, amongst others. The product segment of the market includes aerial lidar, bathymetric lidar, topography lidar, ground-based lidar, mobile lidar, and UAV lidar. The component segment of the market includes lasers, micro-electric mechanical systems, GPS/GNSS receiver, internal navigation and other components. The service segment of the market includes GIS services, ground-based surveying, mapping and modelling, asset management and other services.

REGIONAL INSIGHTS

The regional segmentation of the market is done in North America, Europe, Asia-Pacific and rest of the world. The North American Market is expected to represent the largest regional market for LiDAR in 2026 owing to the major use of LiDAR devices by the government. The Asia Pacific Region is predicted to grow over the forecast period, supported by the increase in technological developments.

COMPETITIVE INSIGHTS

Autonomoustuff, Blowm, Faro Technologies, Geodigital, Geono India Pvt. Ltd., Leica Geosystems, Michael Baker International, Mira Solutions, Quanum Spatial, RIEGL, SICK, Teledyne Optech, Topcon Positioning Systems Inc., Trimble, Velodyne LiDAR, and Quanergy Systems Inc are some of the noted market players in the global LiDAR technology market.

Contents

1. RESEARCH SCOPE

- 1.1. STUDY GOALS
- 1.2. SCOPE OF THE MARKET STUDY
- 1.3. WHO WILL FIND THIS REPORT USEFUL?
- 1.4. STUDY AND FORECASTING YEARS

2. RESEARCH METHODOLOGY

- 2.1. SOURCES OF DATA
- 2.2. SECONDARY DATA
- 2.3. PRIMARY DATA
- 2.4. TOP DOWN APPROACH
- 2.5. BOTTOM-UP APPROACH
- 2.6. DATA TRIANGULATION
- 2.7. ESTIMATION METHODOLOGY

3. EXECUTIVE SUMMARY

- 3.1. MARKET SUMMARY
- 3.2. KEY FINDINGS
 - 3.2.1. AERIAL LIDAR TECHNOLOGY DOMINATED THE MARKET
 - 3.2.2. NORTH AMERICA CAPTURED LARGEST CHUNK OF THE MARKET
 - 3.2.3. GROWING OPPORTUNITIES IN ASIA PACIFIC REGION

4. MARKET OVERVIEW

- 4.1. MARKET DEFINITION
- 4.2. DRIVERS
 - 4.2.1. RISING USE OF DRONE IN MANY APPLICATIONS
 - 4.2.2. AUTOMATION IN LIDAR SYSTEMS
 - 4.2.3. RISING USE OF LIDAR IN ENGINEERING PROJECTS
 - 4.2.4. DEMAND FOR STRONGER SECURITY AND SENSOR ACCURACY
 - 4.2.5. GOVERNMENT SUPPORT FOR THE ADOPTION OF LIDAR TECHNOLOGY
 - 4.2.6. LIDAR AIDED 3D TECHNOLOGY TRANSFORMING IMAGING
- 4.3. RESTRAINTS
 - 4.3.1. COST AND SIZE OF LIDAR SENSORS

4.3.2. LACK OF AWARENESS ABOUT LIDAR

4.4. OPPORTUNITIES

4.4.1. INCREASE IN USE OF AERIAL SYSTEMS

4.4.2. SELF DRIVING CARS TO TAKE THE ROAD TO LIDAR

4.4.3. SECURITY AND CRIME PREVENTION INDUSTRIES INCREASINGLY USING LIDAR

4.5. CHALLENGES

4.5.1. RELIABILITY ISSUES IN AIRBORNE LIDAR

4.5.2. REGULATORY AND ENVIRONMENTAL ISSUES

5. MARKET BY APPLICATION

5.1. COASTAL

5.2. TRANSPORTATION

5.3. FORESTRY

5.4. INFRASTRUCTURE

5.5. DEFENSE AND AEROSPACE

5.6. TRANSMISSION LINES

5.7. FLOOD MAPPING

5.8. EXPLORATION (OIL AND GAS, MINING AND HYDROGRAPHY)

5.9. DRIVERLESS CARS AND ADAS

6. MARKET BY PRODUCTS

6.1. AERIAL LIDAR

6.1.1. BATHYMETRIC LIDAR

6.1.2. TOPOGRAPHY LIDAR

6.2. GROUND BASED LIDAR

6.3. MOBILE LIDAR

6.4. UAV LIDAR

7. MARKET BY COMPONENTS AND SERVICES

7.1. MARKET BY COMPONENTS

7.1.1. LASERS

7.1.2. MICRO-ELECTRO MECHANICAL SYSTEMS (MEMS)

7.1.3. GPS/GNSS RECEIVER

7.1.4. INERTIAL NAVIGATION

7.1.5. OTHER COMPONENTS

7.2. MARKET BY SERVICES

- 7.2.1. GIS SERVICES
- 7.2.2. GROUND BASED SURVEYING
- 7.2.3. MAPPING AND MODELING
- 7.2.4. ASSET MANAGEMENT
- 7.2.5. OTHER SERVICES

8. KEY ANALYTICS

8.1. TECHNOLOGY AND MARKET INSIGHTS

8.2. INDUSTRY STRUCTURE

- 8.2.1. SUPPLIERS – MANUFACTURERS
- 8.2.2. MANUFACTURERS – END USER

8.3. REGULATORY FRAMEWORK

8.4. OPPORTUNITY MATRIX

8.5. TREND ANALYSIS

- 8.5.1. RISING ADOPTION OF LASERS
- 8.5.2. SENSORS ENSURING ACCURACY OF THE LIDAR SYSTEMS
- 8.5.3. RESEARCH AND DEVELOPMENT SPENDING IN LIDAR

8.6. PORTERS 5 FORCE ANALYSIS

- 8.6.1. THREAT OF NEW ENTRANTS
- 8.6.2. THREAT OF SUBSTITUTE PRODUCTS
- 8.6.3. BARGAINING POWER OF BUYERS
- 8.6.4. BARGAINING POWER OF SUPPLIERS
- 8.6.5. INTENSITY OF COMPETITIVE RIVALRY

8.7. COST OF TECHNOLOGY ADOPTION

8.8. KEY BUYING CRITERIA

- 8.8.1. DATA RELIABILITY
- 8.8.2. RANGE AND SPEED
- 8.8.3. END USER APPLICATION
- 8.8.4. BETTER IMAGERY

8.9. TECHNOLOGICAL GAP ANALYSIS

8.10. VENDOR LANDSCAPE

8.11. INVESTMENT OUTLOOK

- 8.11.1. REGIONAL OUTLOOK
- 8.11.2. APPLICATIONS OUTLOOK

9. GEOGRAPHICAL ANALYSIS

9.1. NORTH AMERICA

9.1.1. US

9.1.2. CANADA

9.2. EUROPE

9.2.1. UK

9.2.2. FRANCE

9.2.3. GERMANY

9.2.4. SPAIN

9.2.5. ITALY

9.2.6. REST OF THE EUROPE

9.3. ASIA PACIFIC

9.3.1. CHINA

9.3.2. INDIA

9.3.3. JAPAN

9.3.4. SOUTH KOREA

9.3.5. AUSTRALIA

9.3.6. REST OF ASIA PACIFIC

9.4. REST OF THE WORLD

9.4.1. LATIN AMERICA

9.4.2. MIDDLE EAST AND AFRICA

10. COMPETITIVE LANDSCAPE

10.1. COMPETITIVE STRATEGIES

10.1.1. PRIMARY STRATEGY: PRODUCT LAUNCH

10.1.2. SECONDARY STRATEGY: ACQUISITION

10.1.3. TERTIARY STRATEGY: PARTNERSHIP

10.2. COMPANY PROFILES

10.2.1. AUTONOMOUSTUFF

10.2.2. BLOM

10.2.3. FARO TECHNOLOGIES

10.2.4. GEODIGITAL

10.2.5. GEOKNO INDIA PVT. LTD.

10.2.6. LEICA GEOSYSTEMS

10.2.7. MICHAEL BAKER INTERNATIONAL

10.2.8. MIRA SOLUTIONS

10.2.9. QUANTUM SPATIAL

10.2.10. RIEGL

10.2.11. SICK

- 10.2.12. TELEDYNE OPTECH
- 10.2.13. TOPCON POSITIONING SYSTEMS INC
- 10.2.14. TRIMBLE
- 10.2.15. VELODYNE LIDAR
- 10.2.16. QUANERGY SYSTEMS INC.

List Of Tables

LIST OF TABLES

TABLE 1 GLOBAL LIDAR TECHNOLOGY MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 2 LOCAL AND STATE GOVERNMENTS USE OF LIDAR DATA

TABLE 3 REGULATIONS IN DIFFERENT COUNTRIES

TABLE 4 GLOBAL LIDAR TECHNOLOGY MARKET BY APPLICATION 2018-2026 (\$ MILLION)

TABLE 5 GLOBAL COASTAL APPLICATION MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 6 GLOBAL TRANSPORTATION APPLICATION MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 7 GLOBAL FORESTRY APPLICATION MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 8 GLOBAL INFRASTRUCTURE APPLICATION MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 9 GLOBAL DEFENSE AND AEROSPACE APPLICATION MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 10 GLOBAL TRANSMISSION LINES APPLICATION MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 11 GLOBAL FLOOD MAPPING APPLICATION MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 12 GLOBAL EXPLORATION APPLICATION MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 13 GLOBAL DRIVERLESS CARS AND ADAS APPLICATION MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 14 GLOBAL LIDAR TECHNOLOGY MARKET BY PRODUCTS 2018-2026 (\$ MILLION)

TABLE 15 GLOBAL AERIAL LIDAR MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 16 GLOBAL GROUND-BASED LIDAR MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 17 GLOBAL MOBILE LIDAR MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 18 GLOBAL UAV LIDAR MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 19 GLOBAL LIDAR TECHNOLOGY MARKET BY COMPONENTS 2018-2026 (\$ MILLION)

TABLE 20 GLOBAL LASERS MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 21 GLOBAL MICRO-ELECTRO-MECHANICAL SYSTEMS BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 22 GLOBAL GPS/GNSS RECEIVER BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 23 GLOBAL INERTIAL NAVIGATION SYSTEM BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 24 GLOBAL OTHER COMPONENTS MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 25 GLOBAL LIDAR TECHNOLOGY MARKET BY SERVICES 2018-2026 (\$ MILLION)

TABLE 26 GLOBAL GIS SERVICES MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 27 GLOBAL GROUND-BASED SURVEYING MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 28 GLOBAL MAPPING AND MODELING BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 29 GLOBAL ASSET MANAGEMENT BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 30 GLOBAL OTHER SERVICES MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 31 REGULATORY FRAMEWORK

TABLE 32 PRICE RANGE OF LASERS

TABLE 33 PRICE OF LIDAR SYSTEMS

TABLE 34 GLOBAL LIDAR TECHNOLOGY MARKET BY GEOGRAPHY 2018-2026 (\$ MILLION)

TABLE 35 NORTH AMERICA LIDAR TECHNOLOGY MARKET BY COUNTRY 2018-2026 (\$ MILLION)

TABLE 36 EUROPE LIDAR TECHNOLOGY MARKET BY COUNTRY 2018-2026 (\$ MILLION)

TABLE 37 ASIA PACIFIC LIDAR TECHNOLOGY MARKET BY COUNTRY 2018-2026 (\$ MILLION)

TABLE 38 REST OF THE WORLD LIDAR TECHNOLOGY MARKET BY COUNTRY 2018-2026 (\$ MILLION)

List Of Figures

LIST OF FIGURES

FIGURE 1 GLOBAL LIDAR TECHNOLOGY MARKET BY APPLICATION 2018-2026 (\$ MILLION)

FIGURE 2 PROJECTED GLOBAL UAV MARKET IN 2020, BY AREA OF APPLICATION (\$ BILLION)

FIGURE 3 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON COASTAL APPLICATION 2018-2026 (\$ MILLION)

FIGURE 4 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON TRANSPORTATION APPLICATION 2018-2026 (\$ MILLION)

FIGURE 5 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON FORESTRY APPLICATION 2018-2026 (\$ MILLION)

FIGURE 6 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON INFRASTRUCTURE APPLICATION 2018-2026 (\$ MILLION)

FIGURE 7 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON DEFENSE AND AEROSPACE APPLICATION 2018-2026 (\$ MILLION)

FIGURE 8 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON TRANSMISSION LINES APPLICATION 2018-2026 (\$ MILLION)

FIGURE 9 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON FLOOD MAPPING APPLICATION 2018-2026 (\$ MILLION)

FIGURE 10 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON EXPLORATION APPLICATION 2018-2026 (\$ MILLION)

FIGURE 11 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON DRIVERLESS CARS AND ADAS APPLICATION 2018-2026 (\$ MILLION)

FIGURE 12 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON AERIAL LIDAR 2018-2026 (\$ MILLION)

FIGURE 13 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON GROUND-BASED LIDAR 2018-2026 (\$ MILLION)

FIGURE 14 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON MOBILE LIDAR 2018-2026 (\$ MILLION)

FIGURE 15 GLOBAL LIDAR TECHNOLOGY MARKET BASED ON UAV LIDAR 2018-2026 (\$ MILLION)

FIGURE 17 GLOBAL LIDAR TECHNOLOGY MARKET BY LASERS 2018-2026 (\$ MILLION)

FIGURE 18 GLOBAL LIDAR TECHNOLOGY MARKET BY MICRO-ELECTRO-MECHANICAL SYSTEMS 2018-2026 (\$ MILLION)

FIGURE 19 GLOBAL LIDAR TECHNOLOGY MARKET BY GPS/GNSS RECEIVER

2018-2026 (\$ MILLION)

FIGURE 20 GLOBAL LIDAR TECHNOLOGY MARKET BY INERTIAL NAVIGATION SYSTEM 2018-2026 (\$ MILLION)

FIGURE 21 GLOBAL LIDAR TECHNOLOGY MARKET BY OTHER COMPONENTS 2018-2026 (\$ MILLION)

FIGURE 23 GLOBAL LIDAR TECHNOLOGY MARKET BY GIS SERVICES 2018-2026 (\$ MILLION)

FIGURE 24 GLOBAL LIDAR TECHNOLOGY MARKET BY GROUND-BASED SURVEYING 2018-2026 (\$ MILLION)

FIGURE 25 GLOBAL LIDAR TECHNOLOGY MARKET BY MAPPING AND MODELING 2018-2026 (\$ MILLION)

FIGURE 26 GLOBAL LIDAR TECHNOLOGY MARKET BY ASSET MANAGEMENT 2018-2026 (\$ MILLION)

FIGURE 27 GLOBAL LIDAR TECHNOLOGY MARKET BY OTHER SERVICES 2018-2026 (\$ MILLION)

FIGURE 28 MARKET PROGRESSION

FIGURE 29 INDUSTRY STRUCTURE OF THE LIDAR MARKET

FIGURE 30 LASER MARKET APPLICATIONS 2016

FIGURE 31 GLOBAL LIDAR SYSTEM SENSORS SALES 2014 & 2022 (\$ MILLION)

FIGURE 32 MAPPING DEMAND GLOBALLY, FULFILLED BY LIDAR (2016)

FIGURE 33 INVESTMENT PROPOSITION FOR LIDAR TECHNOLOGY MARKET BY GEOGRAPHY - 2017

FIGURE 34 INVESTMENT PROPOSITION FOR LIDAR TECHNOLOGY MARKET BY APPLICATION - 2017

FIGURE 35 US DRONE MARKET 2014-2019 (\$ MILLION)

FIGURE 36 LIDAR TECHNOLOGY MARKET IN THE US 2018-2026 (\$ MILLION)

FIGURE 37 LIDAR TECHNOLOGY MARKET IN CANADA 2018-2026 (\$ MILLION)

FIGURE 38 LIDAR TECHNOLOGY MARKET IN UK 2018-2026 (\$ MILLION)

FIGURE 39 FRANCE DRONE MARKET 2014-2019 (\$ MILLION)

FIGURE 40 LIDAR TECHNOLOGY MARKET IN FRANCE 2018-2026 (\$ MILLION)

FIGURE 41 LIDAR TECHNOLOGY MARKET IN GERMANY 2018-2026 (\$ MILLION)

FIGURE 42 SPAIN DRONE MARKET 2014-2019 (\$ MILLION)

FIGURE 43 LIDAR TECHNOLOGY MARKET IN SPAIN 2018-2026 (\$ MILLION)

FIGURE 44 ITALY DRONE MARKET 2014-2019 (\$ MILLION)

FIGURE 45 LIDAR TECHNOLOGY MARKET IN ITALY 2018-2026 (\$ MILLION)

FIGURE 46 LIDAR TECHNOLOGY MARKET IN REST OF THE EUROPE 2018-2026 (\$ MILLION)

FIGURE 47 CHINA AUTOMOBILE SALES FORECAST 2014-2020 (MILLION UNITS)

FIGURE 48 LIDAR TECHNOLOGY MARKET IN CHINA 2018-2026 (\$ MILLION)

FIGURE 49 MARKET SHARE OF DRONE COMPONENTS IN INDIA 2016
FIGURE 50 LIDAR TECHNOLOGY MARKET IN INDIA 2018-2026 (\$ MILLION)
FIGURE 51 DRONE COMPONENTS MARKET SHARE IN JAPAN 2016
FIGURE 52 LIDAR TECHNOLOGY MARKET IN JAPAN 2018-2026 (\$ MILLION)
FIGURE 53 LIDAR TECHNOLOGY MARKET IN SOUTH KOREA 2018-2026 (\$ MILLION)
FIGURE 54 LIDAR TECHNOLOGY MARKET IN AUSTRALIA 2018-2026 (\$ MILLION)
FIGURE 55 LIDAR TECHNOLOGY MARKET IN REST OF ASIA PACIFIC 2018-2026 (\$ MILLION)
FIGURE 56 LIDAR TECHNOLOGY MARKET IN LATIN AMERICA 2018-2026 (\$ MILLION)
FIGURE 57 LIDAR TECHNOLOGY MARKET IN MIDDLE EAST AND AFRICA 2018-2026 (\$ MILLION)

COMPANIES MENTIONED

1. AUTONOMOUSTUFF
2. BLOM
3. FARO TECHNOLOGIES
4. GEODIGITAL
5. GEOKNO INDIA PVT. LTD.
6. LEICA GEOSYSTEMS
7. MICHAEL BAKER INTERNATIONAL
8. MIRA SOLUTIONS
9. QUANTUM SPATIAL
10. RIEGL
11. SICK
12. TELEDYNE OPTECH
13. TOPCON POSITIONING SYSTEMS INC
14. TRIMBLE
15. VELODYNE LIDAR
16. QUANERGY SYSTEMS INC.

I would like to order

Product name: GLOBAL LiDAR TECHNOLOGY MARKET FORECAST 2018-2026

Product link: <https://marketpublishers.com/r/GE9327B7E76EN.html>

Price: US\$ 2,500.00 (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/GE9327B7E76EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970