

Middle East & Africa Flight Planning Software Market Report (2021–2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

<https://marketpublishers.com/r/M963F7FC84A7EN.html>

Date: August 2025

Pages: 165

Price: US\$ 3,450.00 (Single User License)

ID: M963F7FC84A7EN

Abstracts

The flight planning software market in the Middle East and Africa was valued at approximately US\$ 73.65 million in 2023 and is projected to grow to US\$ 109.83 million by 2031, reflecting a compound annual growth rate (CAGR) of 5.1% during the forecast period.

A significant driver of this market growth is the increasing integration of Artificial Intelligence (AI) in flight management operations, including flight planning, route optimization, and scheduling. Although AI-supported flight planning systems are still in the early stages of development, they have the potential to transform traditional flight planning processes. The introduction of AI technologies is enabling automation of various tasks, predictive analytics, and providing valuable recommendations to pilots and dispatchers, leading to more efficient and safer flight operations. This adaptability allows airlines to respond swiftly to changing conditions and enhance real-time flight planning.

AI applications are crucial for creating an efficient and sustainable air transport system. Airlines worldwide are increasingly adopting AI systems to optimize flight routes. Major airlines such as United Airlines, Delta Airlines, Alaska Airlines, and American Airlines have begun utilizing AI-integrated software for their flight management operations. The ongoing advancements in AI technology are expected to lead to innovative applications that will further enhance flight planning operations, improving efficiency and effectiveness.

In the Middle East, particularly in the UAE, there is a strong push towards industrialization, which is driving the adoption of modern technologies and contributing

to economic growth. The rise in air traffic, fueled by increased trade and a growing number of international passengers, is prompting airport facilities to expand their capacities. For instance, the Sharjah Airport Authority has initiated the New Sharjah International Airport Expansion project, set to be completed by 2027, with the goal of accommodating 20 million passengers. This expansion is expected to increase the demand for flight management solutions, including flight planning software, which assists pilots in optimizing routes, managing fuel consumption, and forecasting weather conditions.

According to the International Trade Administration (ITA), Emirates Airlines operated a fleet of 120 Airbus A380-800s, 124 Boeing 777-300ERs, and 10 Boeing 777-200LRs in 2023. Similarly, Etihad Airways had 79 aircraft, including 39 Boeing 787s and 19 Airbus A320s. The expansion of fleets by airlines like Emirates and Etihad, which are in discussions with Boeing and Airbus for new aircraft orders, is expected to further drive the demand for flight planning software. For example, in November 2023, Emirates placed an order for 95 additional wide-body aircraft from Boeing, valued at US\$ 52 billion. This growth in aircraft fleets will likely increase the need for advanced flight planning software to optimize routes, travel times, and fuel efficiency, thereby supporting market growth.

The Middle East and Africa flight planning software market can be segmented by deployment, application, component, and country.

1. **Deployment:** The market is divided into cloud-based and on-premise solutions, with the cloud segment holding a larger share in 2023.
2. **Component:** The market is categorized into software and services, where the software segment also dominated in 2023.
3. **Application:** The applications include logistics and cargo, airport operations, private airlines, commercial airlines, flight schools and training centers, and military & defense, with commercial airlines representing the largest segment in 2023.
4. **Country:** The market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of the Middle East & Africa, with the UAE leading the market share in 2023.

Key players in the Middle East and Africa flight planning software market include CAE Inc., Collins Aerospace, NAV Flight Services LLC, Jeppesen Sanderson, Inc., Sabre Corp, NAVBLUE, FSS GmbH, Laminaar Aviation Infotech Pte Ltd, Chetu Inc., AIMS

INTL DWC LLC, eTT Aviation, ForeFlight LLC, Amadeus IT Group SA, Universal Weather and Aviation, Inc., Airsupport A/S, Deutsche Lufthansa AG, and RocketRoute Ltd. These companies are at the forefront of providing innovative flight planning solutions that cater to the evolving needs of the aviation industry.

Contents

1. INTRODUCTION

- 1.1 Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Secondary Research
- 3.2 Primary Research
 - 3.2.1 Hypothesis formulation:
 - 3.2.2 Macroeconomic factor analysis:
 - 3.2.3 Developing base number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country-level data:
- 3.3 Assumptions and Limitations

4. MIDDLE EAST & AFRICA FLIGHT PLANNING SOFTWARE MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Ecosystem Analysis
- 4.3 List of Vendors in the Value Chain

5. MIDDLE EAST & AFRICA FLIGHT PLANNING SOFTWARE MARKET - KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Orders and Deliveries of Narrow Body Aircraft
 - 5.1.2 Rising Deliveries of General Aviation Aircraft and Helicopters
- 5.2 Market Restraints
 - 5.2.1 Rising Instances of Cyberattacks on Aviation Sector
- 5.3 Market Opportunities

- 5.3.1 Increasing Global Aircraft Fleet Size and Air Traffic Growth
- 5.3.2 Growing Investments in Military Infrastructure Development and Fleet Expansion
- 5.4 Future Trends
 - 5.4.1 Rise in Adoption of Artificial Intelligence (AI) in Flight Management Operations
- 5.5 Impact of Drivers and Restraints:

6. FLIGHT PLANNING SOFTWARE MARKET - MIDDLE EAST & AFRICA ANALYSIS

- 6.1 Middle East & Africa Flight Planning Software Market Revenue (US\$ Million), 2021-2031
- 6.2 Middle East & Africa Flight Planning Software Market Forecast Analysis

7. MIDDLE EAST & AFRICA FLIGHT PLANNING SOFTWARE MARKET ANALYSIS - BY COMPONENT

- 7.1 Software
 - 7.1.1 Overview
 - 7.1.2 Software: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- 7.2 Services
 - 7.2.1 Overview
 - 7.2.2 Services: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8. MIDDLE EAST & AFRICA FLIGHT PLANNING SOFTWARE MARKET ANALYSIS - BY DEPLOYMENT

- 8.1 Cloud
 - 8.1.1 Overview
 - 8.1.2 Cloud: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- 8.2 On-Premise
 - 8.2.1 Overview
 - 8.2.2 On-Premise: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9. MIDDLE EAST & AFRICA FLIGHT PLANNING SOFTWARE MARKET ANALYSIS - BY APPLICATION

9.1 Logistics and Cargo

9.1.1 Overview

9.1.2 Logistics and Cargo: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.2 Airport

9.2.1 Overview

9.2.2 Airport: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.3 Private Airlines

9.3.1 Overview

9.3.2 Private Airlines: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.4 Commercial Airlines

9.4.1 Overview

9.4.2 Commercial Airlines: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.5 Flight School and Training Center

9.5.1 Overview

9.5.2 Flight School and Training Center: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.6 Military and Defense

9.6.1 Overview

9.6.2 Military and Defense: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

10. MIDDLE EAST & AFRICA FLIGHT PLANNING SOFTWARE MARKET - COUNTRY ANALYSIS

10.1 Middle East & Africa

10.1.1 Middle East & Africa Flight Planning Software Market - Revenue and Forecast Analysis - by Country

10.1.1.1 Middle East & Africa Flight Planning Software Market - Revenue and Forecast Analysis - by Country

10.1.1.2 South Africa: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

10.1.1.2.1 South Africa: Middle East & Africa Flight Planning Software Market Share - by Component

10.1.1.2.2 South Africa: Middle East & Africa Flight Planning Software Market Share - by Deployment

10.1.1.2.3 South Africa: Middle East & Africa Flight Planning Software Market Share - by Application

10.1.1.3 Saudi Arabia: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

10.1.1.3.1 Saudi Arabia: Middle East & Africa Flight Planning Software Market Share - by Component

10.1.1.3.2 Saudi Arabia: Middle East & Africa Flight Planning Software Market Share - by Deployment

10.1.1.3.3 Saudi Arabia: Middle East & Africa Flight Planning Software Market Share - by Application

10.1.1.4 United Arab Emirates: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

10.1.1.4.1 United Arab Emirates: Middle East & Africa Flight Planning Software Market Share - by Component

10.1.1.4.2 United Arab Emirates: Middle East & Africa Flight Planning Software Market Share - by Deployment

10.1.1.4.3 United Arab Emirates: Middle East & Africa Flight Planning Software Market Share - by Application

10.1.1.5 Rest of Middle East & Africa: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)

10.1.1.5.1 Rest of Middle East & Africa: Middle East & Africa Flight Planning Software Market Share - by Component

10.1.1.5.2 Rest of Middle East & Africa: Middle East & Africa Flight Planning Software Market Share - by Deployment

10.1.1.5.3 Rest of Middle East & Africa: Middle East & Africa Flight Planning Software Market Share - by Application

11. COMPETITIVE LANDSCAPE

11.1 Heat Map Analysis by Key Players

11.2 Company Positioning and Concentration

12. INDUSTRY LANDSCAPE

12.1 Overview

12.2 Market Initiative

12.3 Partnerships and Collaborations

12.4 Other Developments

13. COMPANY PROFILES

13.1 CAE Inc

- 13.1.1 Key Facts
- 13.1.2 Business Description
- 13.1.3 Products and Services
- 13.1.4 Financial Overview
- 13.1.5 SWOT Analysis
- 13.1.6 Key Developments

13.2 Collins Aerospace

- 13.2.1 Key Facts
- 13.2.2 Business Description
- 13.2.3 Products and Services
- 13.2.4 Financial Overview
- 13.2.5 SWOT Analysis
- 13.2.6 Key Developments

13.3 NAV Flight Services LLC

- 13.3.1 Key Facts
- 13.3.2 Business Description
- 13.3.3 Products and Services
- 13.3.4 Financial Overview
- 13.3.5 SWOT Analysis
- 13.3.6 Key Developments

13.4 Jeppesen Sanderson, Inc.

- 13.4.1 Key Facts
- 13.4.2 Business Description
- 13.4.3 Products and Services
- 13.4.4 Financial Overview
- 13.4.5 SWOT Analysis
- 13.4.6 Key Developments

13.5 Sabre Corp

- 13.5.1 Key Facts
- 13.5.2 Business Description
- 13.5.3 Products and Services
- 13.5.4 Financial Overview
- 13.5.5 SWOT Analysis
- 13.5.6 Key Developments

13.6 NAVBLUE

- 13.6.1 Key Facts

- 13.6.2 Business Description
- 13.6.3 Products and Services
- 13.6.4 Financial Overview
- 13.6.5 SWOT Analysis
- 13.6.6 Key Developments
- 13.7 FSS GmbH
 - 13.7.1 Key Facts
 - 13.7.2 Business Description
 - 13.7.3 Products and Services
 - 13.7.4 Financial Overview
 - 13.7.5 SWOT Analysis
 - 13.7.6 Key Developments
- 13.8 Laminaar Aviation Infotech Pte Ltd
 - 13.8.1 Key Facts
 - 13.8.2 Business Description
 - 13.8.3 Products and Services
 - 13.8.4 Financial Overview
 - 13.8.5 SWOT Analysis
 - 13.8.6 Key Developments
- 13.9 Chetu Inc
 - 13.9.1 Key Facts
 - 13.9.2 Business Description
 - 13.9.3 Products and Services
 - 13.9.4 Financial Overview
 - 13.9.5 SWOT Analysis
 - 13.9.6 Key Developments
- 13.10 AIMS INTL DWC LLC
 - 13.10.1 Key Facts
 - 13.10.2 Business Description
 - 13.10.3 Products and Services
 - 13.10.4 Financial Overview
 - 13.10.5 SWOT Analysis
 - 13.10.6 Key Developments
- 13.11 eTT Aviation
 - 13.11.1 Key Facts
 - 13.11.2 Business Description
 - 13.11.3 Products and Services
 - 13.11.4 Financial Overview
 - 13.11.5 SWOT Analysis

- 13.11.6 Key Developments
- 13.12 ForeFlight LLC
 - 13.12.1 Key Facts
 - 13.12.2 Business Description
 - 13.12.3 Products and Services
 - 13.12.4 Financial Overview
 - 13.12.5 SWOT Analysis
 - 13.12.6 Key Developments
- 13.13 Amadeus IT Group SA
 - 13.13.1 Key Facts
 - 13.13.2 Business Description
 - 13.13.3 Products and Services
 - 13.13.4 Financial Overview
 - 13.13.5 SWOT Analysis
 - 13.13.6 Key Developments
- 13.14 Universal Weather and Aviation, Inc.
 - 13.14.1 Key Facts
 - 13.14.2 Business Description
 - 13.14.3 Products and Services
 - 13.14.4 Financial Overview
 - 13.14.5 SWOT Analysis
 - 13.14.6 Key Developments
- 13.15 Airsupport A/S
 - 13.15.1 Key Facts
 - 13.15.2 Business Description
 - 13.15.3 Products and Services
 - 13.15.4 Financial Overview
 - 13.15.5 SWOT Analysis
 - 13.15.6 Key Developments
- 13.16 Deutsche Lufthansa AG
 - 13.16.1 Key Facts
 - 13.16.2 Business Description
 - 13.16.3 Products and Services
 - 13.16.4 Financial Overview
 - 13.16.5 SWOT Analysis
 - 13.16.6 Key Developments
- 13.17 RocketRoute Ltd.
 - 13.17.1 Key Facts
 - 13.17.2 Business Description

- 13.17.3 Products and Services
- 13.17.4 Financial Overview
- 13.17.5 SWOT Analysis
- 13.17.6 Key Developments

14. APPENDIX

- 14.1 About Us
- 14.2 List of Abbreviations

List Of Tables

LIST OF TABLES

- Table 1. Middle East & Africa Flight Planning Software Market Segmentation
- Table 2. List of Vendors
- Table 3. Aircraft Orders and Deliveries, by Boeing and Airbus, 2020 and 2023
- Table 4. Military Expenditure of Major Countries (2020-2023)
- Table 5. Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Table 6. Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Component
- Table 7. Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Deployment
- Table 8. Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Application
- Table 9. Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Country
- Table 10. South Africa: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Component
- Table 11. South Africa: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Deployment
- Table 12. South Africa: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Application
- Table 13. Saudi Arabia: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Component
- Table 14. Saudi Arabia: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Deployment
- Table 15. Saudi Arabia: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Application
- Table 16. United Arab Emirates: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Component
- Table 17. United Arab Emirates: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Deployment
- Table 18. United Arab Emirates: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Application
- Table 19. Rest of Middle East & Africa: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Component
- Table 20. Rest of Middle East & Africa: Middle East & Africa Flight Planning Software

Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Deployment

Table 21. Rest of Middle East & Africa: Middle East & Africa Flight Planning Software

Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Application

Table 22. List of Abbreviations

List Of Figures

LIST OF FIGURES

- Figure 1. Middle East & Africa Flight Planning Software Market Segmentation - Country
- Figure 2. Middle East & Africa Flight Planning Software Market - Key Market Dynamics
- Figure 3. Impact Analysis of Drivers and Restraints
- Figure 4. Middle East & Africa Flight Planning Software Market Revenue (US\$ Million), 2021-2031
- Figure 5. Middle East & Africa Flight Planning Software Market Share (%) - by Component (2023 and 2031)
- Figure 6. Software: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 7. Services: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 8. Middle East & Africa Flight Planning Software Market Share (%) - by Deployment (2023 and 2031)
- Figure 9. Cloud: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 10. On-Premise: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 11. Middle East & Africa Flight Planning Software Market Share (%) - by Application (2023 and 2031)
- Figure 12. Logistics and Cargo: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 13. Airport: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 14. Private Airlines: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 15. Commercial Airlines: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 16. Flight School and Training Center: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 17. Military and Defense: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021-2031 (US\$ Million)
- Figure 18. Middle East & Africa Flight Planning Software Market Breakdown, by Key Countries, 2023 and 2031 (%)
- Figure 19. South Africa: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 20. Saudi Arabia: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 21. United Arab Emirates: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 22. Rest of Middle East & Africa: Middle East & Africa Flight Planning Software Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 23. Heat Map Analysis by Key Players

Figure 24. Company Positioning and Concentration

I would like to order

Product name: Middle East & Africa Flight Planning Software Market Report (2021–2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

Product link: <https://marketpublishers.com/r/M963F7FC84A7EN.html>

Price: US\$ 3,450.00 (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/M963F7FC84A7EN.html>