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Digital MRO Market by Technology (AR/VR, Cloud Computing, 3D Printing, Robotics, AI and Big Data Analytics, Digital Twin and Simulation, Blockchain, IoT), End User (MROs, Airlines, OEMs), Application, Region - Global Forecast to 2030

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Abstracts

The digital MRO market is projected to grow from USD 0.9 billion in 2023 to USD 2.0 billion by 2030, at a CAGR of 13.0% from 2023 to 2030. The market for digital MRO is driven by various factors such as increasing adoption of software-as-a-service (SaaS) and rising need for replacing legacy aviation management information systems. However, high cost of acquisition of integrated MRO software suite and lack of a common data standard are limiting the overall growth of the market.

“Inventory Management: The second largest share in application segment in the digital MRO market in 2023”

The inventory management segment is projected to grow at second highest CAGR during the forecast period and has the second largest share of the market in 2023. The growth of this segment can be attributed to increasing demand to lower inventory expenses with better purchasing selections. The need for real-time inventory level monitoring, tracking of parts used and predictive maintenance planning is driving the inventory management segment of digital MRO market.

“Airlines: The second largest share in end user segment in the digital MRO market in 2023”

The Airlines segment is projected to have the second largest share in 2023. The increased use of sophisticated software to undertake core operations and the increased

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digitalization activities by sharing real-time data with OEMs and third-party MROs are expected to drive the market. The use of digital technologies to foresee equipment breakdowns and maintenance in advanced by utilizing modern analytics and machine learning algorithms thereby improving operational effectiveness is driving the airlines to use digital MRO solutions.

“The European region is estimated to have the second highest CAGR in the digital MRO market in the forecasted period”

Europe is estimated to account for the second largest CAGR in the digital MRO in the forecasted year. The European region for this study comprises of France, UK, Germany, Russia, Sweden, Spain, Netherlands and Rest of Europe. The increased focus to drive the digital MRO market and presence of major OEMs such as Airbus is projected to drive the growth of the digital MRO market.

The break-up of the profiles of primary participants in the digital MRO market is as follows:

By Company Type: Tier 1 - 49%; Tier 2 - 37%; and Tier 3 - 14%

By Designation: C Level Executives - 55%; Directors - 27%; and Others - 18%

By Region: North America - 32%; Europe - 33%; Asia Pacific - 25%; and Rest of the World - 10%

Major players in the digital MRO market are IFS (Sweden), IBM Corporation (US), Rusada (Switzerland). Swiss AviationSoftware (Switzerland), General Electric (US), Lufthansa Technik (Germany), and Honeywell International Inc. (US).

Research Coverage: The market study covers the digital MRO market across segments. It aims at estimating the market size and the growth potential of this market across different segments, such as platform, vertical and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key benefits of buying this report: This report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers

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for the overall digital MRO market and its subsegments. The report covers the entire ecosystem of the digital MRO industry and will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report will also help stakeholders understand the pulse of the market and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Increasing demand for predictive, prescriptive, and condition-based maintenance through data shared by connected aircraft; Growing adoption of software-as-a-service (SaaS); Rising need for replacing legacy aviation management information systems), restraints (High acquisition cost of integrated MRO software suite; Lack of common data standard), opportunities (Increasing adoption of IoT, AI, blockchain, AR, and big data analytics by MRO; Growing demand for 3D-printed parts and robotic inspection), and challenges (Compliance with stringent aviation regulations; Increasing cybersecurity concerns) influencing the growth of the digital MRO market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the digital MRO market

Market Development: Comprehensive information about lucrative markets – the report analyses the digital MRO market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the digital MRO market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like Capgemini (France), Rusada (Switzerland), Ramco Systems (India), IFS (Sweden) and Hexaware Technologies Limited (India) among others in the digital MRO market

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