

Aircraft Health Monitoring - Global Market Outlook (2020-2028)

<https://marketpublishers.com/r/AA56B44B1385EN.html>

Date: June 2021

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: AA56B44B1385EN

Abstracts

According to Statistics MRC, the Global Aircraft Health Monitoring Market is accounted for \$3.36 billion in 2020 and is expected to reach \$8.81 billion by 2028 growing at a CAGR of 12.8% during the forecast period. Increasing use of engine condition monitoring (ECM) by airlines, real-time information for enhanced health management of aircraft and reduced maintenance costs with predictive monitoring and management of aircraft are driving the market growth. However, lack of uniform data standards and susceptibility to harsh working conditions is hampering the growth of the market.

Aircraft health monitoring systems are used to identify problems in the aircraft status and provide alternatives to fix the problems. Aircraft health monitoring systems are utilized as prognosis, diagnosis, detection and mitigation assistance devices. These systems are mainly used to reduce the operational and maintenance costs and improve flight safety.

Based on the platform, the commercial aviation segment is going to have lucrative growth during the forecast period owing to the high demand for health monitoring systems, solutions, and services. Airlines in the commercial sector are focused on implementing these solutions to reduce the operating costs of their air fleets, which will support the market growth over the projected period of time. By geography, Asia Pacific is going to have high growth during the forecast period due to increase in aircraft deliveries in the region.

Some of the key players profiled in the Aircraft Health Monitoring Market include Airbus Group, BAE Systems, Boeing International, Bombardier Inc., Embraer S.A, General Electric, Gulfstream Technology, Honeywell Inc., Meggitt PLC, Rockwell Collins, Rolls Royce Holdings, RSL Electronics Inc, Safran (Sagem), Ultra Electronics Holdings and

United Technologies Corporation.

Platforms Covered:

Commercial

Business & General

Military Aviation

Installations Covered:

Onboard

On Ground

Fits Covered:

Linefit

Retrofit

Solutions Covered:

Hardware

Software

Services

Operation Modes Covered:

Real Time

Non-Real-Time/ Post Flight

Systems Covered:

Component Monitoring

Engine Health Monitoring

Structural Health Monitoring

Technologies Covered:

Adaptive Control

Diagnostics

Prognostics

End Users Covered:

Original Equipment Manufacturers (OEMs)

Maintenance, Repair, and Operating Supply (MRO)

Airlines

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025, and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Technology Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL AIRCRAFT HEALTH MONITORING MARKET, BY PLATFORM

- 5.1 Introduction
- 5.2 Commercial
 - 5.2.1 Narrow-Body Aircraft
 - 5.2.2 Regional Transport Aircraft
 - 5.2.3 Wide-Body Aircraft
 - 5.2.3.1 Small Wide Body
 - 5.2.3.2 Medium Wide body
 - 5.2.4 Very Large Body
 - 5.2.5 Turboprop
- 5.3 Business & General
 - 5.3.1 Business Jets
 - 5.3.2 Commercial Helicopters
 - 5.3.3 Rotary Wing
- 5.4 Military Aviation
 - 5.4.1 Fighter Aircraft
 - 5.4.2 Transport Aircraft
 - 5.4.3 Military Helicopters
 - 5.4.4 Unmanned Aerial Vehicles (UAVs)

6 GLOBAL AIRCRAFT HEALTH MONITORING MARKET, BY INSTALLATION

- 6.1 Introduction
- 6.2 Onboard
- 6.3 On Ground

7 GLOBAL AIRCRAFT HEALTH MONITORING MARKET, BY FIT

- 7.1 Introduction
- 7.2 Linefit
- 7.3 Retrofit

8 GLOBAL AIRCRAFT HEALTH MONITORING MARKET, BY SOLUTION

- 8.1 Introduction
- 8.2 Hardware
 - 8.2.1 Sensors
 - 8.2.1.1 Engines & Auxiliary Power Units

- 8.2.1.2 Aerostructures
- 8.2.1.3 Ancillary Systems
- 8.2.2 Avionics
- 8.2.3 Flight Data Management Systems
- 8.2.4 Connected Aircraft Solutions
- 8.2.5 Ground Servers
- 8.3 Software
 - 8.3.1 Onboard Software
 - 8.3.2 Diagnostic Flight Data Analysis
 - 8.3.3 Prognostic Flight Data Analysis Software
- 8.4 Services
 - 8.4.1 Flight Health Monitoring Data Transmission
 - 8.4.2 Flight Data Monitoring (FDM)

9 GLOBAL AIRCRAFT HEALTH MONITORING MARKET, BY OPERATION MODE

- 9.1 Introduction
- 9.2 Real Time
- 9.3 Non-Real-Time/ Post Flight

10 GLOBAL AIRCRAFT HEALTH MONITORING MARKET, BY SYSTEM

- 10.1 Introduction
- 10.2 Component Monitoring
- 10.3 Engine Health Monitoring
- 10.4 Structural Health Monitoring

11 GLOBAL AIRCRAFT HEALTH MONITORING MARKET, BY TECHNOLOGY

- 11.1 Introduction
- 11.2 Adaptive Control
- 11.3 Diagnostics
- 11.4 Prognostics

12 GLOBAL AIRCRAFT HEALTH MONITORING MARKET, BY END USER

- 12.1 Introduction
- 12.2 Original Equipment Manufacturers (OEMs)
- 12.3 Maintenance, Repair, and Operating Supply (MRO)

12.4 Airlines

13 GLOBAL AIRCRAFT HEALTH MONITORING MARKET, BY GEOGRAPHY

13.1 Introduction

13.2 North America

13.2.1 US

13.2.2 Canada

13.2.3 Mexico

13.3 Europe

13.3.1 Germany

13.3.2 UK

13.3.3 Italy

13.3.4 France

13.3.5 Spain

13.3.6 Rest of Europe

13.4 Asia Pacific

13.4.1 Japan

13.4.2 China

13.4.3 India

13.4.4 Australia

13.4.5 New Zealand

13.4.6 South Korea

13.4.7 Rest of Asia Pacific

13.5 South America

13.5.1 Argentina

13.5.2 Brazil

13.5.3 Chile

13.5.4 Rest of South America

13.6 Middle East & Africa

13.6.1 Saudi Arabia

13.6.2 UAE

13.6.3 Qatar

13.6.4 South Africa

13.6.5 Rest of Middle East & Africa

14 KEY DEVELOPMENTS

14.1 Agreements, Partnerships, Collaborations and Joint Ventures

- 14.2 Acquisitions & Mergers
- 14.3 New Product Launch
- 14.4 Expansions
- 14.5 Other Key Strategies

15 COMPANY PROFILING

- 15.1 Airbus Group
- 15.2 BAE Systems
- 15.3 Boeing International
- 15.4 Bombardier Inc.
- 15.5 Embraer S.A
- 15.6 General Electric
- 15.7 Gulfstream Technology
- 15.8 Honeywell Inc.
- 15.9 Meggitt PLC
- 15.10 Rockwell Collins
- 15.11 Rolls Royce Holdings
- 15.12 RSL Electronics Inc
- 15.13 Safran (Sagem)
- 15.14 Ultra Electronics Holdings
- 15.15 United Technologies Corporation

List Of Tables

LIST OF TABLES

Table 1 Global Aircraft Health Monitoring Market Outlook, By Region (2019-2028) (US \$MN)

Table 2 Global Aircraft Health Monitoring Market Outlook, By Platform (2019-2028) (US \$MN)

Table 3 Global Aircraft Health Monitoring Market Outlook, By Commercial (2019-2028) (US \$MN)

Table 4 Global Aircraft Health Monitoring Market Outlook, By Narrow-Body Aircraft (2019-2028) (US \$MN)

Table 5 Global Aircraft Health Monitoring Market Outlook, By Regional Transport Aircraft (2019-2028) (US \$MN)

Table 6 Global Aircraft Health Monitoring Market Outlook, By Wide-Body Aircraft (2019-2028) (US \$MN)

Table 7 Global Aircraft Health Monitoring Market Outlook, By Very Large Body (2019-2028) (US \$MN)

Table 8 Global Aircraft Health Monitoring Market Outlook, By Turboprop (2019-2028) (US \$MN)

Table 9 Global Aircraft Health Monitoring Market Outlook, By Business & General (2019-2028) (US \$MN)

Table 10 Global Aircraft Health Monitoring Market Outlook, By Business Jets (2019-2028) (US \$MN)

Table 11 Global Aircraft Health Monitoring Market Outlook, By Commercial Helicopters (2019-2028) (US \$MN)

Table 12 Global Aircraft Health Monitoring Market Outlook, By Rotary Wing (2019-2028) (US \$MN)

Table 13 Global Aircraft Health Monitoring Market Outlook, By Military Aviation (2019-2028) (US \$MN)

Table 14 Global Aircraft Health Monitoring Market Outlook, By Fighter Aircraft (2019-2028) (US \$MN)

Table 15 Global Aircraft Health Monitoring Market Outlook, By Transport Aircraft (2019-2028) (US \$MN)

Table 16 Global Aircraft Health Monitoring Market Outlook, By Military Helicopters (2019-2028) (US \$MN)

Table 17 Global Aircraft Health Monitoring Market Outlook, By Unmanned Aerial Vehicles (UAVs) (2019-2028) (US \$MN)

Table 18 Global Aircraft Health Monitoring Market Outlook, By Installation (2019-2028)

(US \$MN)

Table 19 Global Aircraft Health Monitoring Market Outlook, By Onboard (2019-2028)

(US \$MN)

Table 20 Global Aircraft Health Monitoring Market Outlook, By On Ground (2019-2028)

(US \$MN)

Table 21 Global Aircraft Health Monitoring Market Outlook, By Fit (2019-2028) (US \$MN)

Table 22 Global Aircraft Health Monitoring Market Outlook, By Linefit (2019-2028) (US \$MN)

Table 23 Global Aircraft Health Monitoring Market Outlook, By Retrofit (2019-2028) (US \$MN)

Table 24 Global Aircraft Health Monitoring Market Outlook, By Solution (2019-2028) (US \$MN)

Table 25 Global Aircraft Health Monitoring Market Outlook, By Hardware (2019-2028) (US \$MN)

Table 26 Global Aircraft Health Monitoring Market Outlook, By Sensors (2019-2028) (US \$MN)

Table 27 Global Aircraft Health Monitoring Market Outlook, By Avionics (2019-2028) (US \$MN)

Table 28 Global Aircraft Health Monitoring Market Outlook, By Flight Data Management Systems (2019-2028) (US \$MN)

Table 29 Global Aircraft Health Monitoring Market Outlook, By Connected Aircraft Solutions (2019-2028) (US \$MN)

Table 30 Global Aircraft Health Monitoring Market Outlook, By Ground Servers (2019-2028) (US \$MN)

Table 31 Global Aircraft Health Monitoring Market Outlook, By Software (2019-2028) (US \$MN)

Table 32 Global Aircraft Health Monitoring Market Outlook, By Onboard Software (2019-2028) (US \$MN)

Table 33 Global Aircraft Health Monitoring Market Outlook, By Diagnostic Flight Data Analysis (2019-2028) (US \$MN)

Table 34 Global Aircraft Health Monitoring Market Outlook, By Prognostic Flight Data Analysis Software (2019-2028) (US \$MN)

Table 35 Global Aircraft Health Monitoring Market Outlook, By Services (2019-2028) (US \$MN)

Table 36 Global Aircraft Health Monitoring Market Outlook, By Flight Health Monitoring Data Transmission (2019-2028) (US \$MN)

Table 37 Global Aircraft Health Monitoring Market Outlook, By Flight Data Monitoring (FDM) (2019-2028) (US \$MN)

Table 38 Global Aircraft Health Monitoring Market Outlook, By Operation Mode (2019-2028) (US \$MN)

Table 39 Global Aircraft Health Monitoring Market Outlook, By Real Time (2019-2028) (US \$MN)

Table 40 Global Aircraft Health Monitoring Market Outlook, By Non-Real-Time/ Post Flight (2019-2028) (US \$MN)

Table 41 Global Aircraft Health Monitoring Market Outlook, By System (2019-2028) (US \$MN)

Table 42 Global Aircraft Health Monitoring Market Outlook, By Component Monitoring (2019-2028) (US \$MN)

Table 43 Global Aircraft Health Monitoring Market Outlook, By Engine Health Monitoring (2019-2028) (US \$MN)

Table 44 Global Aircraft Health Monitoring Market Outlook, By Structural Health Monitoring (2019-2028) (US \$MN)

Table 45 Global Aircraft Health Monitoring Market Outlook, By Technology (2019-2028) (US \$MN)

Table 46 Global Aircraft Health Monitoring Market Outlook, By Adaptive Control (2019-2028) (US \$MN)

Table 47 Global Aircraft Health Monitoring Market Outlook, By Diagnostics (2019-2028) (US \$MN)

Table 48 Global Aircraft Health Monitoring Market Outlook, By Prognostics (2019-2028) (US \$MN)

Table 49 Global Aircraft Health Monitoring Market Outlook, By End User (2019-2028) (US \$MN)

Table 50 Global Aircraft Health Monitoring Market Outlook, By Original Equipment Manufacturers (OEMs) (2019-2028) (US \$MN)

Table 51 Global Aircraft Health Monitoring Market Outlook, By Maintenance, Repair, and Operating Supply (MRO) (2019-2028) (US \$MN)

Table 52 Global Aircraft Health Monitoring Market Outlook, By Airlines (2019-2028) (US \$MN)

Note: Tables for North America, Europe, Asia Pacific, South America and Middle East & Africa are represented in the same manner as above.

I would like to order

Product name: Aircraft Health Monitoring - Global Market Outlook (2020-2028)

Product link: <https://marketpublishers.com/r/AA56B44B1385EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AA56B44B1385EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970