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Aircraft PSU Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Aircraft Type (Commercial Aircraft, Regional Aircraft, General Aviation, Military Aircraft, Helicopter), By Component Type (Cabin Oxygen System, Structural, Elements), By Sales Channel Type (BFE, SFE), By Region & Competition, 2021-2031F

https://marketpublishers.com/r/A7E440FCEC67EN.html
Date: January 2026
Pages: 180
Price: US$ 4,500.00 (Single User License)
ID: A7E440FCEC67EN

Abstracts

The Global Aircraft PSU Market is projected to expand from USD 1.89 Billion in 2025 to USD 2.86 Billion by 2031, reflecting a CAGR of 7.15%. A Passenger Service Unit comprises the overhead assembly that houses specific passenger interfaces, including reading lights, ventilation gaspers, flight attendant call systems, and emergency oxygen masks. Market momentum is primarily sustained by accelerating global commercial aircraft production rates and the need to retrofit older fleets with lighter components to enhance fuel efficiency. These factors drive manufacturers to boost output to match the strict delivery schedules of airframe original equipment manufacturers, while airlines concurrently invest in cabin upgrades to extend the service life of their current vessels.

Despite strong demand, the sector faces substantial challenges due to supply chain volatility, which limits access to specialized raw materials needed for manufacturing. This constraint often disrupts production cycles and impedes suppliers' ability to meet the intensified delivery timelines required by the recovery in global travel. According to the International Air Transport Association, total air traveler numbers were projected to hit 4.96 billion in 2024. This volume exerts significant pressure on fleet availability and maintenance schedules, meaning any delays in acquiring essential cabin units can severely hamper airlines' ability to deploy capacity effectively.

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Market Driver

The rise in new commercial aircraft deliveries serves as a major catalyst for the Global Aircraft PSU Market, as every new airframe necessitates a fully integrated overhead service assembly. Manufacturers are rapidly increasing output to satisfy heavy orders for fuel-efficient models, generating immediate volume needs for component suppliers. According to an Airbus report from January 2024 titled '2023 Commercial Aircraft Orders and Deliveries,' the company delivered 735 commercial aircraft in 2023, marking an 11 percent rise from the prior year. This production speed directly fuels the procurement of reading lights, oxygen systems, and gaspers for timely assembly, while the market is stabilized by significant forward demand; The Boeing Company reported a backlog of over 5,600 commercial airplanes in 2024, securing sustained revenue for PSU manufacturers.

Concurrently, rising demand for cabin interior retrofitting acts as a crucial driver, expanding opportunities beyond OEM production lines. Airlines are investing significantly in upgrading legacy fleets to standardize passenger experiences and incorporate modern amenities, such as LED lighting and enhanced ventilation controls. This trend enables carriers to extend the operational life of existing aircraft while satisfying shifting consumer expectations regarding cabin aesthetics. According to a May 2024 press release from Emirates, the airline expanded its modernization program to cover 191 aircraft. Such extensive refurbishment projects force PSU suppliers to strengthen their aftermarket capabilities to support widespread fleet overhauls.

Market Challenge

Supply chain volatility remains a major obstacle for the Global Aircraft Passenger Service Unit Market by limiting the availability of critical raw materials needed for component production. Suppliers often face unpredictable shortages of high-grade plastics, metals, and electronic sub-systems, causing severe bottlenecks in production cycles. This instability compels manufacturers to run inconsistent schedules that frequently fail to align with the strict assembly timelines of airframe original equipment manufacturers. As a result, the inability to source necessary inputs on time delays the final assembly of cabin interiors and postpones revenue recognition for market participants.

This disruption directly inhibits market growth by capping the volume of finished units that can be delivered and installed, despite strong operator demand. The ongoing lag in component availability stops the industry from fully benefiting from the resurgence of air

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travel, effectively limiting actual sales volume. According to the International Air Transport Association, the global backlog of commercial aircraft orders hit a record high of over 17,000 units in October 2025 due to these persistent production constraints. Such substantial delays in aircraft delivery shrink the immediate addressable market for passenger service units and generate long-term inventory planning difficulties for suppliers.

Market Trends

The integration of IoT-enabled predictive maintenance capabilities is transforming passenger service units (PSUs) from static fixtures into intelligent diagnostic hubs. Suppliers are embedding micro-sensors within overhead assemblies to monitor the real-time performance of reading lights, ventilation gaspers, and oxygen deployment systems. This connectivity allows for the continuous transmission of component status data to ground crews, enabling operators to identify and replace degrading units preemptively before they lead to in-flight service failures. This technological evolution prioritizes operational reliability by preventing technical delays and optimizing spare parts inventory management; according to the SITA '2023 Air Transport IT Insights' report from February 2024, 89 percent of airlines have prioritized major programs or R&D for aircraft maintenance digitalization to boost fleet availability.

Simultaneously, the industry is focusing on developing modular and quick-retrofit PSU designs to minimize aircraft downtime during interior refurbishments. Engineering teams are shifting from complex, integrated structures to unitary chassis architectures featuring standardized mounting rails and snap-fit electrical connectors. This structural advancement allows maintenance, repair, and overhaul (MRO) providers to rapidly swap out individual service modules or entire overhead panels, which is crucial for executing aggressive fleet modernization schedules without excessive grounding costs. This trend is highlighted by large-scale retrofit investments requiring streamlined installation processes; according to an AviTrader article from September 2024, Air India launched a modernization project worth over US$400 million to refit 67 legacy aircraft, emphasizing the market's reliance on efficient, installation-ready cabin components.

Key Market Players

Safran S.A.

RTX Corporation

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Honeywell International Inc.

Astronics Corporation

Thales S.A.

Liebherr-Aerospace Toulouse SAS

The Boeing Company

Airbus SE

GKN Aerospace

Parker-Hannifin Corporation

Report Scope

In this report, the Global Aircraft PSU Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Aircraft PSU Market, By Aircraft Type

Commercial Aircraft

Regional Aircraft

General Aviation

Military Aircraft

Helicopter

Aircraft PSU Market, By Component Type

Cabin Oxygen System

Structural

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- Australia
- South Korea

South America

- Brazil
- Argentina
- Colombia

Middle East & Africa

- South Africa
- Saudi Arabia
- UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Aircraft PSU Market.

Available Customizations:

Global Aircraft PSU Market report 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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