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Global LiDAR Drone Market Size study, byComponent (LiDAR Lasers, Navigation and Positioning, UAV Cameras, Other) by Type (Corporate-Rotary-wing LiDAR Drones, Fixed-wing LiDAR Drones) by Range (Short, Medium, Long) by Application (Corridor Mapping, Archaeology, Construction, Environment, Entertainment, Precision Agriculture, Others)and Regional Forecasts 2021-2027

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Abstracts

Global LiDAR Drone Market is valued approximately USD 133 million in 2020 and is anticipated to grow with a healthy growth rate of more than 24.2% over the forecast period 2021-2027. LiDAR is an abbreviation for the Light Detection and Ranging technique, which is commonly used in observing and visualizing geographical data. This technology is then embedded into a drone and used for surveying, timber harvesting, geographic location, amusement, geology, seismology, archaeology, sustainable agriculture, and maintenance.The incomparable results and usefulness of Geographical Information Systems in many multiple industries is benefiting the integration of these devices. Short-range LiDAR drones constituted the majority of the LiDAR drone industry in 2019. The growing focus of LiDAR drone manufacturers on the deployment of short-range LiDAR drones is a major driver driving this market's growth. These LiDAR drones take to the air at a low height (below 200m). As a result, most of the locations do not require additional permits to fly them. LiDAR drones with a narrow bandwidth are light and power efficient. As a result, these drones only require modest batteries, lowering their overall price. The data collected by LiDAR drones is dependable and trustworthy, and as a result, it may be used to build national guidelines and standards in a variety of fields, most notably aerospace and defence, exploration and production, and logistics

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management. Growing improvements in the LiDAR drones market are opening up a slew of new chances for industry expansion. Velodyne LiDAR released the world's lightest 16-channel LiDAR detector in 2018, targeting at the expanding UAV industry. The industry is also predicted to increase due to high demand for multidimensional models of land boundaries and satellite images. Government and commercial companies in the architecture, mining, and industrial activities, as well as mapping, land management, and development, are likely to drive up demand for LiDAR drones in the future seasons. However, rising concerns about air traffic management and restrictions governing drone flying zones are challenges that could stymie the worldwide LiDAR drone market's growth. Nonetheless, growing the use of drones in agriculture, particularly for precision farming, might generate significant revenue for participants in the target industry.

America is expected to dominate the LIDAR drones industry, with the United States contributing the most income. The expansion of the LIDAR drones market in this area is attributed to the prevalence of high military budgets along with increased investment in technological breakthroughs in the defense industry.The US military's investment on drones is expected to hit a five-year high. Drone-related acquisitions, research and innovation, and mechanism construction were all included in the Department of Defense's annual budget of USD 6.97 billion.The Asia-Pacific region, on the other hand, is expected to develop at the fastest rate, thanks to increased knowledge of the benefits of LIDAR drones, such as extreme precision.

Major market player included in this report are:
Phoenix LiDAR Systems
RIEGL Laser Measurement Systems GmbH
Velodyne LiDAR Inc.
Teledyne Optech
UMS Skeldar
LiDARUSA
YellowScan
Geodetics, Inc.
OnyxScan
Delair

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

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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:
ByComponent:
LiDAR Lasers
Navigation and Positioning Systems
UAV Cameras
Other
ByType:
Rotary-wing LiDAR Drones
Fixed-wing LiDAR Drones
By Range:
Short
Medium
Long
By Application:
Corridor Mapping
Archeology
Construction
Environment
Entertainment
Precision Agriculture
Others

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

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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
Base year – 2020
Forecast period – 2021 to 2027

Target Audience of the Global LiDAR Drone 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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