

# **North America Aircraft Maintenance Repair Overhaul (MRO) Market By Aircraft Type (Fixed Wing Aircraft, Rotary Wing Aircraft), By Component (Engine MRO, Avionics MRO, Airframe MRO, Cabin MRO, Landing Gear MRO, Others), By End User (Commercial, Military, General Aviation), By Country, Competition Forecast & Opportunities, 2018-2030**

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## **Abstracts**

North America Aircraft Maintenance Repair Overhaul (MRO) Market is growing due to increasing trend toward aircraft fleets and maintenance industry.

Aircraft Maintenance, repair, and overhaul (MRO) services are a necessary and unavoidable component of any airline organization. A properly maintained aircraft or one of its components can assist businesses in avoiding serious threats to their sustainability. Therefore, in order to support industry growth, participants in the aviation sector concentrate primarily on developing suitable business processes and infrastructure. Globally aircraft sales have increased by 9.4% in 2021 over 2020 reaching 2646 units. Aircraft producers like Airbus and Boeing are being encouraged to improve their production levels and provide maintenance services for these aircraft by the increased demand for air travel across North America.

In North America 968 general aviation piston aircrafts sold in 2021 contributing to nearly 69% of overall piston aircraft sold globally. Also, North America turboprop aircrafts sales increased to 277 in 2021. To provide better MRO services, governments in North America are heavily investing on aviation infrastructure. Many aircraft operators are developing the airports into MRO facilities by integrating all the available resources, facilities, and warehouses in order to provide fast and high-quality services. Due to

rising costs for aircraft upgrading as per rules and regulations, and environmental concerns for the retirement of aging fleets, several engine development initiatives are being implemented.

North American nation's economic expansion has slowed down as a result of the COVID-19 outbreak. The aviation industry was significantly impacted by this economic downturn. Due to the COVID-19 pandemic, countries in North America, have greatly constrained economic activity as well as the movement of people and goods, which has slowed the expansion of the North American aviation MRO business. North America commercial activity decreased in 2020 as a result of the pandemic, but it has since increased and is expected to continue to rise in the upcoming years, according to the aviation industry.

### Increasing Demand from Aging Aircraft Fleet

The size of the aircraft fleet in North America is one of the largest in the world. With the advancement of design and manufacturing technologies, aircraft are becoming more dependable. Faster plane adoption is also being driven by airline firms' desire to utilize more fuel-efficient planes, which has increased fleet size and increased demand for used aircraft parts. Because older aircraft require greater MRO services in a shorter timeframe, the MRO market in North America is expanding. Moreover, the demand for aircraft MRO services is anticipated to be driven by the need for maintenance and repair of aircraft in developed regional markets such as North America.

### Development in Digital Technology

The aircraft MRO industry has seen a significant transformation as a result of digital technology such as IoT integration and blockchain technology. MRO specialists can use portable displays to interface with the aircraft sensors. This makes it easier for them to scan the entire aircraft system and identifies any parts that require maintenance or replacement. The operators can quickly identify the components and prepare the shipments owing to the implications of these sensors for tracking within the supply chain. Furthermore, blockchain technology is being used into the MRO sector, where it is utilized to track flight activities, regular maintenance inspections, and aircraft operational status. Owing to above technologies, the aircraft can easily undergo inspections, necessary maintenance, and repairs. This results in faster MRO service time and increasing demand in coming years.

### Rising Overall Cost of MRO Service

In the coming years, high maintenance costs are anticipated for commercial aircraft MRO. Component maintenance is a crucial aspect of the sector and occurs more frequently than other categories of maintenance work. Because of the price increases, there is now more competition in the market and less profit for the existing players. Leading industry companies are facing increased component cost, such as aircraft parts and replacement parts, as well as wages for aircraft technicians. These excessive expenditures are slowing down the expansion of the North American Aircraft MRO business.

## Market Segmentation

The North America Aircraft Maintenance Repair Overhaul (MRO) Market is segmented based on aircraft type, component, end user, by country, and competitive landscape. On the basis of aircraft type, the market is segmented into fixed wing aircraft and rotary wing aircraft. Based on component, the market is divided into engine MRO, avionics MRO, airframe MRO, cabin MRO, landing gear MRO, and others. Based on end user, the market is divided into Commercial, Military, General Aviation. On the basis of Country wise segmentation in the market is divided into United States, Mexico, Canada.

## Company Profiles

Safran SA, Lockheed Martin Corporation, GE Aviation, Delta TechOps, Rolls-Royce plc, Collins Aerospace, Bombardier Inc., Lufthansa Technik, AAR Corp., and Collins Aerospace are the key players developing advanced technologies to stay competitive in the market and enhance their product portfolio in the region to increase their customer outreach.

## Report Scope:

In this report, North America Aircraft Maintenance Repair Overhaul (MRO) Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

North America Aircraft Maintenance Repair Overhaul (MRO) Market, By Aircraft Type:

Fixed Wing Aircraft

## Rotary Wing Aircraft

North America Aircraft Maintenance Repair Overhaul (MRO) Market, By Component:

Engine MRO

Avionics MRO

Airframe MRO

Cabin MRO

Landing Gear MRO

Others

North America Aircraft Maintenance Repair Overhaul (MRO) Market, By End User:

Commercial

Military

General Aviation

North America Aircraft Maintenance Repair Overhaul (MRO) Market, By Country:

United States

Mexico

Canada

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in North America

*North America Aircraft Maintenance Repair Overhaul (MRO) Market By Aircraft Type (Fixed Wing Aircraft, Rotary...*

Aircraft MRO Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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