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Global Aviation MRO Software Market Size Study, by Solution (Software, Services), by Function (Maintenance Management, Operations Management, Business Management, Electronic Flightbag & Logbook Management), by Point of Sale (Subscription, Ownership), by Deployment Type (On-premise, Cloud), by End-use (Airline Operators, MROs, OEMs) and Regional Forecasts 2022-2032

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Abstracts

Global Aviation MRO Software Market is valued at approximately USD 7.32 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.2% over the forecast period 2024-2032. Aviation MRO software enables condition-based maintenance support and predictive maintenance analysis, providing software-as-a-service solutions to OEMs, airline operators, and MROs. This software encompasses extensive management, database, and modules for business, maintenance, electronic flight bag & logbook, and operations, which can be deployed on-premise or via a cloud-based platform.

Technological advancements in commercial and military aviation represent a significant market driver. The aviation industry has increasingly adopted connected and data-driven ground-based MRO systems for predictive maintenance, tracking, and efficient MRO operations. Utilizing aviation MRO software, aviation analytics, and digital twin technologies, the market is poised for robust growth. The Aviation Digital Twin allows end-users to perform various MRO functions using virtual aircraft models, enhancing predictive maintenance tracking. Additionally, IoT enables the collection of location and sensor-recorded data, facilitating comprehensive aviation analytics. Although the

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pandemic caused a significant reduction in maintenance demand due to grounded aircraft, the anticipated growth in post-pandemic aircraft deliveries and resumed airport operations are expected to boost the aviation MRO software market. Moreover, the expansion of air fleets, increase in post-pandemic travel activities and adoption of emerging technologies present various lucrative opportunities over the forecast years. However, the high cost of research and development, as well as the complexity of design and development are challenging the market growth throughout the forecast period of 2024-2032.

The key regions considered for the Global Aviation MRO Software Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is a dominating region in the Global Aviation MRO Software Market in terms of revenue. The market growth in the region is being attributed to factors including advanced technological infrastructure, the presence of major aviation companies, and a high rate of adoption of digital solutions in the aviation industry. The region is home to several key players who invest significantly in R&D to enhance MRO software capabilities, driving growth and innovation. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by the increasing air passenger traffic, the expansion of the aviation industry, and the rise in low-cost carriers across countries like China and India. The region is witnessing significant investments in aviation infrastructure and a growing focus on optimizing operational efficiency, which drives the adoption of advanced MRO software solutions.

Major market players included in this report are:
AeroSoft Systems Inc.
ATP Inc.
Aviation Intertec Services Inc.
CAMP Systems International Inc.
Communications Software (Airline Systems) Limited
HCL Technologies Limited
IBS Software Pvt. Ltd.
IFS AB
Jet Support Services Inc.
Oracle Corporation
Ramco Systems Limited
Rusada Group SA
SAP SE
Swiss AviationSoftware Ltd.
The Boeing Company

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The detailed segments and sub-segments of the market are explained below:
By Solution
Software
Services

By Function
Maintenance Management
Operations Management
Business Management
Electronic Flightbag & Logbook Management

By Point of Sale
Subscription
Ownership

By Deployment Type
On-premise
Cloud

By End-use
Airline Operators
MROs
OEMs

By Region:
North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific

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China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico

Middle East & Africa
Saudi Arabia
South Africa
RoMEA

Years considered for the study are as follows:
Historical year – 2022
Base year – 2023
Forecast period – 2024 to 2032
Key Takeaways:
Market Estimates & Forecast for 10 years from 2022 to 2032.
Annualized revenues and regional level analysis for each market segment.
Detailed analysis of geographical landscape with Country level analysis of major regions.
Competitive landscape with information on major players in the market.
Analysis of key business strategies and recommendations on future market approach.
Analysis of competitive structure of the market.
Demand side and supply side analysis of the market.

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