

Global Carbon Fibre Composites for eVTOL Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GFD61CC2F876EN.html>

Date: April 2024

Pages: 122

Price: US\$ 3,480.00 (Single User License)

ID: GFD61CC2F876EN

Abstracts

Carbon fibre composite material for eVTOL is a structural material for electric vertical takeoff and landing vehicles. It is a composite material made of carbon fibre and resin, which is lightweight, high-strength and corrosion-resistant, and is suitable for the manufacture of various components of eVTOL vehicles, such as wings, fuselage, propellers, etc. The advantages of using carbon fibre composites for eVTOL vehicles are that it can reduce the overall weight of the vehicle, improve flight efficiency and range, and also provide better flight performance and safety.

According to our (Global Info Research) latest study, the global Carbon Fibre Composites for eVTOL market size was valued at US\$ million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of %during review period.

According to research team research statistics, the global eVTOL (Electric Vertical Take-off and Landing Aircraft) market sales reached \$0.08 billion in 2023 and is expected to reach \$79.6 billion by 2030, at a Compound Annual Growth Rate (CAGR) of 184.3% (2024-2030).

This report is a detailed and comprehensive analysis for global Carbon Fibre Composites for eVTOL market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2024, are provided.

Key Features:

Global Carbon Fibre Composites for eVTOL market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2019-2030

Global Carbon Fibre Composites for eVTOL market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2019-2030

Global Carbon Fibre Composites for eVTOL market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2019-2030

Global Carbon Fibre Composites for eVTOL market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2019-2024

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Carbon Fibre Composites for eVTOL

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Carbon Fibre Composites for eVTOL market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Toray, Hexcel, Solvay, Guangwei Composite, Hower Material, Noen, Zhongfu Shenying Carbon Fiber, Embraer, Long Aerospace Composite Material, Mitsubishi Chemical, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Carbon Fibre Composites for eVTOL market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Resin Matrix Composites

Carbon Matrix Composites

Metal Matrix Composites

Ceramic Matrix Composites

Rubber Matrix Composites

Others

Market segment by Application

Wings and Propellers

Cabin and Interior

Fuselage

Other

Major players covered

Toray

Hexcel

Solvay

Guangwei Composite

Hower Material

Noen

Zhongfu Shenying Carbon Fiber

Embraer

Long Aerospace Composite Material

Mitsubishi Chemical

Nippon Graphite Fiber Corporation

SGL Group

Teijin Limited

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Carbon Fibre Composites for eVTOL product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Carbon Fibre Composites for eVTOL, with price, sales quantity, revenue, and global market share of Carbon Fibre Composites for eVTOL from 2019 to 2024.

Chapter 3, the Carbon Fibre Composites for eVTOL competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Carbon Fibre Composites for eVTOL breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2019 to 2024. and Carbon Fibre Composites for eVTOL market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Carbon Fibre Composites for eVTOL.

Chapter 14 and 15, to describe Carbon Fibre Composites for eVTOL sales channel, distributors, customers, research findings and conclusion.

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