

# **Aircraft Health Monitoring System Market by IVHM Technology (Prognostic, Diagnostic, CBM & Adaptive Control), Sub-System (Aero-Propulsion, Aircraft Structure, Avionics And Ancillary System), Fit, Type & Region - Global Forecast to 2021**

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## **Abstracts**

“The aircraft health monitoring systems (AHMS) market is projected to grow at a CAGR of 6.53%”

The aircraft health monitoring systems market is estimated at USD 3.43 billion in 2016, and is projected to reach USD 4.71 billion by 2021, at a CAGR of 6.53% from 2016 to 2021. Cost effective maintenance and increase in asset utilization, among others are some of the major drivers of the aircraft health monitoring systems market.

“The commercial segment is projected to grow at the highest CAGR during the forecast period”

The commercial segment in the aircraft health monitoring systems market is anticipated to grow at the highest CAGR during the forecast period. The increase in commercial aircraft orders, growing trend towards more electric aircraft, and rising demand for automation are the key factors propelling the growth of this segment in the aircraft health monitoring systems market.

“The aero-propulsion segment is expected to account for the largest share in the aircraft health monitoring systems market in 2016”

The aero-propulsion segment in the aircraft health monitoring systems market, by sub-system is anticipated to account for the largest share. On the other hand, the avionics

segment is projected to grow at the highest CAGR during the forecast period, as it focuses on highly complex systems which help in predictive maintenance of an aircraft.

“North American led the aircraft health monitoring systems market in terms of market share” In 2016, North America is estimated to lead the aircraft health monitoring systems market, by region. Countries in this region include the U.S. and Canada. Increasing consumer expectations, reduced costs, and improvement in operational efficiency are various factors that are driving the aircraft health monitoring systems market in North America.

Break-up of profile of primary participants for aircraft health monitoring systems market report:

By Company Type - Tier 1 – 35%, Tier 2 – 45% and Tier 3 – 20%

By Designation – C-level – 35%, Director-level – 25%, Others – 40%

By Region - North America - 45%, Europe – 20%, Asia-Pacific – 30%, RoW – 5%

Key players profiled in the aircraft health monitoring systems market report include the Airbus Group (Netherlands), the Boeing Company (U.S.), United Technologies Corporation (U.S.), Honeywell International, Inc. (U.S.), and General Electric Company (U.S.) among others.

Reasons to buy the report:

From an insight perspective, the AHMS market report has focused on various levels of analysis — industry analysis, market share analysis of top players and company profiles, which together comprise and discuss the basic views on the competitive landscape, high-growth regions and countries and their respective regulatory policies, drivers, restraints, and opportunities.

The AHMS market report provides insights on the following pointers:

Market Penetration: Comprehensive information on AHMS equipment offered by the top 10 market players

**Product Development/Innovation:** Detailed insights on upcoming technologies, research & development activities, among others in the AHMS market

**Market Diversification:** Exhaustive information about new products, untapped geographies, recent developments, and investments in the market

**Competitive Assessment:** In-depth assessment of strategies, products, and manufacturing capabilities of the leading market players

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## About

The role of an aircraft health monitoring system is to primarily decrease the maintenance cost and increase the availability of aging aircraft fleets by fundamentally changing the way structural inspections are carried out.

Health management and prognostics in aircraft health management systems have emerged as a key research area for estimating failures and degradations in the field of commercial aviation.

This aircraft health monitoring systems market report provides an in-depth market analysis for the next six years. It contains an analysis of the market dynamics that impact the industry, along with their short, medium, and long term impact. It also discusses the technology trends that prevail in this market. It provides the market size of the aircraft health monitoring systems market over the next six years and analyses the submarkets in each region.

The report provides qualitative and quantitative information on this market. The report identifies the market application gaps, emerging technologies, the need for new product launches, and high potential geographic regions and countries. The report provides a granular segmentation of the market, tracking the market size, market share, revenue projections, financial portfolio thereby, covering a broad spectrum of the market.

The report also highlights the industry value chain, with a detailed ETOP analysis, and a market life cycle analysis of the aircraft health monitoring systems market. It also provides information on the winning imperatives related to the logical architecture of aircraft health monitoring systems. It also throws light on the market across different types of aircraft and health monitoring systems. It also forecasts the cost of procurement, integration, and maintenance of aircraft health monitoring systems.

The report covers aero-propulsion systems, aircraft structures, avionics, and ancillary systems. Aero-propulsion systems generally consist of primary and auxiliary power units. Aircraft structures encompass fuselage, wings, and flight control surfaces. The avionics systems consist of flight control systems, navigation, and communication systems. Ancillary structures consist of other sub-systems such as brakes, power distribution systems, wheels, environmental control systems, and fuel distribution systems.



The report also provides an analysis of the Integrated Vehicle Health Monitoring (IVHM) technologies used in the aircraft health and usage monitoring systems. These technologies are generally segmented into Prognostics, Diagnostics, Condition Based Maintenance (CBM), and Adaptive Control.

The report also offers a competitive landscape by analyzing the market share of key players in this market along with a strategic profiling to comprehensively analyze their market shares, growth strategies, and their competencies in this market.

In a nutshell, this research report is consolidated business intelligence on the aircraft monitoring systems market. This report will also help the commercial aviation, defense industry and the stakeholders to identify revenue pockets in this market.

## I would like to order

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