

Aircraft Engine MRO Market USD 34.1 at a CAGR of 5.65% by 2032 Driven by Increasing Demand for Air Travel

Aircraft Engine MRO market include the expansion of commercial and military aviation, especially in emerging economies.

NEW YORK,, TX, UNITED STATES, February 7, 2025 /EINPresswire.com/ -- Global Aircraft Engine MRO Market Outlook

<u>Aircraft Engine MRO Market Size</u> is poised for significant growth in the coming years, driven by increasing air traffic, the expanding fleet of commercial, business, and military aircraft, and rising demands for improved engine efficiency and performance. According to a comprehensive market research report, the Aircraft Engine MRO market is projected to grow from USD 21.98 billion in 2024 to USD 34.1 billion by 2032, representing a robust compound annual growth rate (CAGR) of 5.65% during the forecast period of 2024 to 2032.

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The Aircraft Engine MRO market is an essential part of the aviation industry, providing critical services that ensure the safety, reliability, and performance of aircraft engines. The market's expansion is largely attributed to the increasing number of aircraft in service globally, the growing focus on engine efficiency, and the evolving needs of airlines, military, and business aviation sectors. With air travel on the rise, the demand for engine MRO services is expected to grow exponentially, fueled by both scheduled and unscheduled maintenance activities.

The market is segmented based on several factors, including engine type, maintenance type, aircraft category, MRO service providers, engine size, and regional presence. Each of these factors contributes significantly to the overall dynamics of the Aircraft Engine MRO industry.

Key Players in the Aircraft Engine MRO Market

Several key players are driving innovation and providing high-quality MRO services in the global Aircraft Engine MRO market. Notable companies in the industry include:

Safran Aircraft Engines – A leading player in the engine MRO market, Safran Aircraft Engines

provides comprehensive MRO services for both turbofan and turboprop engines, focusing on increasing engine efficiency and reducing maintenance costs.

AMAC Aerospace – Specializing in aircraft maintenance, AMAC Aerospace offers a wide range of MRO services, including engine maintenance, for both commercial and private aircraft.

Delta TechOps – A subsidiary of Delta Air Lines, Delta TechOps provides full-service MRO solutions, including engine overhaul and repair services, to both commercial and military customers.

Guangzhou Aircraft Maintenance Engineering Co., Ltd. (GAMECO) – One of the largest MRO providers in China, GAMECO specializes in engine maintenance and component repair, catering to both domestic and international clients.

AAR – A leading provider of aviation services, AAR offers comprehensive MRO solutions, including engine repairs, component overhauls, and scheduled maintenance, with a focus on cost-effective and efficient service.

Turkish Technic – A prominent MRO service provider in Turkey, Turkish Technic offers engine repair and overhaul services, catering to a wide range of aircraft types and engines.

Air France Industries KLM Engineering & Maintenance (AFI KLM E&M) – A major player in the European MRO market, AFI KLM E&M provides a broad range of engine MRO services, including repair, overhaul, and component management.

Bombardier – Specializing in business aircraft, Bombardier offers MRO services for engines used in business aviation, focusing on reliability and performance.

Sabena Aerospace – Based in Belgium, Sabena Aerospace offers comprehensive MRO services, including engine maintenance, for both commercial and military aircraft.

Singapore Technologies Engineering (ST Engineering) – ST Engineering is a leading provider of aircraft MRO services in Asia Pacific, with a strong focus on engine maintenance, component repair, and overhaul services.

HAECO – A global MRO provider based in Hong Kong, HAECO offers a wide range of engine MRO services, including engine overhauls and component repairs.

Lufthansa Technik AG – A major player in the global MRO industry, Lufthansa Technik provides comprehensive engine maintenance services for both commercial and military aircraft.

Air India Engineering Services (AIESL) – A key player in India, AIESL provides MRO services for various engine types, with a focus on turbofan and turboprop engines.

Air Transport Services Group, Inc. – Specializing in air cargo and logistics, ATSG provides MRO services for aircraft engines and components, including scheduled and unscheduled maintenance.

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Engine Type and Maintenance Types: Key Drivers of Growth

The Aircraft Engine MRO market is segmented by engine type into turbofan engines, turboprop engines, turboshaft engines, and reciprocating engines. Among these, turbofan engines are expected to dominate the market in terms of demand and maintenance activities due to their widespread use in commercial aviation. Turbofan engines are favored for their fuel efficiency and higher thrust capabilities, making them the engine of choice for large passenger aircraft.

In terms of maintenance types, the Aircraft Engine MRO market is further divided into scheduled maintenance, unscheduled maintenance, component repair, and engine overhaul. Scheduled maintenance, such as routine inspections and repairs, is critical for ensuring the continued operational efficiency of engines. Unscheduled maintenance, on the other hand, is driven by unexpected engine failures or issues that require immediate attention. The increasing complexity of modern aircraft engines is expected to fuel the demand for both scheduled and unscheduled maintenance services.

Aircraft Category and MRO Service Providers

The market is also segmented by aircraft category into commercial aircraft, business & general aviation aircraft, and military aircraft. Commercial aircraft are expected to dominate the market due to the growing number of airlines operating globally and the continued expansion of the airline industry. Business and general aviation aircraft are also anticipated to see growth in MRO demand, driven by rising demand for private jets and regional aviation services.

The Aircraft Engine MRO market also categorizes MRO service providers into OEMs (Original Equipment Manufacturers), independent MRO providers, and airlines. OEMs, including major manufacturers such as General Electric, Rolls-Royce, and Safran Aircraft Engines, play a dominant role in providing MRO services for their respective engines. Independent MRO providers offer specialized services, including engine repairs and overhauls, often at competitive prices. Airlines also maintain their own MRO facilities to perform routine and unscheduled maintenance, reducing downtime and operating costs.

Engine Size and Regional Outlook

Another key aspect of the Aircraft Engine MRO market is the segmentation by engine size, which

includes small engines (up to 10,000 lbs thrust), medium engines (10,000 - 50,000 lbs thrust), and large engines (over 50,000 lbs thrust). The demand for MRO services for small and medium engines is expected to rise, particularly as regional airlines and business aviation companies continue to expand their fleets. However, large engines, particularly those used in wide-body commercial aircraft, are expected to drive a significant portion of the market revenue due to the high cost and complexity of maintaining these engines.

Regionally, the Aircraft Engine MRO market is categorized into North America, Europe, South America, Asia Pacific, the Middle East, and Africa. North America and Europe are expected to lead the market due to the strong presence of major airlines, aircraft manufacturers, and MRO service providers. The Asia Pacific region is anticipated to witness the highest growth, driven by the expansion of the aviation industry, increasing air traffic, and the growing number of aircraft in service across countries such as China, India, and Japan. The Middle East and Africa are also expected to see steady growth in the Aircraft Engine MRO market, with increasing investments in aviation infrastructure and rising air traffic in the region.

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The Aircraft Engine MRO market is primed for substantial growth in the coming years, with significant contributions from key players and an evolving demand for maintenance services. As airlines, aircraft manufacturers, and MRO service providers continue to innovate and invest in advanced technologies, the market is expected to reach new heights by 2032, offering numerous opportunities for industry stakeholders.

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