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# Asia-Pacific LiDAR Market by Product Types (Terrestrial/Static, Aerial, Mobile, Short Range), Component (Laser, Inertial Navigation System, Camera, GPS/GNSS Receiver, Microelectromechanical System) and Users (Aerospace & Defense, Civil Engineering, Archaeology, Forestry & Agriculture, Mining, Transportation) - Opportunity Analysis and Industry Forecast, 2015 - 2022

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## Abstracts

Light detection and ranging (LiDAR) systems enable easier examination, detection, and mapping of objects in comparison to the conventional techniques. These systems are increasingly employed over conventional survey methods as they provide accurate data and 3D images at a faster rate. LiDAR systems have replaced conventional surveying methods and statistical analysis due to the in-depth analysis requirement in different application areas. The widespread awareness about the advantages of LiDAR in different industry verticals is a major factor that drives the Asia-Pacific LiDAR market. Countries, such as China, Japan and South Korea amongst others, are using LiDAR technology in civil engineering and forestry applications. Furthermore, Government initiatives have a positive impact on the adoption of the LiDAR technology in different application areas. This further supplements the growth and creates opportunities for the players to enhance their market reach.
Strategies such as product launch, acquisitions, joint ventures, and partnerships are expected to help the market players set a common technology platform and share the technological requirements, which in turn, would enhance their product portfolio and increase their market share across Asia-Pacific. Cost cutting in operations is expected to assist the manufacturers to invest into advertisement and increase awareness about

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LiDAR systems across diverse industry verticals. In addition, increased use of LiDAR systems across various industries supported by favorable government initiatives, is expected to fuel the growth of the Asia-Pacific LiDAR market. For instance, in February 2015, the Indian road ministry announced the mandatory use of LiDAR system to conduct a feasibility check for all the highway projects in India.
The Asia-Pacific LiDAR market is segmented based on the type, component, application, end user, and country. Static or terrestrial, aerial, mobile, and short range are the various types of LiDAR systems. The components of LiDAR systems include laser scanner, inertial navigation system, camera, GPS/GNSS receiver, and microelectromechanical system. Based on application, the market is segmented into corridor mapping, seismology, exploration & detection, and others. The end user segment includes industries such as defense & aerospace, civil engineering, archaeology, forestry & agriculture, mining industry, and transportation. Geographically, the market is divided into China, Japan, India, South Korea, and rest of Asia-Pacific.

POTENTIAL BENEFITS FOR STAKEHOLDERS:

The study highlights the Asia-Pacific LiDAR market with current trends and estimates the adoption of this technology across varied industry verticals to analyze the prominent investment pockets.

Microscopic analysis of segments is conducted to gauge the potential of the market and highlight the favorable conditions for its growth.

Porters five force’s model helps analyze the potential of buyers & suppliers, with a competitive outlook, which assists key players in decision-making.

Value chain analysis provides a clear view of key intermediaries involved and elaborates their roles and value addition at every stage.

MARKET SEGMENTATION

The market is segmented on the basis of type, component, application, end user and country as follows:
BY PRODUCT TYPE

Terrestrial/Static

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Aerial

Mobile

Short Range

BY COMPONENT

Laser

Inertial Navigation System

Camera

GPS/GNSS Receiver

Microelectromechanical System (MEMS)

BY APPLICATION

Corridor Mapping

Seismology

Exploration & Detection

Others

BY END USER

Aerospace & Defense

Civil Engineering

Archaeology

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Forestry & Agriculture

Mining

Transportation

BY COUNTRY

China

India

Japan

South Korea

Rest of Asia-Pacific

KEY PLAYERS

Airborne Hydrography AB

Faro Technologies Inc.

Leica Geosystems Inc. (Hexagon)

3D Laser Mapping Inc.

RIEGL Laser Measurement Systems GmbH

Aerometric Inc.

Optech Inc. (Teledyne Technologies)

Quanergy Systems, Inc.

Raymetrics S.A.

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Saab Group

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## CHAPTER 6 ASIA-PACIFIC LIDAR MARKET, BY APPLICATION



## CHAPTER 7 ASIA-PACIFIC LIDAR MARKET, BY END-USER

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## CHAPTER 8 ASIA-PACIFIC LIDAR MARKET, BY COUNTRY

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## CHAPTER 9 COMPANY PROFILE

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