

# Global Wind Energy Composite Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GD4108F5485EN.html>

Date: January 2024

Pages: 135

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

ID: GD4108F5485EN

## Abstracts

According to our (Global Info Research) latest study, the global Wind Energy Composite market size was valued at USD 3941.8 million in 2023 and is forecast to a readjusted size of USD 5790 million by 2030 with a CAGR of 5.6% during review period.

Wind energy composite material forms an essential component of wind turbine for the manufacture of wind turbine rotor blade. Composite material is made up of fiber and matrix. The fiber provides physical strength and distributes loads in composite. The matrix material act binder. The matrix binds and maintains the spacing of the fiber material protecting the fiber from abrasion and environmental damage. The composite material manufactured from reinforcement of fiber and matrix is far superior from conventional metals such as steel and aluminum. The Wind Energy Composite market covers Glass Fiber Reinforced Polymer Composites, Carbon Fiber Reinforced Polymer Composites, etc. The typical players include LM Wind Power, TPI Composites, Sinoma Wind Power Blade, Zhongfu Lianzhong, TMT, etc.

Globally, the main manufacturers of Wind Energy Composite include LM Wind Power, TPI Composites and Sinoma Wind Power Blade, etc. Among them, LM Wind Power and TPI Composites both have a large market share of over 15%. Asia-Pacific is the largest market, holds a share over 60%.

The Global Info Research report includes an overview of the development of the Wind Energy Composite industry chain, the market status of Blades (Glass Fiber Reinforced Polymer Composites, Carbon Fiber Reinforced Polymer Composites), Nacelles (Glass Fiber Reinforced Polymer Composites, Carbon Fiber Reinforced Polymer Composites), and key enterprises in developed and developing market, and analysed the cutting-

edge technology, patent, hot applications and market trends of Wind Energy Composite.

Regionally, the report analyzes the Wind Energy Composite markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Wind Energy Composite market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Wind Energy Composite market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Wind Energy Composite industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Glass Fiber Reinforced Polymer Composites, Carbon Fiber Reinforced Polymer Composites).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Wind Energy Composite market.

**Regional Analysis:** The report involves examining the Wind Energy Composite market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Wind Energy Composite market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Wind Energy Composite:

**Company Analysis:** Report covers individual Wind Energy Composite manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Wind Energy Composite. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Blades, Nacelles).

**Technology Analysis:** Report covers specific technologies relevant to Wind Energy Composite. It assesses the current state, advancements, and potential future developments in Wind Energy Composite areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Wind Energy Composite market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Wind Energy Composite 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.

### Market segment by Type

Glass Fiber Reinforced Polymer Composites

Carbon Fiber Reinforced Polymer Composites

Others

### Market segment by Application

Blades

Nacelles

Others

#### Major players covered

LM Wind Power

TPI Composites

Sinoma Wind Power Blade

Zhongfu Lianzhong

TMT

Vestas

Siemens Gamesa

Suzlon

Enercon

Tecsis

MFG Wind

Nordex

Inox Wind

Jupiter Bach

Shandong Shuangyi Technology

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 Wind Energy Composite product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Wind Energy Composite, with price, sales, revenue and global market share of Wind Energy Composite from 2019 to 2024.

Chapter 3, the Wind Energy Composite competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Wind Energy Composite 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 application, with sales market share and growth rate by type, 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 2017 to 2023. and Wind Energy Composite market forecast, by regions, type and 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 Wind Energy Composite.

Chapter 14 and 15, to describe Wind Energy Composite sales channel, distributors, customers, research findings and conclusion.

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