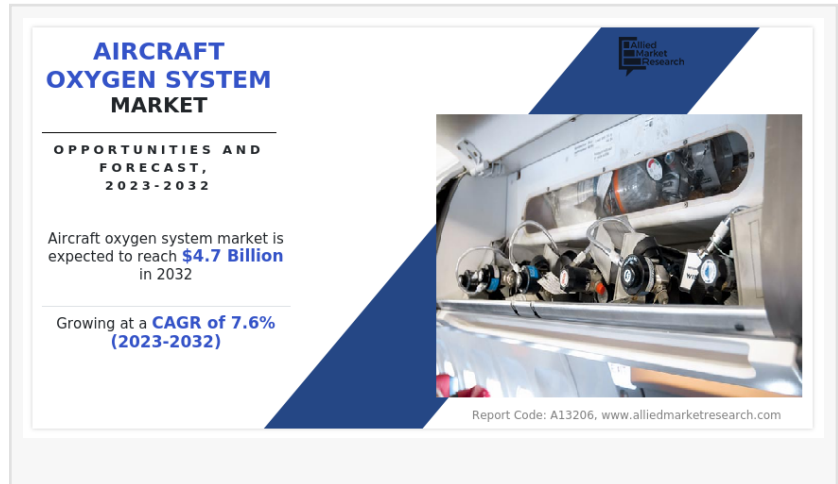


Aircraft Oxygen System Market maintains its upward trajectory, surpassing valuation of \$4.7 bn, CAGR of 7.6% by 2032

A surge in the number of passenger aircrafts, the increasing launch of new aircrafts for defense & commercial purpose, and the continual innovation & investment

WILMINGTON, DE, UNITED STATES, August 25, 2025 /EINPresswire.com/ -- [Aircraft oxygen system market size](#) generated \$2.3 billion in 2022, and is anticipated to generate \$4.7 billion by 2032, rising with a CAGR of 7.6% from 2023 to 2032.



The increasing introduction of new aircrafts for defense & commercial purpose, a surge in the number of passenger aircrafts, and the growing focus of aircraft maintenance are the factors expected to drive the growth of the global aircraft oxygen system market in the forecast period from 2023 to 2032. However, the constrained production capacity of aircraft oxygen systems and the regulatory compliance challenges may hamper the market growth in the coming future. On the contrary, the rising adoption of smart technologies in modern aircraft systems and increasing investment in aviation safety technologies are expected to offer remunerative opportunities for the expansion of the aircraft oxygen system market during the forecast period.

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The global aircraft oxygen system market is anticipated to observe progressive growth owing to increasing introduction of new aircrafts for both commercial as well as military purpose. In addition, the rising focus with respect to aircraft maintenance is also projected to boost the market growth during the forecast period.

Aircraft oxygen systems are essential in ensuring the safety of passengers and crew members at

high altitudes where oxygen levels are insufficient for normal respiration. These systems are designed to provide an auxiliary supply of oxygen, preventing hypoxia, a condition caused by oxygen deficiency. Primarily commercial aircraft utilize either a continuous flow or demand flow oxygen system. Continuous flow systems release a steady stream of oxygen, while demand flow systems deliver oxygen only when the user inhales. The oxygen supply is stored in onboard oxygen cylinders, usually filled with aviator's breathing oxygen. These cylinders are strategically located throughout the aircraft, ensuring accessibility in emergency situations. The system is activated automatically when cabin pressure falls below a certain threshold or manually by the flight crew.

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The aircraft oxygen system market share is segmented on the basis of component, system, aircraft type, end-use, and region. By component, the market is divided into oxygen storage system, oxygen delivery system, and oxygen mask. By system, the market is classified into passenger oxygen system and crew oxygen system. By aircraft type, the market is divided into narrow body aircrafts, wide body aircrafts, and others. By end-use, the market is classified into commercial aviation, military aviation, and others. By region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The aircraft oxygen system market in the North America region accounted for the largest share of 59.0% in 2022 and is predicted to continue to hold major market share by 2032. This growth is mainly owing to the notable presence of leading aircraft manufacturers, such as Boeing and Bombardier. These companies strategically position themselves, driving demand through continuous investment in expanding commercial, military, and regional aircraft fleets. This proactive approach aligns with the region's commitment to innovation in the aviation sector. The combination of established industry players, technological innovation, and ongoing investments solidifies North America's pivotal role in shaping global market demand.

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Leading Players in the Aircraft Oxygen System Market:

Adams Rite Aerospace Inc.

Diehl Stiftung & Co. KG

Aerox

Precise Flight, Inc.

Aviation Oxygen Systems Inc.

Technodinamika

Essex Industries, Inc.

Safran

Rockwell Collins, Inc.

COBHAM PLC

The report provides a detailed analysis of the key players of the global [aircraft oxygen system industry](#). These players have adopted different strategies, such as new product launches, collaborations, expansion, joint ventures, agreements, and others to increase their market share and maintain their dominance in different regions. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

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