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Aerostructures Market Size, Share & Trends Analysis Report By Platform (Commercial Aircraft, Military Aircraft, Business & General Aviation Aircraft, Advanced Air Mobility), By Component, By End-use, By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

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Aerostructures Market Size & Trends

The global aerostructures market size was estimated at USD 63.48 billion in 2023 and is expected t%li%grow at a CAGR of 7.4% from 2024 t%li%2030. The global rise in both passenger and carg%li%air travel has escalated demand for new aircraft, directly influencing the market growth. As airlines seek t%li%expand their existing fleet size with more fuel-efficient and advanced aircraft, manufacturers are pushed t%li%speed up production, benefiting suppliers of essential aerostructure components. This increase is driven by the expansion of emerging markets and the need t%li%replace older aircraft with newer, eco-friendly models, promoting sustainable aviation.

Moreover, the continuous innovation in materials science and manufacturing processes, such as the use of composite materials and 3D printing, is revolutionizing the aerostructures market. These technologies offer significant advantages, including weight reduction, enhanced durability, and lower maintenance costs, leading t%li%improved fuel efficiency and overall performance of aircraft. Adoption of such advancements allows manufacturers t%li%meet stringent regulatory standards and customer expectations, fueling the market growth.

A substantial increase in defense budgets globally is another significant market growth

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driver. Many countries are investing in the enhancement of their defense capabilities, leading t%li%a higher demand for military aircraft equipped with the latest aerostructures. This shift is particularly noticeable in regions with rising geopolitical tensions, where the modernization of air forces is a strategic priority, thus driving the market expansion.

Additionally, the trend towards outsourcing aerostructure manufacturing t%li%third-party specialists is gaining importance among aircraft OEMs. This strategy allows OEMs t%li%leverage the advanced capabilities, efficiency, and cost-effectiveness of dedicated aerostructure companies. Such collaborative partnerships enable faster production times, access t%li%specialized expertise, and focusing on core competencies, collectively driving the growth of the aerostructure market.

Furthermore, with growing concerns over environmental impact and fuel efficiency, there is a rising trend for retrofitting and upgrading existing aircraft. Implementing new aerostructure technologies in older fleets can significantly enhance their performance and extend their operational lifespan. This demand for retrofits and upgrades presents a lucrative opportunity for aerostructure manufacturers, contributing t%li%market growth as airlines look t%li%comply with evolving regulatory standards and passenger expectations, propelling the market forward.

Global Aerostructures Market Report Segmentation

This report forecasts and estimates revenue growth at the global, regional, and country levels along with analyzes the latest market trends and opportunities in each one of the sub-segments from 2018 t%li%2030. For this study, Grand View Research has further segmented the global aerostructures market report based on platform, component, end use, and region:

Platform Outlook (Revenue, USD Billion, 2018 - 2030)

Commercial Aircraft

Military Aircraft

Business and General Aviation Aircraft

Advanced Air Mobility

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Component Outlook (Revenue, USD Billion, 2018 - 2030)

Fuselages

Empennages

Nose

Wings

Flight Control Surfaces

Doors & SKIDs

Nacelles & Pylons

End-use Outlook (Revenue, USD Billion, 2018 - 2030)

OEM

Aftermarket

Regional Outlook (Revenue, USD Billion, 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

Germany

U.K.

France

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Asia Pacific

Japan

China

India

Australia

South Korea

Latin America

Brazil

Middle East and Africa (MEA)

UAE

Saudi Arabia

South Africa

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