LiDAR Drone Market 2024 Trends: Expected to Grow at a CAGR of 22.1% from 2022 to 2031, Claims AMR

The lidar drone market was valued at $0.15 billion in 2021, and is estimated to reach $1 billion by 2031, growing at a CAGR of 22.1% from 2022 to 2031.

WILMINGTON, DE, UNITED STATES, November 4, 2024 /EINPresswire.com/ -- According to the report published by Allied Market Research, the global LiDAR drone market garnered $0.15 billion in 2021, and is estimated to generate $1.0 billion by 2031, manifesting a CAGR of 22.1% from 2022 to 2031. The report provides an extensive analysis of changing market dynamics, major segments, value chain, competitive scenario, and regional landscape. This research offers a valuable guidance to leading players, investors, shareholders, and startups in devising strategies for the sustainable growth and gaining competitive edge in the market.

> By LiDAR type, the bathymetric segment is projected to dominate the global LiDAR drone market in terms of growth rate.”
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> *Allied Market Research*

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Segments covered LiDAR type, drone type, drone range, application, and region
Drivers Surge in adoption of LiDAR drone for mining application

Growth in investments in smart city projects

Expansion in applications in civil and defense engineering
Opportunities Rise in adoption of aerial data collection tools for environmental purposes

Higher investments in the drone industry
Restraints Stringent restrictions and regulations related to use of drones in various countries

Lack of trained personnel to operate LiDAR drone

High operational and purchasing cost

The research provides detailed segmentation of the global LiDAR drone market based on LiDAR type, drone type, drone range, application, and region. The report discusses segments and their sub-segments in detail with the help of tables and figures. Market players and investors can strategize according to the highest revenue-generating and fastest-growing segments mentioned in the report.

Based on drone type, the rotary wing segment held the highest share in 2021, accounting for around three-fifths of the global LiDAR drone market, and is expected to continue its leadership status during the forecast period. However, the fixed wing segment is expected to register the highest CAGR of 23.9% from 2022 to 2031.

Based on drone range, the short segment accounted for the highest share in 2021, contributing to nearly three-fifths of the global LiDAR drone market, and is expected to maintain its lead in terms of revenue during the forecast period. However, the long segment is expected to manifest the highest CAGR of 25.9% from 2022 to 2031.

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Based on application, the environment segment accounted for the highest share in 2021, holding around two-fifths of the global LiDAR drone market, and is expected to continue its leadership status during the forecast period. However, the others segment is estimated to grow at the highest CAGR of 25.8% during the forecast period.

Based on region, North America held the largest share in 2021, contributing to more than two-fifths of the global LiDAR drone market share, and is projected to maintain its dominant share in terms of revenue in 2031. In addition, the LAMEA region is expected to manifest the fastest CAGR of 25.5% during the forecast period.

Leading market players of the global LiDAR drone market analyzed in the research include
Phoenix Lidar Systems
Leica Geosystems AG
Teledyne Imaging
Topodrone
PolyExplore Inc.
Microdrones
UMS Skeldar
yellowscan
OnyxScan
RIEGL Laser Measurement Systems GmbH

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