

Global Aerospace & Defense Composites Market and Technology Forecast to 2026

<https://marketpublishers.com/r/G9494C35AC1EN.html>

Date: September 2018

Pages: 222

Price: US\$ 3,995.00 (Single User License)

ID: G9494C35AC1EN

Abstracts

Global Aerospace & Defence Composites market is estimated at around US\$ 15.17 billion and grows at a CAGR of around 11.21% to reach US\$ 39.46 billion in 2026. The total market opportunity has been estimated at around US\$ 252 billion during the forecast period. Commercial Aviation segment which constitutes the fixed wing commercial aircraft is expected to contribute to more than 50% of the market. The developments in this segment in the Jet Engine is expected to contribute to more than 10% of the overall market. The report has been segmented into Region Wise (Including country wise segmentation), Matrix Wise (Commercial Aviation and Defence & Others), Manufacturing Process and Application Wise (Interior and Exterior).

The report covers in detailed the PESTLE analysis, where the Environmental aspects in terms of recycling of the composites are expected to be the major trend changer for this market. It is expected that there would be statutory requirements on increasing the usage of recycled or reused composite material.

The report "Global Aerospace & Defence Composite Market Forecast to 2026" provides historical data and forecast until 2026. The market forecast section provides segment wise forecast across each of the segments as mentioned above.

Scenarios which could affect the growth of the market and the impacts of the Scenarios have been covered in the Scenario Analysis section of the report. The Scenario Analysis covers two Scenarios apart from the expected market movement for the forecast period.

The in- depth coverage of the report across its sections are:

Market Overview: This section covers the current state of market and the past developments which have helped in paving the market. In this section deals with Commercial Aviation and Defence separately and has a comparison of various programs which have used composites. This chapter also deals with the key requirements across platforms and the design demands.

Technology Overview: This chapter deals with the key technologies which would affect the sector, the technical challenges which have been identified are repair, Design and Structural Stimulation, Crashworthiness, Manufacturing, Recycling and Modelling to name a few.

Market Segmentation: In the chapter the market segmentation which have been used in this report have been mentioned in detailed. The market forecast is done based on the segmentation levels in this chapter.

Market Analysis: The market analysis chapter deals with the key industry trends which includes drivers, restraints and challenges which is expected to shape the growth of this sector are discussed in detailed.

Supplier Mapping: Supplier mapping across the key composite suppliers have been mapped, supplier mapping includes 8 Commercial Aviation suppliers and 6 Defence programs.

Market Forecast: This chapter deals with the expected market growth, the segments covered are Region Wise (Including country wise segmentation by End User), Matrix Wise (Commercial Aviation and Defence & Others), Manufacturing Process and Application Wise (Interior and Exterior) with separate forecast for the segments mentioned. It is interesting to note the paradigm shift from Prepreg Preparation method to RTM in the forecast period.

Scenario Analysis: A detailed scenario analysis has been captured as a part of this chapter, three scenarios have been considered. The assumptions of each scenario and the expected market impacts have been covered in this chapter.

Opportunity Analysis: This chapter covers the high growth markets and the areas the companies should be focussing on to maximize the revenues. The opportunities have been classified as High, Medium and Low Opportunities.

Company Profiles: Detailed Company profiling have been covered for the key

players in the market, the company profiles include company information (Including products and Services), Company Financials, Contracts won, alliances and a detailed SWOT of each of companies.

SCOPE:

There has been a constant struggle to optimize the operational cost of airlines, majority of the operational cost was accounted to fuel and to reduce the cost associated with fuel was of significant priority. This increased focus on reducing the weight, which is usually directly proportional to the fuel efficiency has paved the way to advanced composite aircraft which are 50% composite aircraft. The defence market is at a higher maturity in terms of composite usage compared to Commercial Aviation market.

The environment driven initiatives which are intended to regulate the emissions from airlines are expected to be the major driver, it is expected that such initiatives will be implemented across the other region.

The program wise supplier mapping across the major commercial and defence programs are covered in Supplier Mapping Section of the report.

PEST analysis have also been covered as a part of the report, the major companies in the Aerospace & Defence Composite Market have been profiled and a detailed SWOT of each company has been covered as a part of the report.

REASONS TO BUY:

Prospective Investors into the Aerospace & Defence Composites market could get a detailed understanding of the market dynamics of the market

A clear view of the market drivers, restraints and challenges which are expected to affect the market in the next few years.

Understand the key technology trends in the market including the shifts in manufacturing process.

Supplier mapping section gives a clear view of the major suppliers across each program and their specific components

Focus on high growth markets and develop efforts in those markets

Understand the competitor dynamics with respect to the recent alliances, and financial information

Contents

1 INTRODUCTION

- 1.1 Scope
- 1.2 Methodology
- 1.3 Events based Forecast Scenario
- 1.4 Who will benefit from this report
- 1.5 Language
- 1.6 Opportunity Alerts

2 EXECUTIVE SUMMARY

- 2.1 Market Introduction
- 2.2 Airline Profitability Factors
- 2.3 Adoption of Composites across Aircraft Structure
- 2.4 Evolution of Composites in the Aerospace & Defense Market
- 2.5 Aircraft Requirement in accordance with end application

3 MARKET OVERVIEW

- 3.1 Defense Composites Market
- 3.2 Commercial Aircraft
 - 3.2.1 Boeing - Composites Journey
 - 3.2.2 Airbus - Composite Journey
- 3.3 Technology Overview
- 3.4 Boeing 777 Empennage Certification
- 3.5 Technical challenges of Composites
 - 3.5.1 Repair
 - 3.5.2 Design and Structural Simulation
 - 3.5.3 Crashworthiness
 - 3.5.4 Manufacturing
 - 3.5.5 Light Weight
 - 3.5.6 Joining
 - 3.5.7 Recycling
 - 3.5.8 Modelling

4 MARKET SEGMENTATION

5 MARKET ANALYSIS

5.1 Market Drivers

- 5.1.1 Increased Demand for Fuel Efficient Aircraft
- 5.1.2 Increased Material Life
- 5.1.3 Technological know-how and maturation of material sciences
- 5.1.4 Increased Focus on Carbon Footprint
- 5.1.5 Manufacturing Process

5.2 Market Restraints

- 5.2.1 Cost involved in material/ new part development
- 5.2.2 Low Structural Impact Resistance
- 5.2.3 Lack of regional suppliers

5.3 Market Challenges

- 5.3.1 Cost Involved during maintenance
- 5.3.2 Design to Approval Time
- 5.3.3 Recycling of Composite material
- 5.3.4 Material Conductivity

5.4 PESTLE Analysis

- 5.4.1 Political
- 5.4.2 Economic
- 5.4.3 Social
- 5.4.4 Technology
- 5.4.5 Legislative
- 5.4.6 Environmental

5.5 Porter's Five Forces

- 5.5.1 Competitive Rivalry
- 5.5.2 Buyer Power
- 5.5.3 Threat of Substitute
- 5.5.4 Suppliers Power
- 5.5.5 Threat of new entrants

6 GLOBAL AEROSPACE & DEFENSE COMPOSITES MARKET- SUPPLIER MAPPING OF MAJOR PROGRAMS

6.1 Commercial Aircraft

- 6.1.1 Airbus
- 6.1.2 Boeing
- 6.1.3 Airbus
- 6.1.4 Boeing

- 6.1.5 Boeing
- 6.1.6 A350
- 6.1.7 A380
- 6.1.8 B747
- 6.2 Defense Platform
 - 6.2.1 A400M
 - 6.2.2 C130
 - 6.2.3 Eurotyphoon
 - 6.2.4 F18
 - 6.2.5 F35
 - 6.2.6 V

7 MARKET FORECAST AEROSPACE & DEFENSE COMPOSITE MARKET BY REGION (BY COUNTRY WISE & BY END USER) TO 2026

- 7.1 Total Global Market by Region to 2026
 - 7.1.1 North America
 - 7.1.2 Europe
 - 7.1.3 Asia Pacific
 - 7.1.4 Middle East
 - 7.1.5 Rest of the World

8 MARKET FORECAST AEROSPACE & DEFENSE COMPOSITE MARKET BY MATRIX TO 2026

- 8.1 Metal Matrix Composite
- 8.2 Ceramic Matrix Composite
- 8.3 Fiber Reinforced Polymer (Glass and Carbon)
- 8.4 Others

9 MARKET FORECAST AEROSPACE & DEFENSE COMPOSITE MARKET BY MANUFACTURING PROCESS TO 2026

- 9.1 Introduction
 - 9.1.1 Component Requirement
 - 9.1.2 Cost of Tooling
 - 9.1.3 Design of the component
 - 9.1.4 Property of the material
 - 9.1.5 Finished Material requirement

- 9.2 Resin Transferred Molding
- 9.3 Vacuum Assisted Resin Injection
- 9.4 Prepreg Preparation
- 9.5 Contact Layup
- 9.6 Filament Winding
- 9.7 Others

10 MARKET FORECAST AEROSPACE & DEFENSE COMPOSITE MARKET BY APPLICATION TO 2026

- 10.1 Commercial Aircraft
- 10.2 Defense Fixed Wing
- 10.3 Missiles & Munitions
- 10.4 Unmanned System
- 10.5 Helicopter Market
- 10.6 Jet Engines
- 10.7 Others

11 EVENTS BASED FORECAST

- 11.1 Introduction
- 11.2 Scenario
- 11.3 Scenario

12 OPPORTUNITY ANALYSIS

12.1 Opportunity Analysis of Aerospace & Defense Composite Market, Region wise, 2016-2026

- 12.1.1 North America
- 12.1.2 Europe
- 12.1.3 Asia Pacific (APAC)
- 12.1.4 Middle East
- 12.1.5 Others

12.2 Opportunity Analysis of Aerospace & Defense Composite Market, Platform wise, 2016-2026

- 12.2.1 Commercial Aviation
- 12.2.2 Defense Fixed Wing
- 12.2.3 Helicopter Market
- 12.2.4 Others

12.2.5 Jet Engines

12.2.6 Unmanned Systems

12.2.7 Missiles and Munitions

12.3 Opportunity Analysis of Aerospace & Defense Composite Market, By Type, 2016-2026

12.3.1 Metal Matrix Composite (MMC)

12.3.2 Ceramic Matrix Composite (CMC)

12.3.3 Fiber Reinforced Polymer

12.3.4 Others

13 COMPANY PROFILES

13.1 Solvay Group

13.1.1 Company profile

13.1.2 Products & Services

13.1.3 Segment Revenue

13.1.4 Financial info (revenues, profit last 5 years)

13.1.5 Recent Projects Completed

13.1.6 Recent Contract Wins

13.1.7 Strategic Alliances

13.1.8 Contact

13.1.9 SWOT ANALYSIS

13.2 Toray Industries

13.2.1 Company profile

13.2.2 Products & Services

13.2.3 Segment Revenue

13.2.4 Financial info (revenues, profit last 5 years)

13.2.5 Merger and Acquisition

13.2.6 Recent Projects completed

13.2.7 Strategic Alliances

13.2.8 Contact

13.2.9 SWOT ANALYSIS

13.3 Mitsubishi Chemical Corp.

13.3.1 Company profile

13.3.2 Products & Services

13.3.3 Segment Revenue

13.3.4 Financial info (revenues, profit last 3 years)

13.3.5 Merger and Acquisitions

13.3.6 Recent Projects completed

- 13.3.7 Strategic Alliance
- 13.3.8 Contact
- 13.3.9 SWOT ANALYSIS
- 13.4 Owens Corning
 - 13.4.1 Company profile
 - 13.4.2 Products & Services
 - 13.4.3 Segment Revenue
 - 13.4.4 Financial info (revenues, profit last 5 years)
 - 13.4.5 Recent contract wins
 - 13.4.6 Recent Projects completed
 - 13.4.7 Strategic Alliances
 - 13.4.8 Contact
 - 13.4.9 SWOT ANALYSIS
- 13.5 Teijin composite
 - 13.5.1 Company profile
 - 13.5.2 Segment Revenue
 - 13.5.3 Financial info (revenues, profit last 5 years)
 - 13.5.4 Recent contract wins
 - 13.5.5 Recent Projects completed
 - 13.5.6 Strategic Alliances
 - 13.5.7 Contact
 - 13.5.8 SWOT ANALYSIS
- 13.6 Hexcel Corp.
 - 13.6.1 Company profile
 - 13.6.2 Products & Services
 - 13.6.3 Segment Revenue
 - 13.6.4 Financial info (revenues, profit last 5 years)
 - 13.6.5 Recent contract wins
 - 13.6.6 Recent Projects completed
 - 13.6.7 Strategic Alliances
 - 13.6.8 Contact
 - 13.6.9 SWOT ANALYSIS
- 13.7 Gurit Holding AG
 - 13.7.1 Company profile
 - 13.7.2 Products & Services
 - 13.7.3 Segment Revenue
 - 13.7.4 Financial info (revenues, profit last 5 years)
 - 13.7.5 Recent contract wins
 - 13.7.6 Recent Projects completed

- 13.7.7 Strategic Alliances
- 13.7.8 Contact
- 13.7.9 SWOT ANALYSIS
- 13.8 Quantum Composites Inc.
 - 13.8.1 Company profile
 - 13.8.2 Products & Services
 - 13.8.3 Contact
 - 13.8.4 SWOT ANALYSIS
- 13.9 Advanced Ceramic Coating
 - 13.9.1 Company profile
 - 13.9.2 Contact
 - 13.9.3 SWOT ANALYSIS
- 13.10 COTESA Gmbh.
 - 13.10.1 Company profile
 - 13.10.2 Products & Services
 - 13.10.3 Financial info (revenues, profit last 2 years)
 - 13.10.4 Recent contract wins
 - 13.10.5 Merger and Acquisition
 - 13.10.6 Contact
 - 13.10.7 SWOT ANALYSIS
- 13.11 Euro Composites SA
 - 13.11.1 Company profile
 - 13.11.2 Products & Services
 - 13.11.3 Financial info (revenues, profit last 5 years)
 - 13.11.4 Contact
 - 13.11.5 SWOT ANALYSIS

14 APPENDICES

- 14.1 Companies Mentioned
- 14.2 Abbreviations

15 ABOUT MARKET FORECAST

- 15.1 General
- 15.2 Contact us
- 15.3 Disclaimer
- 15.4 License information
 - 15.4.1 1-User PDF License

15.4.2 5-User PDF License

15.4.3 Site PDF License

15.4.4 Enterprise PDF License

List Of Figures

LIST OF FIGURES

- Figure 1: Airline profitability factors, Global, 2016-2026
- Figure 2: Adoption of composite Narrow Body VS Long Range (In Percent), Global, 2018
- Figure 3: Adoption of composite in Fuselage & Wing Sections (In Percent), Global, 2018
- Figure 4: Composites Evolution in Commercial Transport
- Figure 5: AV8- B Composite Wing Structure
- Figure 6: Composites in F-16 Platform
- Figure 7: Composites in F-18 Hornet Platform
- Figure 6: Composites in Eurofighter
- Figure 9: Composites in F-35 Platform
- Figure 10: Composites Usage across Boeing Commercial Aircraft models
- Figure 11: Composites in Boeing
- Figure 12: Composites Usage across Airbus Commercial Aircraft models
- Figure 13: Composites Coupon & Element Level Test, Boeing
- Figure 14: Key R&D capability required for composite research
- Figure 15: Market Drivers, Aerospace & Defense Composites Market, 2018-2026
- Figure 14: Market Drivers, Aerospace & Defense Composites Market, 2018-2026
- Figure 17: Market Restraints, Aerospace & Defense Composites Market, 2018-2026
- Figure 18: Composites in Tejas, Indian LCA Program
- Figure 19: Market Challenges, Aerospace & Defense Composites Market, 2018-2026
- Figure 20: Fuel Efficiencies' of Airbus and Boeing best-selling aircraft
- Figure 21: Porter's Five Forces, Aerospace & Defense Composites Market, 2018-2026
- Figure 22: Airbus
- Figure 23: Boeing
- Figure 24: Airbus
- Figure 25: Boeing
- Figure 26: Boeing
- Figure 27: Airbus
- Figure 28: Airbus
- Figure 29: Boeing
- Figure 30: Airbus A400M
- Figure 31: Airbus C130
- Figure 32: Eurotypoon
- Figure 33: F
- Figure 34: F

Figure 35: V

Figure 36: Global Aerospace & Defense Composites Market Forecast (In USD Billion), Region Wise, 2016-2026

Figure 37: Aerospace & Defense Composites Market Forecast (In USD Billion), North America, By End User Wise, 2016-2026

Figure 38: Aerospace & Defense Composites Market Forecast (In USD Billion), United States, By End User, 2016-2026

Figure 39: Aerospace & Defense Composites Market Forecast (In USD Billion), Canada, By End User, 2016-2026

Figure 40: Aerospace & Defense Composites Market Forecast (In USD Billion), Europe, By End User 2016-2026

Figure 41: Aerospace & Defense Composites Market Forecast (In USD Billion), France, By End User, 2016-2026

Figure 42: Aerospace & Defense Composites Market Forecast (In USD Billion), United Kingdom, By End User, 2016-2026

Figure 43: Aerospace & Defense Composites Market Forecast (In USD Billion), Turkey, By End User, 2016-2026

Figure 44: Aerospace & Defense Composites Market Forecast (In USD Billion), Germany, By End User, 2016-2026

Figure 45: Aerospace & Defense Composites Market Forecast (In USD Billion), Israel, By End User, 2016-2026

Figure 46: Aerospace & Defense Composites Market Forecast (In USD Billion), Sweden, By End User, 2016-2026

Figure 47: Aerospace & Defense Composites Market Forecast (In USD Billion), Others (Rest of Europe), By End User, 2016-2026

Figure 48: Aerospace & Defense Composites Market Forecast (In USD Billion), Asia Pacific, By End User, 2016-2026

Figure 49: Aerospace & Defense Composites Market Forecast (In USD Billion), Japan, By End User, 2016-2026

Figure 50: Aerospace & Defense Composites Market Forecast (In USD Billion), Russia, By End User, 2016-2026

Figure 51: Aerospace & Defense Composites Market Forecast (In USD Billion), Singapore, By End User, 2016-2026

Figure 52: Aerospace & Defense Composites Market Forecast (In USD Billion), China, By End User, 2016-2026

Figure 53: Aerospace & Defense Composites Market Forecast (In USD Billion), Others, By End User, (Rest of Asia), 2016-2026

Figure 54: Aerospace & Defense Composites Market Forecast (In USD Billion), Middle East, By End User, 2016-2026

Figure 55: Aerospace & Defense Composites Market Forecast (In USD Billion), United Arab Emirates, By End User, 2016-2026

Figure 56: Aerospace & Defense Composites Market Forecast (In USD Billion), Others (Rest of Middle East), By End User, 2016-2026

Figure 57: Aerospace & Defense Composites Market Forecast (In USD Billion), Rest of the World, By End User, 2016-2026

Figure 58: Aerospace & Defense Composites Market Forecast (In USD Billion), Metal Matrix Composite, 2016-2026

Figure 59: Aerospace & Defense Composites Market Forecast (In USD Billion), Metal Matrix Composite, Application Wise, 2016-2026

Figure 60: Aerospace & Defense Composites Market Forecast (In USD Billion), Ceramic Matrix Composite, 2016-2026

Figure 61: Aerospace & Defense Composites Market Forecast (In USD Billion), Ceramic Matrix Composite, Application Wise, 2016-2026

Figure 62: Aerospace & Defense Composites Market Forecast (In USD Billion), Fiber Reinforced Polymer, 2016-2026

Figure 63: Aerospace & Defense Composites Market Forecast (In USD Billion), Fiber Reinforced Polymer, Application Wise, 2016-2026

Figure 64: Aerospace & Defense Composites Market Forecast (In USD Billion), Others, 2016-2026

Figure 65: Aerospace & Defense Composites Market, Comparison of Manufacturing Methods on Operational Parameters, 2016-2026

Figure 66: Aerospace & Defense Composites Market, Manufacturing Market Segmentation, 2018

Figure 67: Aerospace & Defense Composites Market Forecast (In USD Billion), Resin Transfer Molding Market Segment, 2016-2026

Figure 68: Aerospace & Defense Composites Market Forecast (In USD Billion), Vacuum Assisted Resin Injection, 2016-2026

Figure 69: Aerospace & Defense Composites Market Forecast (In USD Billion), Prepreg Preparation Market Segment, 2016-2026

Figure 70: Aerospace & Defense Composites Market Forecast (In USD Billion), Contact Layup Segment, 2016-2026

Figure 71: Aerospace & Defense Composites Market Forecast (In USD Billion), Filament Winding Segment, 2016-2026

Figure 72: Aerospace & Defense Composites Market Forecast (In USD Billion), Others Market Segment, 2016-2026

Figure 73: Aerospace & Defense Composites Market Forecast (In USD Billion), Commercial Aircraft, 2016-2026

Figure 74: Aerospace & Defense Composites Market Forecast (In USD Billion),

Commercial Aircraft, 2016-2026

Figure 75: Aerospace & Defense Composites Market Forecast (In USD Billion), Defense Fixed Wing, 2016-2026

Figure 76: Aerospace & Defense Composites Market Forecast (In USD Billion), Defense Fixed Wing, Interior VS Exterior Application, 2016-2026

Figure 77: Aerospace & Defense Composites Market Forecast (In USD Billion), Missiles & Munition, 2016-2026

Figure 78: Aerospace & Defense Composites Market Forecast (In USD Billion), Unmanned Systems, 2016-2026

Figure 79: Aerospace & Defense Composites Market Forecast (In USD Billion), Helicopter Market, 2016-2026

Figure 80: Aerospace & Defense Composites Market Forecast (In USD Billion), Helicopter Market, Interior VS Exterior Application, 2016-2026

Figure 81: Aerospace & Defense Composites Market Forecast (In USD Billion), Jet Engine, 2016-2026

Figure 82: Aerospace & Defense Composites Market Forecast (In USD Billion), Others, 2016-2026

Figure 83: Aerospace & Defense Composites Market Forecast (In USD Billion), Others, Interior VS Exterior Application, 2016-2026

Figure 84: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario Analysis, 2016-2026

Figure 85: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 1 Analysis, 2016-2026

Figure 86: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 1 Segment Wise Analysis, 2016-2026

Figure 87: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 2 Analysis, 2016-2026

Figure 88: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 2 Segment Wise Analysis, 2016-2026

Figure 89: Aerospace & Defense Composites Market Forecast (In USD Billion), Opportunity Analysis by Region, 2016-2026

Figure 90: Aerospace & Defense Composites Market Forecast (In Percentage, CAGR), Opportunity Analysis by Region, 2016-2026

Figure 91: Aerospace & Defense Composites Market Forecast (In USD Billion), Opportunity Analysis by Platform, 2016-2026

Figure 92: Aerospace & Defense Composites Market Forecast (In Percentage, CAGR), Opportunity Analysis by Platform, 2016-2026

Figure 93: Aerospace & Defense Composites Market Forecast (In USD Billion), Opportunity Analysis by Type, 2016-2026

Figure 94: Aerospace & Defense Composites Market Forecast (In Percentage, CAGR), Opportunity Analysis by Type, 2016-2026

Figure 95: Solvay Group Company Revenue, Segment Wise (In Percentage), 2017

Figure 96: Solvay Group Company Revenue 2013-2017

Figure 97: Solvay Group Profit 2013-2017

Figure 98: Toray Industries Company Revenue, Segment Wise (In Percentage), 2017

Figure 99: Toray Company Revenue 2013-2017

Figure 100: Toray Company Profit 2013-2017

Figure 101: Mitsubishi Chemicals Company Revenue, Segment Wise (In Percentage), 2017

Figure 102: Mitsubishi Chemicals Revenue 2013-2015

Figure 103: Mitsubishi Chemicals Profit 2013-2015

Figure 104: Owens Corning Company Revenue, Segment Wise (In Percentage), 2017

Figure 105: Owens Corning Company Revenue 2013-2017

Figure 106: Owens Corning Company Profit 2013-2017

Figure 107: Teijin Composite Company Revenue, Segment Wise (In Percentage), 2017

Figure 108: Teijin Composites Company Revenue 2013-2017

Figure 109: Teijin Composites Company Profits 2013-2017

Figure 110: Hexcel Corp. Company Revenue, Segment Wise (In Percentage), 2017

Figure 111: Hexcel Corp Company Revenue 2013-2017

Figure 112: Hexcel Corp Company Profit 2013-2017

Figure 113: Gurit Holding. Company Revenue, Segment Wise (In Percentage), 2017

Figure 114: Gurit Holding Company Revenue 2013-2017

Figure 115: Gurit Holding Company Profit 2013-2017

Figure 116: COTESA Gmbh Company Revenue 2013-2017

Figure 117: COTESA Gmbh Company Profit 2013-2017

Figure 118: Euro Composites SA Company Revenue 2013-2017

Figure 119: Euro Composites SA Company Profit 2013-2017

List Of Tables

LIST OF TABLES

- Table 1: Percentage of structural weight (Material Wise), F/A-18
- Table 2: Aircraft Requirement in accordance with end application
- Table 3: Composites used across platforms, Model Wise
- Table 4: Composite used in fixed and rotary Defense platform
- Table 5: AV-8B Composite Weight Saving by Component
- Table 6: F-18 Hornet Composite Usage (In Percent)
- Table 7: F-35 Composite Usage (Variant Wise)
- Table 8: Effect of Aluminum reduction to Fuel Burn Saving (In Kg)
- Table 9: Coupon & Element Level Test, B777 Empennage Certificate
- Table 10: Sub Component Level Test, B777 Empennage Certificate
- Table 11: Types of Damage and the recommended repair on composites
- Table 12: Time taken for production, Traditional material Vs Composites
- Table 13: Aircraft Sub Structure development Cost Vs Total Program Cost
- Table 14: Composite Supplier Mapping A320 Program, 2016-2026
- Table 15: Composite Supplier Mapping B767 Program, 2016-2026
- Table 16: Composite Supplier Mapping A330 Program, 2016-2026
- Table 17: Composite Supplier Mapping B777 Program, 2016-2026
- Table 18: Composite Supplier Mapping B787 Program, 2016-2026
- Table 19: Composite Supplier Mapping A350 Program, 2016-2026
- Table 20: Composite Supplier Mapping A380 Program, 2016-2026
- Table 21: Composite Supplier Mapping B747 Program, 2016-2026
- Table 22: Composite Supplier Mapping A400M Program, 2016-2026
- Table 23: Composite Supplier Mapping C130 Program, 2016-2026
- Table 24: Composite Supplier Mapping Eurotypoon Program, 2016-2026
- Table 25: Composite Supplier Mapping F-18 Program, 2016-2026
- Table 26: Composite Supplier Mapping F-35 Program, 2016-2026
- Table 27: Composite Supplier Mapping V-22 Program, 2016-2026
- Table 28: Global Aerospace & Defense Composites Market Forecast (In USD Billion), Region Wise, 2016-2026
- Table 29: Aerospace & Defense Composites Market Forecast (In USD Billion), North America, By End User Wise, 2016-2026
- Table 30: Aerospace & Defense Composites Market Forecast (In USD Billion), United States, By End User, 2016-2026
- Table 31: Aerospace & Defense Composites Market Forecast (In USD Billion), Canada, By End User, 2016-2026

Table 32: Aerospace & Defense Composites Market Forecast (In USD Billion), Europe, By End User 2016-2026

Table 33: Aerospace & Defense Composites Market Forecast (In USD Billion), France, By End User, 2016-2026

Table 34: Aerospace & Defense Composites Market Forecast (In USD Billion), United Kingdom, By End User, 2016-2026

Table 35: Aerospace & Defense Composites Market Forecast (In USD Billion), Turkey, By End User 2016-2026

Table 36: Aerospace & Defense Composites Market Forecast (In USD Billion), Germany, By End User, 2016-2026

Table 37: Aerospace & Defense Composites Market Forecast (In USD Billion), Israel, By End User, 2016-2026

Table 38: Aerospace & Defense Composites Market Forecast (In USD Billion), Sweden, By End User, 2016-2026

Table 39: Aerospace & Defense Composites Market Forecast (In USD Billion), Others (Rest of Europe), By End User, 2016-2026

Table 40: Aerospace & Defense Composites Market Forecast (In USD Billion), Asia Pacific, By End User, 2016-2026

Table 41: Aerospace & Defense Composites Market Forecast (In USD Billion), Japan, By End User, 2016-2026

Table 42: Aerospace & Defense Composites Market Forecast (In USD Billion), Russia, By End User, 2016-2026

Table 43: Aerospace & Defense Composites Market Forecast (In USD Billion), Singapore, By End User, 2016-2026

Table 44: Aerospace & Defense Composites Market Forecast (In USD Billion), China, By End User, 2016-2026

Table 45: Aerospace & Defense Composites Market Forecast (In USD Billion), Others (Rest of Asia), By End User, 2016-2026

Table 46: Aerospace & Defense Composites Market Forecast (In USD Billion), Middle East, By End User, 2016-2026

Table 47: Aerospace & Defense Composites Market Forecast (In USD Billion), United Arab Emirates, By end User, 2016-2026

Table 48: Aerospace & Defense Composites Market Forecast (In USD Billion), Others (Rest of Middle East), By End User, 2016-2026

Table 49: Aerospace & Defense Composites Market Forecast (In USD Billion), Rest of the World, By End User, 2016-2026

Table 50: Aerospace & Defense Composites Market Forecast (In USD Billion), Metal Matrix Composite, 2016-2026

Table 51: Aerospace & Defense Composites Market Forecast (In USD Billion), Metal

Matrix Composite, Application Wise, 2016-2026

Table 52: Aerospace & Defense Composites Market Forecast (In USD Billion), Ceramic Matrix Composite, 2016-2026

Table 53: Aerospace & Defense Composites Market Forecast (In USD Billion), Ceramic Matrix Composite, Application Wise, 2016-2026

Table 54: Aerospace & Defense Composites Market Forecast (In USD Billion), Fiber Reinforced Polymer, 2016-2026

Table 55: Aerospace & Defense Composites Market Forecast (In USD Billion Fiber Reinforced Polymer, Application Wise, 2016-2026

Table 56: Aerospace & Defense Composites Market Forecast (In USD Billion), Others, 2016-2026

Table 57: Aerospace & Defense Composites Market Forecast (In USD Billion), RTM, 2016-2026

Table 58: Aerospace & Defense Composites Market Forecast (In USD Billion), Vacuum Assisted Resin Injection, 2016-2026

Table 59: Aerospace & Defense Composites Market Forecast (In USD Billion), PP, 2016-2026

Table 60: Aerospace & Defense Composites Market Forecast (In USD Billion), Contact Layup, 2016-2026

Table 61: Aerospace & Defense Composites Market Forecast (In USD Billion), Filament Winding, 2016-2026

Table 62: Aerospace & Defense Composites Market Forecast (In USD Billion), Others, 2016-2026

Table 63: Aerospace & Defense Composites Market Forecast (In USD Billion), Commercial Aircraft, 2016-2026

Table 64: Aerospace & Defense Composites Market Forecast (In USD Billion), Commercial Aircraft, Interior VS Exterior Application, 2016-2026

Table 65: Aerospace & Defense Composites Market Forecast (In USD Billion), Defense Fixed Wing, 2016-2026

Table 67: Aerospace & Defense Composites Market Forecast (In USD Billion), Defense Fixed Wing, Interior VS Exterior Application, 2016-2026

Table 67: Aerospace & Defense Composites Market Forecast (In USD Billion), Missiles & Munition, 2016-2026

Table 68: Aerospace & Defense Composites Market Forecast (In USD Billion), Unmanned System, 2016-2026

Table 69: Aerospace & Defense Composites Market Forecast (In USD Billion), Helicopter Market, 2016-2026

Table 70: Aerospace & Defense Composites Market Forecast (In USD Billion), Helicopter Market, Interior VS Exterior Application, 2016-2026

Table 71: Aerospace & Defense Composites Market Forecast (In USD Billion), Jet Engine, 2016-2026

Table 72: Aerospace & Defense Composites Market Forecast (In USD Billion), Others, 2016-2026

Table 73: Aerospace & Defense Composites Market Forecast (In USD Billion), Others, Interior VS Exterior Application, 2016-2026

Table 74: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario Analysis, 2016-2026

Table 75: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 1, 2016-2026

Table 76: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 1 Factors, 2016-2026

Table 77: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 1, 2016-2026

Table 78: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 2, 2016-2026

Table 79: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 2 Factors, 2016-2026

Table 80: Aerospace & Defense Composites Market Forecast (In USD Billion), Scenario 2, 2016-2026

Table 81: Aerospace & Defense Composites Market Forecast (In USD Billion), Opportunity Analysis by Region, 2016-2026

Table 82: Aerospace & Defense Composites Market Forecast (In USD Billion), Opportunity Analysis by Platform, 2016-2026

Table 83: Aerospace & Defense Composites Market Forecast (In USD Billion), Opportunity Analysis by Region, 2016-2026

Table 84: Solvay Group Company Financial Information 2013-2017 (US\$ millions)

Table 85: SWOT Analysis- Solvay Group

Table 86: Toray Company Financial Information 2013-2017 (US\$ millions)

Table 87: SWOT Analysis Toray

Table 88: Mitsubishi Chemicals Company Financial Information 2013-2015 (US\$ millions)

Table 89: SWOT Analysis Mitsubishi Chemicals

Table 90: Owens Corning Company Financial Information 2013-2017 (US\$ millions)

Table 91: SWOT Analysis Owens Corning

Table 92: Teijin Composites Company Financial Information 2013-2017 (US\$ millions)

Table 93: SWOT Analysis- Teijin Composites

Table 94: Hexcel Corp Company Financial Information 2013-2017 (US\$ millions)

Table 95: SWOT Analysis Hexcel Corp

Table 96: Gurit Holding Company Financial Information 2013-2017 (US\$ millions)

Table 97: SWOT Analysis Gurit Holding

Table 98: SWOT Analysis Quantum Composites

Table 99: SWOT Analysis Advanced Ceramic Coating

Table 100: COTESA Gmbh Company Financial Information 2013-2014 (US\$ millions)

Table 101: SWOT Analysis COTESA Gmbh

Table 102: Euro Composites SA Company Financial Information 2013-2017 (US\$ millions)

Table 103: SWOT Analysis Euro Composites SA

I would like to order

Product name: Global Aerospace & Defense Composites Market and Technology Forecast to 2026

Product link: <https://marketpublishers.com/r/G9494C35AC1EN.html>

Price: US\$ 3,995.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G9494C35AC1EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970