

Global Aircraft Lightning Protection Market Size Study, by Product (Lightning Protection, Lightning Detection & Warning), by End-User (Civil, Military), by Aircraft (Commercial, Regional Jet, Business Jet, Helicopter, Military), by Fit (Line-Fit, Retrofit) and Regional Forecasts 2022-2032

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Abstracts

Global Aircraft Lightning Protection Market valued at approximately USD 3.49 billion in 2023, is anticipated to grow at a moderate CAGR of 3.12% over the forecast period 2024-2032. Aircraft Lightning Protection is a critical aspect of aviation safety, designed to safeguard aircraft from the potentially devastating effects of lightning strikes. Modern aircraft are equipped with sophisticated systems, including conductive pathways, static dischargers, bonding straps, and surge protectors, which channel lightning currents safely through the aircraft's structure, thus minimizing the risk of damage.

The Global Aircraft Lightning Protection Market is driven by consistent growth in aircraft production, coupled with substantial R&D efforts in lightning protection technologies, is expected to drive market growth. Moreover, the rising demand for low-cost carriers, the expansion of the air passenger segment, and the development of cost-effective solutions are significant growth drivers for the market. The proliferation of the tourism industry and the increasing demand for single-aisle aircraft and business jets are also key factors contributing to the market's expansion. However, the high cost associated with aircraft manufacturing setups for lightning protection remains a challenge for the industry, potentially hindering the market's growth to some extent.

The key regions considered for the market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America held the largest market share due to significant advancements in the aviation industry, particularly in aircraft production and defense sector investments. Furthermore, the Asia-Pacific region

is expected to register the highest growth rate during the forecast period, driven by rapid infrastructure development, growing air passenger traffic, and increased demand for new aircraft.

Major market players included in this report are:

Honeywell International, Inc.

Saab

Cobham

Dayton-Granger, Inc.

TE Connectivity

Astrosela Products

Dexmet Corporation

L3 Aviation Products

Avidyne

All Weather, Inc.

Saywell

Protek Devices

Safran

Airbus Group

Boeing

The detailed segments and sub-segment of the market are explained below:

By Product:

- Lightning Protection
- Lightning Detection & Warning

By End-User:

- Civil
- Military

By Aircraft:

- Commercial
- Regional Jet
- Business Jet
- Helicopter
- Military

By Fit:

- Line-Fit
- Retrofit

By Region:

North America:

- U.S.

- Canada

Europe:

- UK
- Germany
- France
- Spain
- Italy
- ROE

Asia Pacific:

- China
- India
- Japan
- Australia
- South Korea
- RoAPAC

Latin America:

- Brazil
- Mexico
- RoLA

Middle East & Africa:

- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022
- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- Annualized revenues and regional level analysis for each market segment.
- Detailed analysis of geographical landscape with Country level analysis of major regions.
- Competitive landscape with information on major players in the market.
- Analysis of key business strategies and recommendations on future market approach.
- Analysis of competitive structure of the market.
- Demand side and supply side analysis of the market

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