

AI In Aviation Market Size, Share & Trends Analysis Report By Component (Software, Hardware, Service), By Deployment Mode (Cloud-Based, On-Premises, Hybrid), By Technology, By Application, By End Use, By Region, And Segment Forecasts, 2026 - 2033

<https://marketpublishers.com/r/AC688C305CECEN.html>

Date: June 2026

Pages: 135

Price: US\$ 4,950.00 (Single User License)

ID: AC688C305CECEN

Abstracts

The global AI in aviation market size was valued at USD 7.8 billion in 2025 and is projected to grow from USD 9.1 billion in 2026 to USD 35.4 billion by 2033, at a CAGR of 21.4% from 2026 to 2033. North America dominated the global AI in aviation industry with the largest revenue share of over 36% in 2025. The market growth is driven by the rising adoption of AI-powered predictive maintenance systems, the increasing need for flight safety enhancement, and the growing demand for intelligent airport automation and passenger experience solutions.

The growth of the AI in aviation industry is driven by the increasing demand for predictive maintenance, the rising adoption of AI-powered automation across airport and airline workflows, and the growing need to improve flight safety, fuel efficiency, and passenger experience. Airlines, airport operators, and aircraft manufacturers are increasingly investing in AI-enabled platforms to analyze aircraft performance data, optimize route planning, automate baggage handling, and enhance decision-making across complex aviation operations. The adoption of cloud- and edge-based AI solutions is accelerating as aviation stakeholders seek scalable intelligence frameworks and seamless integration with existing systems to improve operational reliability, reduce downtime, and support next-generation digital transformation initiatives.

The rapid growth in global air passenger traffic, the increasing need for operational efficiency, and the rising adoption of predictive analytics are accelerating the demand for AI in aviation industry. AI technologies are being integrated into flight scheduling,

route optimization, aircraft monitoring, and airport ground operations to improve decision-making. This growing reliance on intelligent automation and data-driven operational systems is significantly strengthening demand for AI-powered aviation solutions as airlines and airport operators focus on improving turnaround times, reducing fuel consumption, and enhancing fleet utilization across domestic and international aviation networks.

The increasing focus on aircraft safety and maintenance reliability, the growing deployment of AI-powered predictive maintenance platforms, and the rising demand for real-time monitoring of aircraft systems are driving the adoption of AI in aviation. Airlines providers are leveraging machine learning algorithms and sensor-based analytics to detect component wear and prevent unplanned equipment failures. The integration of AI-enabled diagnostics, automated inspection tools, and advanced aircraft health-monitoring systems enables aviation stakeholders to reduce maintenance costs, strengthen regulatory compliance, and enhance operational safety, thereby expanding the role of AI across commercial and defense aviation.

Moreover, the ongoing modernization of airport infrastructure, the increasing demand for seamless passenger experiences, and the rising implementation of intelligent airport automation are driving the adoption of AI in aviation. Airports and airline service providers are increasingly deploying AI-driven biometric verification, baggage-tracking systems, virtual assistants, and passenger flow analytics to streamline terminal operations and enhance customer engagement. The integration of computer vision and cloud-connected AI platforms is enhancing security screening, enabling faster check-in and boarding, and supporting personalized passenger services, thereby reinforcing the importance of AI technologies in the market.

Global AI In Aviation Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest technological trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the AI in aviation market report based on component, deployment mode, technology, application, end use, and region:

Component Outlook (Revenue, USD Billion, 2021 - 2033)

Software

Hardware

Services

Deployment Mode Outlook (Revenue, USD Billion, 2021 - 2033)

On-Premise

Cloud-Based

Hybrid

Technology Outlook (Revenue, USD Billion, 2021 - 2033)

Machine Learning

Natural Language Processing

Computer Vision

Predictive Analytics

Others

Application Outlook (Revenue, USD Billion, 2021 - 2033)

Flight Operations

Smart Maintenance

Passenger Experience & Customer Service

Air Traffic Management

Others

End Use Outlook (Revenue, USD Billion, 2021 - 2033)

Airlines

Airports

Aircraft Manufacturers (OEMs)

MRO Providers

Others

Regional Outlook (Revenue, USD Billion, 2021 - 2033)

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Asia Pacific

China

Japan

India

South Korea

Australia

Latin America

Brazil

Middle East and Africa (MEA)

Saudi Arabia

UAE

South Africa

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation and Scope
- 1.2. Market Definitions
 - 1.2.1. Information analysis
 - 1.2.2. Market formulation & data visualization
 - 1.2.3. Data validation & publishing
- 1.3. Research Scope and Assumptions
 - 1.3.1. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
- 2.3. Competitive Insights

CHAPTER 3. AI IN AVIATION MARKET VARIABLES, TRENDS, & SCOPE

- 3.1. Market Lineage Outlook
- 3.2. Market Dynamics
 - 3.2.1. Market Driver Analysis
 - 3.2.2. Market Restraint Analysis
 - 3.2.3. Industry Challenge
- 3.3. AI in Aviation Market Analysis Tools
 - 3.3.1. Industry Analysis - Porter's
 - 3.3.1.1. Bargaining power of the suppliers
 - 3.3.1.2. Bargaining power of the buyers
 - 3.3.1.3. Threats of substitution
 - 3.3.1.4. Threats from new entrants
 - 3.3.1.5. Competitive rivalry
 - 3.3.2. PESTEL Analysis
 - 3.3.2.1. Political landscape
 - 3.3.2.2. Economic landscape
 - 3.3.2.3. Social landscape
 - 3.3.2.4. Technological landscape
 - 3.3.2.5. Environmental landscape
 - 3.3.2.6. Legal landscape

CHAPTER 4. AI IN AVIATION MARKET: COMPONENT ESTIMATES & TREND ANALYSIS

4.1. Segment Dashboard

4.2. AI in Aviation Market: Component Movement Analysis, 2025 & 2033 (USD Billion)

4.3. Hardware

4.3.1. Hardware Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

4.4. Software

4.4.1. Software Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

4.5. Services

4.5.1. Services Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

CHAPTER 5. AI IN AVIATION MARKET: DEPLOYMENT MODE ESTIMATES & TREND ANALYSIS

5.1. Segment Dashboard

5.2. AI in Aviation Market: Deployment Mode Movement Analysis, 2025 & 2033 (USD Billion)

5.3. On-Premise

5.3.1. On-Premise Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

5.4. Cloud-Based

5.4.1. Cloud-Based Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

5.5. Hybrid

5.5.1. Hybrid Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

CHAPTER 6. AI IN AVIATION MARKET: TECHNOLOGY ESTIMATES & TREND ANALYSIS

6.1. Segment Dashboard

6.2. AI in Aviation Market: Technology Movement Analysis, 2025 & 2033 (USD Billion)

6.3. Machine Learning

6.3.1. Machine Learning Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

6.4. Natural Language Processing

6.4.1. Natural Language Processing Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

6.5. Computer Vision

6.5.1. Computer Vision Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

6.6. Predictive Analytics

6.6.1. Predictive Analytics Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

6.7. Others

6.7.1. Others Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

CHAPTER 7. AI IN AVIATION MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

7.1. Segment Dashboard

7.2. AI in Aviation Market: Application Movement Analysis, 2025 & 2033 (USD Billion)

7.3. Flight Operations

7.3.1. Flight Operations Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

7.4. Smart Maintenance

7.4.1. Smart Maintenance Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

7.5. Passenger Experience & Customer Service

7.5.1. Passenger Experience & Customer Service Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

7.6. Air Traffic Management

7.6.1. Air Traffic Management Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

7.7. Others

7.7.1. Others Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

CHAPTER 8. AI IN AVIATION MARKET: END USE ESTIMATES & TREND ANALYSIS

8.1. Segment Dashboard

8.2. AI in Aviation Market: End Use Movement Analysis, 2025 & 2033 (USD Billion)

8.3. Airlines

8.3.1. Airlines Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

8.4. Airports

8.4.1. Airports Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

8.5. Aircraft Manufacturers (OEMs)

8.5.1. Aircraft Manufacturers (OEMs) Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

8.6. MRO Providers

8.6.1. MRO Providers Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

8.7. Others

8.7.1. Others Market Revenue Estimates and Forecasts, 2021 - 2033 (USD Billion)

CHAPTER 9. REGIONAL ESTIMATES & TREND ANALYSIS

9.1. AI in Aviation Market by Region, 2025 & 2033 (USD Billion)

9.2. North America

9.2.1. North America AI in Aviation Market Estimates & Forecasts, 2021 - 2033, (USD Billion)

9.2.2. U.S.

9.2.2.1. U.S. AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.2.3. Canada

9.2.3.1. Canada AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.2.4. Mexico

9.2.4.1. Mexico AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.3. Europe

9.3.1. Europe AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.3.2. UK

9.3.2.1. UK AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.3.3. Germany

9.3.3.1. Germany AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.3.4. France

9.3.4.1. France AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.4. Asia Pacific

9.4.1. Asia Pacific AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.4.2. China

9.4.2.1. China AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

Billion)

9.4.3. Japan

9.4.3.1. Japan AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.4.4. India

9.4.4.1. India AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.4.5. South Korea

9.4.5.1. South Korea AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.4.6. Australia

9.4.6.1. Australia AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.5. Latin America

9.5.1. Latin America AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.5.2. Brazil

9.5.2.1. Brazil AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.6. Middle East and Africa

9.6.1. Middle East and Africa AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.6.2. Saudi Arabia

9.6.2.1. Saudi Arabia AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.6.3. UAE

9.6.3.1. UAE AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

9.6.4. South Africa

9.6.4.1. South Africa AI in Aviation Market Estimates and Forecasts, 2021 - 2033 (USD Billion)

CHAPTER 10. COMPETITIVE LANDSCAPE

10.1. Company Categorization

10.2. Company Market Positioning

10.3. Company Heat Map Analysis

10.4. Company Profiles/Listing

10.4.1. Boeing Company

- 10.4.1.1. Participant's Overview
- 10.4.1.2. Financial Performance
- 10.4.1.3. Service Benchmarking
- 10.4.1.4. Strategic Initiatives
- 10.4.2. Airbus SE
 - 10.4.2.1. Participant's Overview
 - 10.4.2.2. Financial Performance
 - 10.4.2.3. Service Benchmarking
 - 10.4.2.4. Strategic Initiatives
- 10.4.3. Lockheed Martin Corporation
 - 10.4.3.1. Participant's Overview
 - 10.4.3.2. Financial Performance
 - 10.4.3.3. Service Benchmarking
 - 10.4.3.4. Strategic Initiatives
- 10.4.4. Thales Group
 - 10.4.4.1. Participant's Overview
 - 10.4.4.2. Financial Performance
 - 10.4.4.3. Service Benchmarking
 - 10.4.4.4. Strategic Initiatives
- 10.4.5. General Electric
 - 10.4.5.1. Participant's Overview
 - 10.4.5.2. Financial Performance
 - 10.4.5.3. Service Benchmarking
 - 10.4.5.4. Strategic Initiatives
- 10.4.6. Northrop Grumman
 - 10.4.6.1. Participant's Overview
 - 10.4.6.2. Financial Performance
 - 10.4.6.3. Service Benchmarking
 - 10.4.6.4. Strategic Initiatives
- 10.4.7. Honeywell International Inc.
 - 10.4.7.1. Participant's Overview
 - 10.4.7.2. Financial Performance
 - 10.4.7.3. Service Benchmarking
 - 10.4.7.4. Strategic Initiatives
- 10.4.8. IBM Corporation
 - 10.4.8.1. Participant's Overview
 - 10.4.8.2. Financial Performance
 - 10.4.8.3. Service Benchmarking
 - 10.4.8.4. Strategic Initiatives

- 10.4.9. Microsoft Corporation
 - 10.4.9.1. Participant's Overview
 - 10.4.9.2. Financial Performance
 - 10.4.9.3. Service Benchmarking
 - 10.4.9.4. Strategic Initiatives
- 10.4.10. Amazon Web Services, Inc.
 - 10.4.10.1. Participant's Overview
 - 10.4.10.2. Financial Performance
 - 10.4.10.3. Service Benchmarking
 - 10.4.10.4. Strategic Initiatives
- 10.4.11. Garmin Ltd.
 - 10.4.11.1. Participant's Overview
 - 10.4.11.2. Financial Performance
 - 10.4.11.3. Service Benchmarking
 - 10.4.11.4. Strategic Initiatives
- 10.4.12. Lufthansa Technik
 - 10.4.12.1. Participant's Overview
 - 10.4.12.2. Financial Performance
 - 10.4.12.3. Service Benchmarking
 - 10.4.12.4. Strategic Initiatives

List Of Tables

LIST OF TABLES

Table 1 AI in aviation market size estimates & forecasts 2021 - 2033 (USD Billion)
Table 2 AI in aviation market, by component 2021 - 2033 (USD Billion)
Table 3 AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)
Table 4 AI in aviation market, by technology 2021 - 2033 (USD Billion)
Table 5 AI in aviation market, by application 2021 - 2033 (USD Billion)
Table 6 AI in aviation market, by end use 2021 - 2033 (USD Billion)
Table 7 Hardware market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 8 Software market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 9 Services market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 10 Cloud-based market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 11 On-premises market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 12 Hybrid market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 13 Machine learning market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 14 Natural language processing market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 15 Computer vision market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 16 Predictive analytics market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 17 Others market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 18 Flight operations market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 19 Smart maintenance market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 20 Passenger experience & customer service market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 21 Air traffic management market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 22 Others market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 23 Airlines market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 24 Airports market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 25 Aircraft manufacturers (OEMs) market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 26 MRO providers market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 27 Others market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 28 North America AI in aviation market, by component 2021 - 2033 USD Billion)
Table 29 North America AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)
Table 30 North America AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 31 North America AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 32 North America AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 33 U.S. AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 34 U.S. AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 35 U.S. AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 36 U.S. AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 37 U.S. AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 38 Canada AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 39 Canada AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 40 Canada AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 41 Canada AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 42 Canada AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 43 Mexico AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 44 Mexico AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 45 Mexico AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 46 Mexico AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 47 Mexico AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 48 Europe AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 49 Europe AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 50 Europe AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 51 Europe AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 52 Europe AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 53 U.K AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 54 UK AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 55 UK AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 56 UK AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 57 UK AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 58 Germany AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 59 Germany AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 60 Germany AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 61 Germany AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 62 Germany AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 63 France AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 64 France AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 65 France AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 66 France AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 67 France AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 68 Asia Pacific AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 69 Asia Pacific AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Billion)

Table 70 Asia Pacific AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 71 Asia Pacific AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 72 Asia Pacific AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 73 China AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 74 China AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 75 China AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 76 China AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 77 China AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 78 Japan AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 79 Japan AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 80 Japan AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 81 Japan AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 82 Japan AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 83 India AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 84 India AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 85 India AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 86 India AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 87 India AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 88 South Korea AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 89 South Korea AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 90 South Korea AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 91 South Korea AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 92 South Korea AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 93 Australia AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 94 Australia AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 95 Australia AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 96 Australia AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 97 Australia AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 98 Latin America AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 99 Latin America AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 100 Latin America AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 101 Latin Amrtica AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 102 Latin America AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 103 Brazil AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 104 Brazil AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 105 Brazil AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 106 Brazil AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 107 Brazil AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 108 Middle East & Africa AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 109 Middle East & Africa AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 110 Middle East & Africa AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 111 Middle East & Africa AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 112 Middle East & Africa AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 113 Saudi Arabia AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 114 Saudi Arabia AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 115 Saudi Arabia AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 116 Saudi Arabia AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 117 Saudi Arabia AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 118 UAE AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 119 UAE AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 120 UAE AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 121 UAE AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 122 UAE AI in aviation market, by end use 2021 - 2033 (USD Billion)

Table 123 South Africa AI in aviation market, by component 2021 - 2033 (USD Billion)

Table 124 South Africa AI in aviation market, by deployment mode 2021 - 2033 (USD Billion)

Table 125 South Africa AI in aviation market, by technology 2021 - 2033 (USD Billion)

Table 126 South Africa AI in aviation market, by application 2021 - 2033 (USD Billion)

Table 127 South Africa AI in aviation market, by end use 2021 - 2033 (USD Billion)

List Of Figures

LIST OF FIGURES

- Fig. 1 AI in aviation market segmentation
- Fig. 2 Information procurement
- Fig. 3 Data analysis models
- Fig. 4 Market formulation and validation
- Fig. 5 Data validating & publishing
- Fig. 6 AI in aviation market snapshot
- Fig. 7 AI in aviation market segment snapshot
- Fig. 8 AI in aviation market competitive landscape snapshot
- Fig. 9 Market research process
- Fig. 10 Market driver relevance analysis (current & future impact)
- Fig. 11 Market restraint relevance analysis (current & future impact)
- Fig. 12 AI in aviation market, by component, key takeaways
- Fig. 13 AI in aviation market, by component, market share, 2025 & 2033
- Fig. 14 Hardware market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 15 Software market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 16 Services market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 17 AI in aviation market, by deployment mode, key takeaways
- Fig. 18 AI in aviation market, by deployment mode, market share, 2025 & 2033
- Fig. 19 On-premise market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 20 Cloud-based market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 21 Hybrid market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 22 AI in aviation market, by technology, key takeaways
- Fig. 23 AI in aviation market, by technology, market share, 2025 & 2033
- Fig. 24 Machine learning market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 25 Natural language processing market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 26 Computer vision market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 27 Predictive analytics market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 28 Others market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 29 AI in aviation market, by application, key takeaways
- Fig. 30 AI in aviation market, by application, market share, 2025 & 2033
- Fig. 31 Flight operations market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 32 Smart maintenance market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 33 Passenger experience & customer service market estimates & forecasts, 2021 - 2033 (USD Billion)

- Fig. 34 Air traffic management market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 35 Others market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 36 AI in aviation market, by end use, key takeaways
- Fig. 37 AI in aviation market, by end use, market share, 2025 & 2033
- Fig. 38 Airlines market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 39 Airports market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 40 Aircraft manufacturers (OEMs) market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 41 MRO providers market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 42 Others market estimates & forecasts, 2021 - 2033 (USD Billion)
- Fig. 43 Regional marketplace: key takeaways
- Fig. 44 North America AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 45 U.S. AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 46 Canada AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 47 Mexico AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 48 Europe AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 49 UK AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 50 Germany AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 51 France AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 52 Asia Pacific AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 53 China AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 54 Japan AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 55 India AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 56 South Korea AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 57 Australia AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 58 Latin America AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 59 Brazil AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 60 Middle East & Africa AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 61 Saudi Arabia AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 62 UAE AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 63 South Africa AI in aviation market estimates & forecast, 2021 - 2033 (USD Billion)
- Fig. 64 Key company categorization

Fig. 65 Strategy framework

I would like to order

Product name: AI In Aviation Market Size, Share & Trends Analysis Report By Component (Software, Hardware, Service), By Deployment Mode (Cloud-Based, On-Premises, Hybrid), By Technology, By Application, By End Use, By Region, And Segment Forecasts, 2026 - 2033

Product link: <https://marketpublishers.com/r/AC688C305CECEN.html>

Price: US\$ 4,950.00 (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/AC688C305CECEN.html>