

Commercial Aircraft Air Management Systems Market by System (Thermal Management System, Cabin Pressure Control System, Oxygen System, Ice Protection System, Engine Bleed Air System, Fuel Tank Inerting System), Application (Narrow-body Aircraft, Wide-body Aircraft, Regional Jets), and Region 2023-2028

<https://marketpublishers.com/r/CC5FCECDD9E6EN.html>

Date: June 2023

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: CC5FCECDD9E6EN

Abstracts

The global commercial aircraft air management systems market size reached US\$ 6,153.60 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 8,408.50 Million by 2028, exhibiting a growth rate (CAGR) of 5.44% during 2023-2028. The rising demand for air travel across the globe, the implementation of strict government regulations, and the introduction of advanced air filtration systems represent some of the key factors driving the market.

Commercial aircraft air management systems are responsible for regulating and maintaining a comfortable environment for passengers and crew during flights. They include cabin pressure control, thermal management, oxygen, ice protection, and engine bleed air systems. They comprise of several components, such as air conditioning units, distribution ducts, air filters, pressurization units, and ventilation systems. Commercial aircraft air management systems are widely used to regulate humidity and temperature inside the cabin, maintain pressure, control air quality, and ensure adequate oxygen supply. They aid in enhancing passenger and crew comfort, improving safety, and preventing altitude sickness, hypoxia, and other health problems. They are also highly energy-efficient systems that reduce operational costs, minimize fuel consumption and ensure a pleasant flying experience.

Commercial Aircraft Air Management Systems Market Trends:

The rising demand for air travel across the globe is one of the primary factors strengthening the market growth. Commercial aircraft air management systems are essential equipment installed on various passenger aircraft to ensure a comfortable flying experience, enhance customer satisfaction, and prevent health complications during flights. In addition to this, the widespread system demand owing to rapid fleet modernization activities by airline operators is acting as another growth-inducing factor. Furthermore, the implementation of strict government regulations to maintain quality standards of aircraft and ensure optimum safety of passengers and flight crew is providing an impetus to the market growth. Additionally, the introduction of advanced air filtration systems that utilize high-efficiency particulate air (HEPA) filters to improve air quality and remove pollutants, bacteria, and viruses is positively influencing the market growth. Apart from this, the utilization of the Internet of Things (IoT) sensors to accurately measure changes in cabin air quality and allow real-time adjustments are contributing to market growth. Moreover, the emerging trend of sustainable aviation is facilitating the demand for modern and lightweight air management systems, which improve energy efficiency, reduce fuel consumption, minimize carbon footprint, and enhance operational capabilities. Besides this, the growing system demand to prevent the spread of infectious diseases and detect potential hazards, such as smoke and fire, owing to increasing emphasis on passenger safety, is providing a thrust to the market growth. Other factors, increasing rising international travel and tourism activities, increasing investments in the research and development (R&D) of advanced systems, and the growing airline focus on passenger comfort, are anticipated to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global commercial aircraft air management systems market, along with forecasts at the global, regional, and country levels from 2023-2028. Our report has categorized the market based on system and application.

System Insights:

- Thermal Management System
- Cabin Pressure Control System
- Oxygen System
- Ice Protection System
- Engine Bleed Air System
- Fuel Tank Inerting System

The report has provided a detailed breakup and analysis of the commercial aircraft air management systems market based on the system. This includes thermal management system, cabin pressure control system, oxygen system, ice protection system, engine bleed air system, and fuel tank inerting system. According to the report, ice protection system represented the largest segment.

Application Insights:

Narrow-body Aircraft

Wide-body Aircraft

Regional Jets

A detailed breakup and analysis of the commercial aircraft air management systems market based on the application has also been provided in the report. This includes narrow-body aircraft, wide-body aircraft, and regional jets. According to the report, wide-body aircraft accounted for the largest market share.

Regional Insights:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America was the largest market for commercial aircraft air management systems. Some of the factors driving the North America commercial aircraft air management systems market included increasing travel and tourism activities, implementation of strict government regulations, and significant technological advancements.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global commercial aircraft air management systems market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include Aeronamic BV, Boyd Corporation (Goldman Sachs Group, Inc.), Cox & Company Inc, Diehl Stiftung & Co. KG, Honeywell International Inc., Parker Meggitt (Parker Hannifin Corporation), Raytheon Technologies Corporation, Safran SA, Thales Group, The Liebherr Group, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global commercial aircraft air management systems market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global commercial aircraft air management systems market?

What is the impact of each driver, restraint, and opportunity on the global commercial aircraft air management systems market?

What are the key regional markets?

Which countries represent the most attractive commercial aircraft air management systems market?

What is the breakup of the market based on the system?

Which is the most attractive system in the commercial aircraft air management systems market?

What is the breakup of the market based on the application?

Which is the most attractive application in the commercial aircraft air management systems market?

What is the competitive structure of the global commercial aircraft air management systems market?

Who are the key players/companies in the global commercial aircraft air management systems market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL COMMERCIAL AIRCRAFT AIR MANAGEMENT SYSTEMS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY SYSTEM

- 6.1 Thermal Management System
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Cabin Pressure Control System
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Oxygen System

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Ice Protection System
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Engine Bleed Air System
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast
- 6.6 Fuel Tank Inerting System
 - 6.6.1 Market Trends
 - 6.6.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Narrow-body Aircraft
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Wide-body Aircraft
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Regional Jets
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends
 - 8.2.1.2 Market Forecast
 - 8.2.2 Japan
 - 8.2.2.1 Market Trends

- 8.2.2.2 Market Forecast
- 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

9.1 Overview

9.2 Drivers

9.3 Restraints

9.4 Opportunities

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

- 13.3.1 Aeronamic BV
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
- 13.3.2 Boyd Corporation (Goldman Sachs Group, Inc.)
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
- 13.3.3 Cox & Company Inc.
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
- 13.3.4 Diehl Stiftung & Co. KG
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
- 13.3.5 Honeywell International Inc.
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
 - 13.3.5.3 Financials
 - 13.3.5.4 SWOT Analysis
- 13.3.6 Parker Meggitt (Parker Hannifin Corporation)
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
 - 13.3.6.3 SWOT Analysis
- 13.3.7 Raytheon Technologies Corporation
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.7.3 Financials
 - 13.3.7.4 SWOT Analysis
- 13.3.8 Safran SA
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
 - 13.3.8.3 Financials
 - 13.3.8.4 SWOT Analysis
- 13.3.9 Thales Group
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio
 - 13.3.9.3 Financials
 - 13.3.9.4 SWOT Analysis
- 13.3.10 The Liebherr Group
 - 13.3.10.1 Company Overview
 - 13.3.10.2 Product Portfolio

13.3.10.3 SWOT Analysis Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

List Of Tables

LIST OF TABLES

Table 1: Global: Commercial Aircraft Air Management Systems Market: Key Industry Highlights, 2022 & 2028

Table 2: Global: Commercial Aircraft Air Management Systems Market Forecast: Breakup by System (in Million US\$), 2023-2028

Table 3: Global: Commercial Aircraft Air Management Systems Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Commercial Aircraft Air Management Systems Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Commercial Aircraft Air Management Systems Market: Competitive Structure

Table 6: Global: Commercial Aircraft Air Management Systems Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Commercial Aircraft Air Management Systems Market: Major Drivers and Challenges

Figure 2: Global: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Commercial Aircraft Air Management Systems Market: Breakup by System (in %), 2022

Figure 5: Global: Commercial Aircraft Air Management Systems Market: Breakup by Application (in %), 2022

Figure 6: Global: Commercial Aircraft Air Management Systems Market: Breakup by Region (in %), 2022

Figure 7: Global: Commercial Aircraft Air Management Systems (Thermal Management System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: Commercial Aircraft Air Management Systems (Thermal Management System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 9: Global: Commercial Aircraft Air Management Systems (Cabin Pressure Control System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Commercial Aircraft Air Management Systems (Cabin Pressure Control System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Commercial Aircraft Air Management Systems (Oxygen System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Commercial Aircraft Air Management Systems (Oxygen System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Commercial Aircraft Air Management Systems (Ice Protection System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Commercial Aircraft Air Management Systems (Ice Protection System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Commercial Aircraft Air Management Systems (Engine Bleed Air System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Commercial Aircraft Air Management Systems (Engine Bleed Air System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Commercial Aircraft Air Management Systems (Fuel Tank Inerting System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Commercial Aircraft Air Management Systems (Fuel Tank Inerting

System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Commercial Aircraft Air Management Systems (Narrow-body Aircraft) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Commercial Aircraft Air Management Systems (Narrow-body Aircraft) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Commercial Aircraft Air Management Systems (Wide-body Aircraft) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Commercial Aircraft Air Management Systems (Wide-body Aircraft) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Commercial Aircraft Air Management Systems (Regional Jets) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Commercial Aircraft Air Management Systems (Regional Jets) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: North America: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: North America: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: United States: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: United States: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Canada: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Canada: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Asia-Pacific: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Asia-Pacific: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: China: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: China: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Japan: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Japan: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: India: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: India: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: South Korea: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: South Korea: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Australia: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Australia: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Indonesia: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Indonesia: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Others: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Others: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Europe: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Europe: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Germany: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Germany: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: France: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: France: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: United Kingdom: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: United Kingdom: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Italy: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Italy: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Spain: Commercial Aircraft Air Management Systems Market: Sales Value

(in Million US\$), 2017 & 2022

Figure 58: Spain: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Russia: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Russia: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Others: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Others: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Latin America: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Latin America: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Brazil: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Brazil: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Mexico: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Mexico: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Others: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Others: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Middle East and Africa: Commercial Aircraft Air Management Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Middle East and Africa: Commercial Aircraft Air Management Systems Market: Breakup by Country (in %), 2022

Figure 73: Middle East and Africa: Commercial Aircraft Air Management Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: : Global: Commercial Aircraft Air Management Systems Industry: Drivers, Restraints, and Opportunities

Figure 75: Global: Commercial Aircraft Air Management Systems Industry: Value Chain Analysis

Figure 76: Global: Commercial Aircraft Air Management Systems Industry: Porter's Five Forces Analysis

I would like to order

Product name: Commercial Aircraft Air Management Systems Market by System (Thermal Management System, Cabin Pressure Control System, Oxygen System, Ice Protection System, Engine Bleed Air System, Fuel Tank Inerting System), Application (Narrow-body Aircraft, Wide-body Aircraft, Regional Jets), and Region 2023-2028

Product link: <https://marketpublishers.com/r/CC5FCECDD9E6EN.html>

Price: US\$ 2,499.00 (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/CC5FCECDD9E6EN.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