

# Aircraft Oxygen System Market to Surpass USD 8.31 Billion by 2030, Driven by Rising Air Travel Demands

*Rising air travel demand and safety regulations propel the growth of Aircraft Oxygen System Market, driving innovation in lightweight, efficient solutions.*

AUSTIN, TEXAS, UNITED STATES, March 21, 2024 /EINPresswire.com/ -- Aircraft Oxygen System Market Overview:

The [Aircraft Oxygen System Market](#)

[is](#) witnessing steady growth, driven by factors such as the increasing demand for commercial air travel, stringent safety regulations, and the growing emphasis on passenger safety and comfort. Aircraft Oxygen System Market play a critical role in ensuring the safety of passengers and crew in the event of cabin depressurization or other emergencies. These systems provide supplemental oxygen to passengers and crew at high altitudes, where the air pressure is insufficient for normal respiration. With the aviation industry's continuous efforts to enhance safety standards and the rising number of air travelers worldwide, the demand for reliable and efficient Aircraft Oxygen System Market is expected to grow significantly.

One of the key trends shaping the Aircraft Oxygen System Market is the integration of lightweight and compact oxygen systems, which offer enhanced efficiency and performance. Manufacturers are increasingly focusing on developing oxygen systems that are lightweight, occupy less space, and are easier to install and maintain. These advancements are crucial for airlines looking to reduce aircraft weight and improve fuel efficiency. Additionally, the growing adoption of advanced materials and technologies, such as composite materials and advanced oxygen generation systems, is further driving the market's growth, enabling airlines to enhance safety standards while reducing operational costs.

Market Sizing:

The SNS Insider report indicates that the Aircraft Oxygen System Market was valued at USD 5.10



Billion in 2022 and is projected to achieve a market size of USD 8.31 Billion by 2030, with a compound annual growth rate of 6.4% expected over the forecast period from 2023 to 2030.

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## Market Report Scope

Aircraft Oxygen System Market stand as indispensable lifelines in aviation, delivering life-sustaining oxygen to passengers and crew members, especially at altitudes exceeding 12,000 feet or in critical emergencies. The human body's demand for adequate oxygen levels is pivotal for optimal functioning, prompting aircraft cabins to be pressurized, replicating a safe and habitable environment for passengers' comfort and safety.

These crucial systems comprise a spectrum of components, including oxygen storage units, delivery mechanisms, and masks, meticulously engineered to regulate and distribute oxygen efficiently as per requirements. Remarkable innovations within the industry have ushered in a new era of extremely lightweight cylinders, not only bolstering aircraft fuel efficiency but also slashing operational costs for airlines.

Moreover, the aviation sector is witnessing a notable trend towards the retirement of aging aircraft in favor of newer models, equipped with cutting-edge oxygen storage systems. These advanced systems represent a focal point for airlines aiming to elevate safety standards and align with stringent regulations. The strategic shift towards modern oxygen storage solutions not only enhances operational efficiency but also underscores the industry's unwavering commitment to ensuring the safety and well-being of all passengers and crew members.

Major Key Players Included are:

- BASA Aviation
- Ventura Aerospace
- Cobham
- Aeromedix
- Precise Flight
- Zodiac Aerospace
- Air Liquide
- Aviation Oxygen System
- Technodinamika
- B/E Aerospace, and other players

## Market Analysis

The Aircraft Oxygen System Market is experiencing significant growth, propelled by the

increasing demand for air travel on a global scale. With a growing number of passengers embarking on flights for various purposes, the necessity for dependable and efficient oxygen systems has become more critical than ever. This surge in demand has prompted remarkable advancements in technology, particularly in the production of exceptionally lightweight cylinders. These modern cylinders not only serve to reduce the overall weight of aircraft but also contribute to enhanced fuel efficiency, aligning with the aviation industry's sustainability goals.

Moreover, the market is witnessing a notable trend of airlines replacing aging aircraft with contemporary models that boast state-of-the-art oxygen storage systems. These advanced systems are designed to offer a myriad of benefits, including improved safety features, expanded storage capacities, and heightened operational efficiency. Airlines worldwide are recognizing the value of investing in these cutting-edge oxygen systems as they seek to comply with stringent safety regulations while simultaneously adapting to the evolving needs of the aviation landscape. This transformative shift towards modern oxygen storage solutions is set to revolutionize aviation safety standards and operational practices across the industry.

### Segment Analysis

Among the segments, the Passenger Oxygen System dominates the market, driven by the primary focus on passenger safety and comfort. Airlines prioritize providing a secure and conducive environment for their passengers, leading to the widespread adoption of advanced passenger oxygen systems.

In terms of components, Oxygen Storage holds the largest market share, owing to its crucial role in storing and distributing oxygen throughout the aircraft. The reliability and efficiency of oxygen storage systems are essential for ensuring the safety of passengers and crew members during flights.

By Mechanism, the Chemical Oxygen Generator segment leads the market, offering instant oxygen supply in emergency situations. These generators provide a quick and efficient solution for maintaining oxygen levels in the aircraft cabin, enhancing safety measures.

Market Segmentation & Sub-segmentation included are:

#### By System

- Passenger Oxygen System
- Crew Oxygen System

#### By Component

- Oxygen Storage
- Oxygen Delivery
- Oxygen Mask

#### By Mechanism

- Chemical Oxygen Generator

- Compressed Oxygen System

## Key Regional Development

The global Aircraft Oxygen System Market is poised for significant growth, particularly in North America and Europe. These regions boast a high concentration of leading market players, driving innovation and technological advancements in Aircraft Oxygen System Market. Additionally, the increase in air travel demand, even for shorter routes, is further propelling the need for reliable oxygen systems in aircraft.

Asia Pacific emerges as a key growth region, witnessing a surge in air travel due to rising disposable incomes, reduced flight costs, and improved connectivity. Countries such as China and India are projected to account for a substantial share of global air passengers in the coming decades, creating lucrative opportunities for market expansion.

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## Key Takeaways for Aircraft Oxygen System Market Study

- The Aircraft Oxygen System Market is forecasted to exceed USD 8.31 Billion by 2030, driven by the rising demand for air travel and advancements in oxygen system technologies.
- Passenger Oxygen Systems and Oxygen Storage components lead the market, emphasizing the importance of safety and efficiency in aviation operations.
- The Chemical Oxygen Generator mechanism holds a significant market share, offering quick and reliable oxygen supply solutions during emergencies.

## Recent Developments

- In March 2021, Cobham Mission Systems, a leading US producer of military Aircraft Oxygen System Market, secured a new contract to supply Oxygen Concentrators for the entire fleet of U.S. Navy T-45 Hawk jet trainers.

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