

# **Aircraft Flight Recorder Market – Global Industry Size, Share, Trends Opportunity, and Forecast, Segmented By Type (Flight Data Recorder (FDR), Cockpit Voice Recorder (CVR), and Cockpit Voice and Data Recorder (CVDR)), By End-User (Civil and Commercial Aviation and Military Aviation), By Region and By Competition Forecast 2021-2031F**

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## **Abstracts**

The Global Aircraft Flight Recorder Market will grow from USD 119.53 Million in 2025 to USD 171.58 Million by 2031 at a 6.21% CAGR. The Global Aircraft Flight Recorder Market encompasses the manufacturing of Cockpit Voice Recorders (CVR) and Flight Data Recorders (FDR), devices essential for preserving audio and flight parameters to aid accident investigations.

## **Key Market Drivers**

Stringent International Aviation Safety Regulations and Compliance Mandates serve as a primary catalyst for technological evolution and market procurement within the avionics sector. Regulatory bodies such as the EASA and the FAA are continually harmonizing standards to extend Cockpit Voice Recorder (CVR) duration to 25 hours, necessitating the adoption of advanced solid-state memory technologies with higher storage capacities. These mandates compel operators to replace outdated magnetic tape or limited-capacity units with modern, crash-survivable systems, ensuring that accident investigators have access to comprehensive data.

## **Key Market Challenges**

The high capital expenditure required to retrofit legacy aircraft with modern flight recording systems constitutes a significant impediment to market expansion. While new airframes come equipped with compliant technology, integrating advanced Cockpit Voice Recorders and Flight Data Recorders into older fleets involves substantial financial outlays beyond the hardware purchase, including complex engineering, certification costs, and operational downtime. For smaller regional operators and cargo carriers utilizing aging fleets, these expenses often represent a disproportionate percentage of the aircraft's residual value, creating a strong economic disincentive to upgrade until absolutely mandated by regulatory deadlines.

### **Key Market Trends**

The Transition to Real-Time Wireless Flight Data Streaming is fundamentally reshaping the market by moving beyond passive onboard storage to active, immediate data transmission. This shift is critical for military and commercial operators who require instant access to flight parameters for rapid anomaly detection and to eliminate the risk of data loss in deep-sea recovery scenarios. The demand for such high-bandwidth, robust transmission architecture is evident in recent major defense procurements.

### **Key Market Players**

Aversan Inc.

L3Harris Technologies, Inc.

The General Electric Company

Curtiss-Wright Corporation

Elbit Systems Ltd.

Safran

Niron Systems & Projects

Leonardo S.p.A

Flight Data Systems

Honeywell International Inc.

## Report Scope:

In this report, the Global Aircraft Flight Recorder Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Aircraft Flight Recorder Market, By End-User:

Civil and Commercial Aviation and Military Aviation

Aircraft Flight Recorder Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

## **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Aircraft Flight Recorder Market.

## **Available Customizations:**

Global Aircraft Flight Recorder Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## **Company Information**

Detailed analysis and profiling of additional market players (up to five).



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