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Global Wind Turbine Blade Composite Materials Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Wind Turbine Blade Composite Materials market size will reach 8,140.55 Million USD in 2025 and is projected to reach 13,780.57 Million USD by 2032, with a CAGR of 7.81% (2025-2032). Notably, the China Wind Turbine Blade Composite Materials market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Wind turbine blade composite materials are specialized materials used in the construction of wind turbine blades, which are crucial components of wind turbines used to capture wind energy and convert it into electricity. These composite materials typically consist of a combination of fibers, such as fiberglass or carbon fiber, embedded in a matrix of polymer resin, such as epoxy or polyester. The fibers provide the strength and stiffness required to withstand the mechanical loads and aerodynamic forces experienced by the blades during operation, while the resin matrix provides cohesion and binds the fibers together. Additionally, other additives such as fillers, pigments, and adhesion promoters may be incorporated to enhance specific properties such as durability, UV resistance, and lightning strike protection. Wind turbine blade composite materials are engineered to be lightweight, durable, and corrosion-resistant, enabling wind turbine blades to efficiently capture wind energy over many years of service. They play a critical role in the performance, reliability, and longevity of wind turbines, contributing to the growth of renewable energy generation worldwide.

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The major global manufacturers of Wind Turbine Blade Composite Materials include Toray Industries, SGL Carbon, Teijin, Mitsubishi Chemical, Hexcel, Techstorm, Westlake Chemical, Olin Corp, Swancor Holding, Wells Advanced Materials, Owens Corning, Taishan Fiberglass, Chongqing Polycomp, Gurit, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Wind Turbine Blade Composite Materials. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Wind Turbine Blade Composite Materials market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Wind Turbine Blade Composite Materials market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Wind Turbine Blade Composite Materials industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

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Global Key Manufacturers of Wind Turbine Blade Composite Materials Include:

Toray Industries

SGL Carbon

Teijin

Mitsubishi Chemical

Hexcel

Techstorm

Westlake Chemical

Olin Corp

Swancor Holding

Wells Advanced Materials

Owens Corning

Taishan Fiberglass

Chongqing Polycomp

Gurit

Wind Turbine Blade Composite Materials Product Segment Include:

Glass Fiber Reinforced Composites

Carbon Fiber Reinforced Composites

Wind Turbine Blade Composite Materials Product Application Include:

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?2.0 MW

2.0-3.0 MW

3.0-5.0 MW

?5.0 MW

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Wind Turbine Blade Composite Materials Capacity and Production Analysis

Chapter 3: Global Wind Turbine Blade Composite Materials Industry PESTEL Analysis

Chapter 4: Global Wind Turbine Blade Composite Materials Industry Porter's Five Forces Analysis

Chapter 5: Global Wind Turbine Blade Composite Materials Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 6: Global Wind Turbine Blade Composite Materials Market Size and Forecast by Type and Application Analysis

Chapter 7: North America Wind Turbine Blade Composite Materials Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: Europe Wind Turbine Blade Composite Materials Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: China Wind Turbine Blade Composite Materials Competitive Analysis

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