

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

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 REGIONAL SCOPE
 - 1.3.3 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY & PRICING
- 1.5 DISTRIBUTION CHANNEL PARTICIPANTS
- 1.6 STUDY LIMITATIONS
- 1.7 MARKET STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Breakdown of primaries
- 2.2 DEMAND SIDE ANALYSIS
 - 2.2.1 INTRODUCTION
 - 2.2.2 DEMAND SIDE INDICATORS
 - 2.2.2.1 Increase in aircraft orders and deliveries
 - 2.2.2.2 Increase in aviation passenger traffic
 - 2.2.2.3 Increase in global fleet size
 - 2.2.2.4 Aircraft design
 - 2.2.2.5 Aviation analytics
- 2.3 MARKET SIZE ESTIMATION
 - 2.3.1 BOTTOM-UP APPROACH
 - 2.3.2 TOP-DOWN APPROACH
- 2.4 MARKET BREAKDOWN & DATA TRIANGULATION
- 2.5 RESEARCH ASSUMPTIONS & LIMITATIONS
 - 2.5.1 ASSUMPTIONS
 - 2.5.2 LIMITATIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE MARKET OPPORTUNITIES

4.2 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY TYPE

4.3 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY FIT

4.4 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY SUB-SYSTEMS

4.5 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY IVHM TECHNOLOGY

4.6 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SHARE, 2016

4.7 EUROPE IS EXPECTED TO REGISTER THE HIGHEST CAGR IN THE AHMS MARKET

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET SEGMENTATION

5.2.1 BY TYPE

5.2.2 BY FIT

5.2.3 BY SUB-SYSTEMS

5.2.4 BY IVHM TECHNOLOGY

5.3 ORGANIZATIONAL ENCOUNTERS IN THE AHMS MARKET

5.4 MARKET DYNAMICS

5.4.1 DRIVERS

5.4.1.1 Increase in situational awareness to drive operations

5.4.1.2 Increased need for short mission cycle time

5.4.1.3 Reducing unscheduled maintenance and increasing asset utilization

5.4.1.4 Cost effective maintenance

5.4.1.5 Increasing volume of data generated to analyze the aviation industry

5.4.2 RESTRAINTS

5.4.2.1 Certification clearance

5.4.2.2 Environmental parameters

5.4.2.3 Lack of expertise

5.4.3 OPPORTUNITIES

5.4.3.1 Increasing demand for real-time analytics in the aviation industry

5.4.3.2 Usage of wireless sensors

5.4.3.3 Increase in demand for single-aisle aircraft

5.4.4 CHALLENGES

- 5.4.4.1 Assurance of the quality and accuracy of information received by AHMS
- 5.4.4.2 Data bus limitations
- 5.4.4.3 Aging aircraft

6 INDUSTRY TRENDS

- 6.1 INTRODUCTION
- 6.2 PARADIGM SHIFT FROM NON-DESTRUCTIVE TESTING TO STRUCTURAL HEALTH MONITORING
- 6.3 BIG DATA HAS A CRUCIAL ROLE TO PLAY IN THE AHMS MARKET
- 6.4 ADVANCEMENTS IN TECHNOLOGY RESULTING IN LOW PRICES
- 6.5 TECHNOLOGY TRENDS
 - 6.5.1 WIRELESS SENSOR FOR MEASURING IN-FLIGHT TORQUE DATA
 - 6.5.2 FLIGHT MESSENGER TO MONITOR MAINTENANCE NEEDS
- 6.6 PATENT ANALYSIS
- 6.7 KEY TREND ANALYSIS

7 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY TYPE

- 7.1 INTRODUCTION
- 7.2 COMMERCIAL
 - 7.2.1 BY AIRCRAFT TYPE
 - 7.2.1.1 Narrow body aircraft
 - 7.2.1.2 Wide body aircraft
 - 7.2.1.3 Very large aircraft
 - 7.2.1.4 Business jets
 - 7.2.1.5 Rotary wing
- 7.3 DEFENSE

8 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY FIT

- 8.1 INTRODUCTION
- 8.2 LINE FIT
- 8.3 RETROFIT

9 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY SUB-SYSTEMS

- 9.1 INTRODUCTION
- 9.2 AERO-PROPULSION

9.3 AIRCRAFT STRUCTURES

9.4 AVIONICS

9.5 ANCILLARY SYSTEMS

10 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY IVHM TECHNOLOGY

10.1 INTRODUCTION

10.2 DIAGNOSTICS

10.3 PROGNOSTICS

10.4 CONDITION-BASED MAINTENANCE & ADAPTIVE CONTROL

11 REGIONAL ANALYSIS

11.1 INTRODUCTION

11.2 NORTH AMERICA

11.2.1 BY TYPE

11.2.2 BY FIT

11.2.3 BY SUB-SYSTEMS

11.2.4 BY IVHM TECHNOLOGY

11.2.5 BY COUNTRY

11.2.5.1 U.S.

11.2.5.1.1 By type

11.2.5.1.2 By sub-systems

11.2.5.1.3 By IVHM technology

11.2.5.2 Canada

11.2.5.2.1 By type

11.2.5.2.2 By sub-systems

11.2.5.2.3 By IVHM technology

11.3 EUROPE

11.3.1 BY TYPE

11.3.2 BY FIT

11.3.3 BY SUB-SYSTEMS

11.3.4 BY IVHM TECHNOLOGY

11.3.5 BY COUNTRY

11.3.5.1 France

11.3.5.1.1 By type

11.3.5.1.2 By sub-systems

11.3.5.1.3 By IVHM technology

11.3.5.2 U.K.

11.3.5.2.1 By type

11.3.5.2.2 By sub-systems

11.3.5.2.3 By IVHM technology

11.3.5.3 Russia

11.3.5.3.1 By type

11.3.5.3.2 By sub-systems

11.3.5.3.3 By IVHM technology

11.4 ASIA-PACIFIC

11.4.1 BY TYPE

11.4.2 BY FIT

11.4.3 BY SUB-SYSTEMS

11.4.4 BY IVHM TECHNOLOGY

11.4.5 BY COUNTRY

11.4.5.1 China

11.4.5.1.1 By type

11.4.5.1.2 By sub-systems

11.4.5.1.3 By IVHM technology

11.4.5.2 India

11.4.5.2.1 By type

11.4.5.2.2 By sub-systems

11.4.5.2.3 By IVHM technology

11.4.5.3 Japan

11.4.5.3.1 By type

11.4.5.3.2 By sub-systems

11.4.5.3.3 By IVHM technology

11.5 REST OF THE WORLD

11.5.1 BY TYPE

11.5.2 BY FIT

11.5.3 BY SUB-SYSTEMS

11.5.4 BY IVHM TECHNOLOGY

11.5.5 BY COUNTRY

11.5.5.1 Brazil

11.5.5.1.1 By type

11.5.5.1.2 By sub-systems

11.5.5.1.3 By IVHM technology

11.5.5.2 UAE

11.5.5.2.1 By type

11.5.5.2.2 By sub-systems

11.5.5.2.3 By IVHM technology

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 BRAND ANALYSIS

12.3 COMPETITIVE SITUATIONS AND TRENDS

12.3.1 CONTRACTS

12.3.2 AGREEMENTS

12.3.3 NEW PRODUCT LAUNCHES

12.3.4 COLLABORATIONS

13 COMPANY PROFILES

13.1 INTRODUCTION

13.2 FINANCIAL HIGHLIGHTS OF MAJOR PLAYERS IN AIRCRAFT HEALTH MONITORING SYSTEM MARKET

(Overview, Financials, Products & Services, Strategy, and Developments)*

13.3 AIRBUS GROUP

13.4 UNITED TECHNOLOGIES CORPORATION

13.5 HONEYWELL INTERNATIONAL INC.

13.6 BOEING COMPANY

13.7 GENERAL ELECTRIC COMPANY

13.8 ROCKWELL COLLINS INC.

13.9 ULTRA ELECTRONICS HOLDINGS PLC.

13.10 MEGGITT PLC

13.11 ROLLS-ROYCE PLC

13.12 RSL ELECTRONICS LTD.

*Details on overview, financials, product & services, strategy, and developments might not be captured in case of unlisted companies.

14 APPENDIX

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.3 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

14.4 AVAILABLE CUSTOMIZATIONS

14.5 RELATED REPORTS

List Of Tables

LIST OF TABLES

Table 1 NEED FOR NETWORK, THREAT, AND MISSION AWARENESS (2016-2021)

Table 2 U.S.: BOEING 737 SENSOR DATA FROM CROSS-COUNTRY FLIGHT

Table 3 SUMMARY: COST EFFECTIVE MAINTENANCE PROPEL GROWTH OF THE AIRCRAFT HEALTH MONITORING SYSTEMS MARKET

Table 4 SUMMARY: CERTIFICATION CLEARANCE IS RESTRAINING THE GROWTH FOR AIRCRAFT HEALTH MONITORING SYSTEMS MARKET

Table 5 SUMMARY: INCREASING DEMAND FOR REAL-TIME ANALYTICS IS A MAJOR OPPORTUNITY FOR THE AIRCRAFT HEALTH MONITORING SYSTEMS MARKET

Table 6 SUMMARY: AGING AIRCRAFT IS A MAJOR CHALLENGE FOR THE AIRCRAFT HEALTH MONITORING SYSTEMS MARKET

Table 7 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET: IMPORTANCE OF STRUCTURAL HEALTH MONITORING TECHNIQUES

Table 8 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 9 COMMERCIAL: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 10 COMMERCIAL: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014–2021 (USD MILLION)

Table 11 NARROW BODY AIRCRAFT: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

Table 12 WIDE BODY AIRCRAFT: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 13 VERY LARGE AIRCRAFT: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 14 BUSINESS JETS: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 15 ROTARY WING: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE FOR COMMERCIAL, BY REGION, 2014–2021 (USD MILLION)

Table 16 DEFENSE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY REGION, 2014–2021 (USD MILLION)

Table 17 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY FIT, 2014–2021 (USD MILLION)

Table 18 LINE FIT: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 19 RETROFIT: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 20 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-SYSTEMS, 2014–2021 (USD MILLION)

Table 21 AERO-PROPULSION SYSTEMS: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014-2021 (USD MILLION)

Table 22 AIRCRAFT STRUCTURES: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 23 AVIONICS: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 24 ANCILLARY SYSTEMS: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2016–2021 (USD MILLION)

Table 25 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014–2021 (USD MILLION)

Table 26 DIAGNOSTICS: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 27 PROGNOSTICS: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY REGION, 2014–2021(USD MILLION)

Table 28 CONDITION-BASED MAINTENANCE & ADAPTIVE CONTROL: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET, BY REGION, 2014–2021(USD MILLION)

Table 29 AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY REGION, 2014–2021 (USD MILLION)

Table 30 NORTH AMERICA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 31 NORTH AMERICA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 32 NORTH AMERICA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY FIT, 2014-2021 (USD MILLION)

Table 33 NORTH AMERICA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 34 NORTH AMERICA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 35 NORTH AMERICA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY COUNTRY, 2014-2021 (USD MILLION)

Table 36 U.S.: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 37 U.S.: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 38 U.S.: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-

SYSTEMS, 2014-2021 (USD MILLION)

Table 39 U.S.: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 40 CANADA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
TYPE, 2014-2021 (USD MILLION)

Table 41 CANADA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 42 CANADA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 43 CANADA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 44 EUROPE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
TYPE, 2014-2021 (USD MILLION)

Table 45 EUROPE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 46 EUROPE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
FIT, 2014-2021 (USD MILLION)

Table 47 EUROPE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 48 EUROPE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 49 EUROPE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
COUNTRY, 2015-2021 (USD MILLION)

Table 50 FRANCE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
TYPE, 2014-2021 (USD MILLION)

Table 51 FRANCE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 52 FRANCE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 53 FRANCE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 54 U.K.: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
TYPE, 2014-2021 (USD MILLION)

Table 55 U.K.: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 56 U.K.: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-
SYSTEMS, 2014-2021 (USD MILLION)

Table 57 U.K.: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY
IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 58 RUSSIA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 59 RUSSIA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 60 RUSSIA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 61 RUSSIA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 62 ASIA-PACIFIC: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 63 ASIA-PACIFIC: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 64 ASIA-PACIFIC: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY FIT, 2014-2021 (USD MILLION)

Table 65 ASIA-PACIFIC: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 66 ASIA-PACIFIC: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 67 CHINA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 68 CHINA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 69 CHINA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 70 CHINA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 71 INDIA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 72 INDIA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 73 INDIA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 74 INDIA: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 75 JAPAN: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 76 JAPAN: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 77 JAPAN: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY

SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 78 JAPAN: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 79 ROW: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 80 ROW: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 81 ROW: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY FIT, 2014-2021 (USD MILLION)

Table 82 ROW: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 83 ROW: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 84 BRAZIL: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 85 BRAZIL: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 86 BRAZIL: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 87 BRAZIL: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 88 UAE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY TYPE, 2014-2021 (USD MILLION)

Table 89 UAE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY AIRCRAFT TYPE, 2014-2021 (USD MILLION)

Table 90 UAE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY SUB-SYSTEMS, 2014-2021 (USD MILLION)

Table 91 UAE: AIRCRAFT HEALTH MONITORING SYSTEMS MARKET SIZE, BY IVHM TECHNOLOGY, 2014-2021 (USD MILLION)

Table 92 CONTRACTS, MAY 2014- MARCH 2016

Table 93 AGREEMENTS, OCTOBER 2015– APRIL 2016

Table 94 NEW PRODUCT LAUNCHES, 2014- MAY 2016

Table 95 COLLABORATIONS, FEBRUARY 2015- FEBRUARY 2016

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.

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