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Aircraft Evacuation Slide Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Aircraft Type (Narrow-body Aircraft, Wide-Body Aircraft, Regional Aircraft, Business Aircraft), By Demand Category (OEM vs Replacement), By Region & Competition, 2021-2031F

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Abstracts

The Global Aircraft Evacuation Slide Market is projected to expand from USD 1.82 Billion in 2025 to USD 2.68 Billion by 2031, reflecting a compound annual growth rate of 6.66%. Evacuation slides are mandatory inflatable safety devices installed on military and commercial aircraft to ensure the rapid and safe exit of passengers during land or water emergencies. Key growth drivers include rigorous safety regulations mandated by aviation authorities and the ongoing modernization of airline fleets to meet increasing travel demand. Data from the International Air Transport Association indicates that global passenger traffic rose by 10.4 percent in 2024 compared to the previous year, exceeding pre-pandemic levels. This strong recovery in air travel requires higher aircraft utilization rates and frequent maintenance of critical safety systems, directly fueling the demand for evacuation equipment.

Despite this positive growth trajectory, the market encounters a major obstacle regarding supply chain interruptions that impact the availability of specialized raw materials required for slide manufacturing. These logistical bottlenecks result in production delays and escalated costs for manufacturers, potentially compromising their ability to fulfill timely delivery obligations to aircraft OEMs and airline operators. Such supply chain constraints could slow the pace of market expansion if raw material shortages persist or if global logistics remain unstable.

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Market Driver

The growth of commercial aircraft fleets and the influx of new deliveries act as a primary catalyst for the aircraft evacuation slide market. As airlines work to satisfy renewed travel demand, original equipment manufacturers are ramping up production, necessitating the procurement of evacuation systems for every new airframe entering service. This direct link between aircraft production and safety equipment installation guarantees a steady flow of orders, as these critical devices must be installed prior to certification. In its 'Full Year 2023 Orders and Deliveries' press release from January 2024, Airbus reported delivering 735 commercial aircraft in 2023, highlighting the immediate need for integrated safety apparatuses. Furthermore, Boeing's 'Commercial Market Outlook 2024-2043' from July 2024 estimates a requirement for 43,975 new commercial airplane deliveries through 2043, ensuring long-term hardware demand.

Simultaneously, the increasing demand for aftermarket maintenance, repair, and overhaul services plays a significant role in market dynamics. Evacuation slides have a limited service life and are subject to strict mandatory testing schedules, requiring frequent deployment checks and repacking to meet airworthiness directives. As existing fleets age and flight cycles accumulate, the frequency of these service events increases, generating recurring revenue for component suppliers and maintenance facilities. This segment is further supported by substantial financial allocations from operators dedicated to maintaining operational integrity and regulatory compliance. The International Air Transport Association's 'Airline Industry Economic Performance' update from June 2024 projects global airline operating expenses to reach $936 billion in 2024, reflecting the heavy capital commitment needed for essential maintenance activities and safety system upkeep.

Market Challenge

Supply chain disruptions affecting the availability of specialized raw materials present a critical challenge to the Global Aircraft Evacuation Slide Market. Manufacturers rely on industrial-grade fabrics and specific inflation components to produce these mandatory safety devices. When logistical delays retard the arrival of these essential inputs, production lines stall, preventing manufacturers from adhering to strict delivery deadlines. This volatility compels companies to incur higher operational costs to expedite shipments or secure alternative sources, which effectively erodes profit margins and hinders the ability to capitalize on rising fleet modernization needs.

These material shortages have a direct impact on wider aerospace production, as

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delays in component integration halt final aircraft assembly. Since an aircraft cannot be certified for service without functional evacuation systems, shortages of slides contribute to broader fleet delivery delays. According to the International Air Transport Association, the backlog of unfulfilled commercial aircraft orders reached a record high of over 17,000 units in 2024 due to these persistent supply chain constraints. This massive volume of pending orders demonstrates how supply chain fragility limits the market from realizing its full revenue potential despite existing demand.

Market Trends

The adoption of lightweight polyether urethane materials is significantly transforming the market as airlines aggressively pursue weight reduction strategies to minimize fuel consumption. Manufacturers are shifting from traditional neoprene-coated fabrics to these advanced urethane compounds, which reduce the overall weight of evacuation systems without sacrificing durability or heat resistance. This material evolution is essential for operators aiming to meet strict sustainability targets while managing growing operational footprints. In its 'Chart of the Week - 2024 Aviation Emissions: Efficiency Gains vs. Rising Totals' from November 2025, the International Air Transport Association noted that net emissions from flight operations grew by 6.7 percent year-on-year in 2024, underscoring the urgent need for such weight-saving hardware innovations to curb environmental impact.

Concurrently, the market is witnessing a concerted effort toward extending maintenance intervals and service life cycles, driven by enhanced manufacturing quality and expanding MRO capabilities. This trend focuses on reducing aircraft downtime by prolonging the periods between mandatory slide deployments and overhauls, thereby optimizing fleet availability for commercial operators. Major component suppliers are investing heavily in specialized infrastructure to support these prolonged service regimes and ensure regulatory compliance for next-generation equipment. Aviation Week reported in September 2025 that Safran Aerosystems invested ?16 million to expand its dedicated maintenance facility in Cognac, France, directly addressing the industry's need for advanced, long-lifecycle support solutions.

Key Market Players

Collins Aerospace

Safran Aerosystems

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EAM Worldwide

Tulmar Safety Systems Inc.

Legend Aerospace

Zodiac Aerospace

Switlik Parachute Co.

Trelleborg AB

GKN Aerospace

DART Aerospace

Report Scope

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

Aircraft Evacuation Slide Market, By Aircraft Type

Narrow-body Aircraft

Wide-Body Aircraft

Regional Aircraft

Business Aircraft

Aircraft Evacuation Slide Market, By Demand Category

OEM vs Replacement

Aircraft Evacuation Slide Market, By Region

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North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

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Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

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

Available Customizations:

Global Aircraft Evacuation Slide 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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