

Global Aerospace and Defense MRO Market Size Study, By Product (Engine, Airframe, Line, Components), By Application (Narrow Body Aircraft, Wide Body Aircraft, Regional Aircraft, Others), By End-Use (Commercial Aviation, Business & General Aviation, Military Aviation, Others), and Regional Forecasts 2022-2032

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Abstracts

The Global Aerospace and Defense MRO Market was valued at approximately USD 128.5 billion in 2023 and is projected to grow at a CAGR of 5.6% over the forecast period 2024-2032. The market growth is primarily driven by the increasing defense budgets across nations and the necessity for fleet modernization, particularly in military and commercial aviation sectors. As governments and private operators seek to extend the lifespan of their aircraft, Maintenance, Repair, and Overhaul (MRO) services have become critical to ensuring aircraft safety, efficiency, and regulatory compliance.

With technological advancements, the aerospace sector is witnessing a paradigm shift towards predictive and preventive maintenance, enabled by AI, IoT, and digital analytics. Predictive maintenance solutions not only minimize unexpected downtime but also enhance the operational efficiency of aging fleets. The rising complexity of next-generation aircraft, along with the increasing use of unmanned aerial vehicles (UAVs) and smart aviation systems, is further accelerating the demand for specialized MRO services.

The commercial aviation segment accounted for the largest market share in 2024, driven by the surge in global air traffic, expansion of airline fleets, and the growing need for cost-effective maintenance solutions. The increasing frequency of international and

domestic flights necessitates regular maintenance and repair services to ensure passenger safety and regulatory compliance. On the other hand, military aviation is anticipated to witness robust growth, fueled by rising geopolitical tensions and the need for defense fleet upgrades.

North America emerged as the largest regional market in 2024, owing to the presence of major aerospace OEMs, high defense expenditure, and a strong MRO ecosystem. Meanwhile, Asia Pacific is projected to witness the fastest growth over the forecast period, driven by rapid expansion of commercial airlines, increasing defense spending in countries like China and India, and growing partnerships for MRO service expansions.

Major Market Players Included in this Report:

AAR Corporation

SIA Engineering Company Ltd.

Embraer S.A.

Air France KLM Group

Raytheon Technologies Corporation

Delta Air Lines, Inc.

General Dynamics Corporation

MTU Aero Engines AG

Lufthansa Technik

Honeywell International Inc.

Spirit AeroSystems, Inc.

Turkish Technic Inc.

Bombardier

Rolls-Royce plc

Hong Kong Aircraft Engineering Company Limited

GE Aviation

Boeing

Airbus

ST Engineering

Magnetic MRO

The Detailed Segments and Sub-Segments of the Market are Explained Below:

By Product:

Engine

Airframe

Line

Components

By Application:

Narrow Body Aircraft

Wide Body Aircraft

Regional Aircraft

Others

By End-Use:

Commercial Aviation

Business & General Aviation

Military Aviation

Others

By Region:

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Asia-Pacific

China

India

Japan

Australia

Indonesia

Malaysia

Singapore

Latin America

Brazil

Argentina

Middle East & Africa (MEA)

Saudi Arabia

UAE

South Africa

Years Considered for the Study Are as Follows:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024-2032

Key Takeaways:

Global Aerospace and Defense MRO Market Size Study, By Product (Engine, Airframe, Line, Components), By Applic...

Market Estimates & Forecasts for 10 years from 2022 to 2032.

Annualized Revenue Analysis at regional and global levels.

Competitive Landscape Analysis, including major players and their market share.

Geographical Breakdown with country-level analysis for major regions.

Demand & Supply Side Analysis, evaluating key growth factors and challenges.

Investment & Strategic Recommendations for stakeholders and market participants.

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