

Global Aircraft Oxygen System Market Size study, by Aircraft Type (Narrow Body Aircrafts, Wide Body Aircrafts, Others), by End-Use (Commercial Aviation, Military Aviation, Others), by Component (Oxygen Storage System, Oxygen Delivery System, Oxygen Mask), by System (Passenger Oxygen System, Crew Oxygen System) and Regional Forecasts 2022-2032

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Abstracts

The Global Aircraft Oxygen System Market was valued at approximately USD 2.47 billion in 2022 and is expected to exhibit a robust compound annual growth rate (CAGR) of 7.6% during the forecast period from 2024 to 2032. Aircraft oxygen systems are indispensable in maintaining passenger and crew safety at high altitudes, where oxygen levels are insufficient for human survival. These systems ensure a reliable supply of oxygen during emergencies, particularly when cabin pressure is compromised. With an emphasis on enhancing passenger safety, the aviation industry has integrated advanced oxygen systems that cater to both continuous flow and demand flow requirements. Continuous flow systems provide a steady stream of oxygen, while demand flow systems deliver oxygen only when the user inhales. These systems are designed to be fail-safe, deploying oxygen masks automatically to ensure rapid access to oxygen.

The market's growth trajectory is significantly influenced by the increasing number of passenger aircraft globally, which necessitates the integration of sophisticated oxygen systems. As the demand for air travel continues to rise, the importance of these systems becomes even more pronounced. Moreover, the aviation sector's commitment to adhering to stringent safety standards and regulations further drives the demand for advanced oxygen systems. However, the market faces challenges related to the limited

production capacity of these systems, which could impede the industry's ability to meet the growing demand. The ongoing advancements in oxygen generation and delivery technologies, coupled with innovations in materials and manufacturing processes, are expected to propel market growth in the coming years.

The key regions considered in the study include Asia Pacific, North America, Europe, Latin America, and the Middle East and Africa. North America dominated the global aircraft oxygen system market in 2022, driven by the presence of major aircraft manufacturers like Boeing and Bombardier. The region's strategic focus on maintaining a robust aviation industry, coupled with continuous investments in expanding commercial, military, and regional aircraft fleets, underscores its leading position in the market. Additionally, the demand for reliable and efficient oxygen systems in diverse aviation applications is expected to sustain North America's dominance in the foreseeable future.

Major market player included in this report are:

Precise Flight, Inc.
Aviation Oxygen Systems Inc.
Technodinamika
Adams Rite Aerospace Inc.
Rockwell Collins, Inc.
Aerox
Diehl Stiftung & Co. KG
COBHAM PLC
Safran
Essex Industries, Inc.
Technodinamika Holding
Aerox Aviation Oxygen Systems, Inc.
Summit Oxygen, Inc.
AVOX Systems Inc. (part of Safran)
Adams Rite Aerospace, Inc.

The detailed segments and sub-segment of the market are explained below:

By Aircraft Type:

Narrow Body Aircrafts
Wide Body Aircrafts
Others

By End-Use:

Commercial Aviation
Military Aviation
Others

By Component:

Oxygen Storage System
Oxygen Delivery System
Oxygen Mask

By System:

Passenger Oxygen System
Crew Oxygen System

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 Latin America

Middle East & Africa
Saudi Arabia
South Africa
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

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

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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