

# **Global Digital MRO Market by Technology (Predictive Maintenance, AR/VR, 3D Printing, Blockchain, Artificial Intelligence, Robotics, Big Data Analytics, Digital Twin, IOT), End-User (MROs, Airlines, OEMs), Application (Inspection, Performance Monitoring, Predictive Analysis, Part Replacement, Mobility & Functionality), Regional Forecasts 2021-2027**

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## **Abstracts**

Global Digital MRO Market is valued approximately at USD 0.60 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 11.6% over the forecast period 2021-2027. Maintenance, repair, and overhaul (MRO) operations will soon be fully digitalized in civil aviation across the world. This is the driving force behind the digital MRO market. OEMs and MRO companies have a plethora of technologies at their disposal, which they have been using to improve maintenance planning and execution capabilities and asset availability at multiple tiers. Digital MRO solutions now include a wide range of augmented reality and virtual reality technologies, additive manufacturing, big data analytics, and artificial intelligence. In the digital MRO market, a variety of MRO services are gaining momentum to minimize turnaround time and significantly increase overall operational efficiency in aviation. The market is driven by growing adoption of software-as-a-service (SaaS) and rising need for replacing legacy aviation management information systems. For instance, as per Statista, in 2020, the worldwide public cloud software as a service (SaaS) market is expected to reach USD 157 billion, more than double its 2014 size. SaaS is one of the three primary categories of cloud computing, along with platform as a service (PaaS) and infrastructure as a service (IaaS). Furthermore, April 2021 - RS Components (RS) has chosen Orange Business Services as its single end-to-end managed services provider for a major transformation of RS's complete global infrastructure, digitization of its sales processes,

and cloud migration of its contact centre operations. These initiatives are an important component of RS's digital transformation, which aims to save costs, improve network capabilities, and integrate new technology. However, lack of a common data standard may impede market growth over the forecast period of 2021-2027.

During the forecast period, the digital MRO market in North America is expected to grow at the fastest rate. This increase can be attributed to the region's rising aircraft deliveries. This region is home to a huge number of large and medium MROs as well as airlines. Also expected to drive demand for digital MRO in the region is the growth in MRO services and MRO digital transformation.

Major market player included in this report are:

Swiss Aviation software

Lufthansa Technik

General Electric (Ge)

Honeywell

International Business Machines (IBM)

Ramco Systems

Hexaware

Aero Glass

Eon Reality'

Atheer Air

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Predictive Maintenance

AR/VR

3D Printing

Blockchain

Artificial Intelligence

Other

By Application:

Inspection

Performance Monitoring

Predictive Analysis

Part Replacement

Mobility & Functionality

By End use:

OEMs

Airlines

MROs

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global Digital MRO Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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