

# **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**

This report can be delivered to the clients within 5 Business Days

### **Aerostructures Market Size & Trends**

The global aerostructures market size was estimated at USD 63.48 billion in 2023 and is expected to grow at a CAGR of 7.4% from 2024 to 2030. The global rise in both passenger and cargo air travel has escalated demand for new aircraft, directly influencing the market growth. As airlines seek to expand their existing fleet size with more fuel-efficient and advanced aircraft, manufacturers are pushed to speed up production, benefiting suppliers of essential aerostructure components. This increase is driven by the expansion of emerging markets and the need to 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 to improved fuel efficiency and overall performance of aircraft. Adoption of such advancements allows manufacturers to meet stringent regulatory standards and customer expectations, fueling the market growth.

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

driver. Many countries are investing in the enhancement of their defense capabilities, leading to 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 to third-party specialists is gaining importance among aircraft OEMs. This strategy allows OEMs to leverage the advanced capabilities, efficiency, and cost-effectiveness of dedicated aerostructure companies. Such collaborative partnerships enable faster production times, access to 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 to market growth as airlines look to 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 to 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

## 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

Asia Pacific

Japan

China

India

Australia

South Korea

Latin America

Brazil

Middle East and Africa (MEA)

UAE

Saudi Arabia

South Africa

## Contents

### **CHAPTER 1. METHODOLOGY AND SCOPE**

- 1.1. Market Segmentation & Scope
- 1.2. Market Definitions
- 1.3. Information Procurement
  - 1.3.1. Information analysis
  - 1.3.2. Market formulation & data visualization
  - 1.3.3. Data validation & publishing
- 1.4. 4 Research Scope and Assumptions
  - 1.4.1. List to Data Sources

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Aerostructures Market Snapshot
- 2.2. Aerostructures Market- Segment Snapshot (1/2)
- 2.3. Aerostructures Market- Segment Snapshot (2/2)
- 2.4. Aerostructures Market- Competitive Landscape Snapshot

### **CHAPTER 3. AEROSTRUCTURES MARKET - INDUSTRY OUTLOOK**

- 3.1. Market Overview
- 3.2. Industry Value Chain Analysis
- 3.3. Market Dynamics
  - 3.3.1. Market Driver Analysis
  - 3.3.2. Market Restraint Analysis
  - 3.3.3. Market Opportunity
- 3.4. Technology Landscape
- 3.5. Industry Analysis Tools
  - 3.5.1. Porter's analysis
  - 3.5.2. Macroeconomic analysis

### **CHAPTER 4. AEROSTRUCTURES MARKET: PLATFORM ESTIMATES & TREND ANALYSIS**

- 4.1. Platform Movement Analysis & Market Share, 2023 & 2030
- 4.2. Aerostructures Market Estimates & Forecast, By Platform (USD Billion)
  - 4.2.1. Commercial Aircraft

- 4.2.2. Military Aircraft
- 4.2.3. Business and General Aviation Aircraft
- 4.2.4. Advanced Air Mobility

## **CHAPTER 5. AEROSTRUCTURES MARKET: COMPONENT ESTIMATES & TREND ANALYSIS**

- 5.1. Component Movement Analysis & Market Share, 2023 & 2030
- 5.2. Aerostructures Market Estimates & Forecast, By Component (USD Billion)
  - 5.2.1. Fuselages
  - 5.2.2. Empennages
  - 5.2.3. Nose
  - 5.2.4. Wings
  - 5.2.5. Flight Control Surfaces
  - 5.2.6. Doors & SKIDs
  - 5.2.7. Nacelles & Pylons

## **CHAPTER 6. AEROSTRUCTURES MARKET: END USE ESTIMATES & TREND ANALYSIS**

- 6.1. End Use Movement Analysis & Market Share, 2023 & 2030
- 6.2. Aerostructures Market Estimates & Forecast, By End Use (USD Billion)
  - 6.2.1. OEM
  - 6.2.2. Aftermarket

## **CHAPTER 7. REGIONAL ESTIMATES & TREND ANALYSIS**

- 7.1. Aerostructures Market by Region, 2023 & 2030
- 7.2. North America
  - 7.2.1. North America Aerostructures Market Estimates & Forecasts, 2018 - 2030, (USD Billion)
  - 7.2.2. U.S.
  - 7.2.3. Canada
  - 7.2.4. Mexico
- 7.3. Europe
  - 7.3.1. Europe Aerostructures Market Estimates & Forecasts, 2018 - 2030, (USD Billion)
  - 7.3.2. Germany
  - 7.3.3. U.K.

7.3.4. France

7.4. Asia Pacific

7.4.1. Asia Pacific Aerostructures Market Estimates & Forecasts, 2018 - 2030, (USD Billion)

7.4.2. Japan

7.4.3. China

7.4.4. India

7.4.5. South Korea

7.4.6. Australia

7.5. Latin America

7.5.1. Latin America Aerostructures Market Estimates & Forecasts, 2018 - 2030, (USD Billion)

7.5.2. Brazil

7.6. Middle East & Africa (MEA)

7.6.1. MEA Aerostructures Market Estimates & Forecasts, 2018 - 2030, (USD Billion)

7.6.2. Saudi Arabia

7.6.3. UAE

7.6.4. South Africa

## **CHAPTER 8. AEROSTRUCTURES MARKET - COMPETITIVE LANDSCAPE**

8.1. Recent Developments & Impact Analysis, By Key Market Participants

8.2. Company Categorization

8.3. Participant's Overview

8.4. Financial Performance

8.5. Product Benchmarking

8.6. Company Market Positioning

8.7. Company Heat Map Analysis

8.8. Strategy Mapping

8.8.1. Expansion/Divestiture

8.8.2. Collaborations/Partnerships

8.8.3. New Product Launches

8.8.4. Research & Development

8.9. Company Profiles

8.9.1. Airbus SE

8.9.1.1. Participant's Overview

8.9.1.2. Financial Performance

8.9.1.3. Product Benchmarking

8.9.1.4. Recent Developments

- 8.9.2. Spirit AeroSystems Inc.
  - 8.9.2.1. Participant's Overview
  - 8.9.2.2. Financial Performance
  - 8.9.2.3. Product Benchmarking
  - 8.9.2.4. Recent Developments
- 8.9.3. Saab AB
  - 8.9.3.1. Participant's Overview
  - 8.9.3.2. Financial Performance
  - 8.9.3.3. Product Benchmarking
  - 8.9.3.4. Recent Developments
- 8.9.4. AAR CORP.
  - 8.9.4.1. Participant's Overview
  - 8.9.4.2. Financial Performance
  - 8.9.4.3. Product Benchmarking
  - 8.9.4.4. Recent Developments
- 8.9.5. Bombardier Inc.
  - 8.9.5.1. Participant's Overview
  - 8.9.5.2. Financial Performance
  - 8.9.5.3. Product Benchmarking
  - 8.9.5.4. Recent Developments
- 8.9.6. Triumph Group, Inc.
  - 8.9.6.1. Participant's Overview
  - 8.9.6.2. Financial Performance
  - 8.9.6.3. Product Benchmarking
  - 8.9.6.4. Recent Developments
- 8.9.7. Elbit Systems Ltd.
  - 8.9.7.1. Participant's Overview
  - 8.9.7.2. Financial Performance
  - 8.9.7.3. Product Benchmarking
  - 8.9.7.4. Recent Developments
- 8.9.8. The Boeing Company
  - 8.9.8.1. Participant's Overview
  - 8.9.8.2. Financial Performance
  - 8.9.8.3. Product Benchmarking
  - 8.9.8.4. Recent Developments
- 8.9.9. Leonardo SpA
  - 8.9.9.1. Participant's Overview
  - 8.9.9.2. Financial Performance
  - 8.9.9.3. Product Benchmarking



- 8.9.9.4. Recent Developments
- 8.9.10. Cyient Limited
  - 8.9.10.1. Participant's Overview
  - 8.9.10.2. Financial Performance
  - 8.9.10.3. Product Benchmarking
  - 8.9.10.4. Recent DevelopmentsList of Figures

Fig. 1 Market Segmentation And Scope

Fig. 2 Information Procurement

Fig. 3 Data Analysis Models

Fig. 4 Market Formulation And Validation

Fig. 5 Data Validating & Publishing

Fig. 6 Market Snapshot

Fig. 7 Segment Snapshot (1/2)

Fig. 8 Segment Snapshot (2/2)

Fig. 9 Competitive Landscape Snapshot

Fig. 10 Aerostructures Market - Value Chain Analysis

Fig. 11 Aerostructures Market - Market Dynamics

Fig. 12 Aerostructures Market - Porter's Five Forces Analysis

Fig. 13 Aerostructures Market - PESTEL Analysis

Fig. 14 Aerostructures Market, By Platform : Key Takeaways

Fig. 15 Aerostructures Market, By Platform: Market Share, 2023 & 2030

Fig. 16 Commercial Aircraft Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 17 Military Aircraft Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 18 Business and General Aviation Aircraft Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 19 Advanced Air Mobility Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 20 Aerostructures Market, By Component : Key Takeaways

Fig. 21 Aerostructures Market, By Component: Market Share, 2023 & 2030

Fig. 22 Fuselages Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 23 Empennages Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 24 Nose Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 25 Wings Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 26 Flight Control Surfaces Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 27 Doors & SKIDs Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 28 Nacelles & Pylons Market Estimates & Forecasts, 2018- 2030 (USD Billion)

Fig. 29 Aerostructures Market, By End Use : Key Takeaways

Fig. 30 Aerostructures Market, By End Use : Market Share, 2023 & 2030

Fig. 31 OEM Market Estimates & Forecasts, 2018- 2030 (USD Billion)

- Fig. 32 Aftermarket Market Estimates & Forecasts, 2018- 2030 (USD Billion)
- Fig. 33 Regional Marketplace: Key Takeaways
- Fig. 34 Regional Marketplace: Key Takeaways
- Fig. 35 North America Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 36 U.S. Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 37 Canada Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 38 Mexico Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 39 Europe Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 40 Germany Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 41 U.K. Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 42 France Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 43 Asia Pacific Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 44 China Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 45 India Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 46 Japan Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 47 Australia Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 48 South Korea Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 49 Latin America Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 50 Brazil Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 51 MEA Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 52 Saudi Arabia Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 53 South Africa Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 54 UAE Aerostructures Market Estimates & Forecast, 2018- 2030 (USD Billion)
- Fig. 55 Key Company Categorization
- Fig. 56 Company Market Positioning
- Fig. 57 Strategic Framework

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Chondroitin Sulfate Segment Outlook
- Fig. 2 Information Procurement
- Fig. 3 Primary Research Pattern
- Fig. 4 Primary research process
- Fig. 5 Chondroitin Sulfate - Market Snapshot
- Fig. 6 Penetration & Growth Prospect Mapping, (2018 - 2030)
- Fig. 7 Chondroitin Sulfate Market Dynamics
- Fig. 8 Chondroitin Sulfate - Porter's Analysis
- Fig. 9 Chondroitin Sulfate - PESTEL Analysis
- Fig. 10 Chondroitin sulfate market revenue share by source, 2022 & 2030 (%)
- Fig. 11 Chondroitin sulfate market revenue share by application, 2022 & 2030 (%)
- Fig. 12 Chondroitin sulfate market revenue share by region, 2022 & 2030 (%)
- Fig. 13 Company Market Positioning
- Fig. 14 Strategy Framework

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