

Wind Blade Composites - Company Evaluation Report, 2025

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Report description:

The Wind Blade Composites Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Wind Blade Composites. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 140 companies, of which the Top 15 Wind Blade Composites Companies were categorized and recognized as quadrant leaders.

The wind blade composites market is experiencing robust growth, driven by the global transition to renewable energy and the rising need for efficient, durable, and lightweight materials in wind turbine manufacturing. They are used in both onshore and offshore wind turbines. The onshore segment currently holds the largest market share, driven by extensive wind energy deployments in the Asia Pacific region, especially in China and India. However, offshore applications are expected to witness rapid growth due to the global push for clean energy and carbon reduction.

The market is projected to grow from USD 12,016.0 million in 2024 to USD 21,874.3 million by 2030, reflecting a CAGR of 10.5% from 2025 to 2030. This growth is fueled by increasing investments in onshore and offshore wind energy projects, supportive government policies aimed at reducing carbon emissions, and advancements in composite technologies-particularly in glass and carbon fiber materials.

The 360 Quadrant maps the Wind Blade Composites companies' based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Wind Blade Composites quadrant. The top criteria for product footprint evaluation included By Fiber type (Glass Fiber, Carbon Fiber, Other Fiber Types), By Resin type (Epoxy, polyurethane, Other Resin Types), By Blade size (Up to 50 Meters, Over 50 Meters), and By Application (Onshore Wind Turbines, Offshore wind turbines).

Key Players

Key players in the Wind Blade Composites market include major global corporations and specialized innovators such as China National Building Material Group Corporation (China), Toray Industries, Inc. (Japan), China Jushi Co., Ltd. (China), Exxon Mobil (US), Evonik (Germany), Teijin Limited (Japan), Hexcel Corporation (US), Arkema (France), Owens Corning (US), Exel Composites (Finland), SGL Carbon (Germany), Gurit Services AG (Switzerland), DowAksa (Turkey), Rochling (Germany), and Huntsman (US).

These companies are actively investing in research and development, forming strategic partnerships, and engaging in collaborative initiatives to drive innovation, expand their global footprint, and maintain a competitive edge in this rapidly evolving market.

Top 3 Companies

China National Building Material Group Corporation

China National Building Material Group Corporation (CNBM) is a major Chinese state-owned enterprise specializing in construction and building materials. Established in 1984 through the merger of China National Building Materials Group Corporation (CNBM) and China National Materials Group Corporation, has since evolved into the world's largest integrated building materials industry group and a prominent producer of innovative materials. Headquartered in Beijing, the company operates a vertically integrated model encompassing scientific research, manufacturing, and logistics. CNBM's extensive product portfolio includes cement, gypsum board, fiberglass, carbon fiber, and wind turbine blades, with some of the highest annual production capacities globally.

Toray Industries, Inc.

Toray Industries, Inc., founded in 1926 and headquartered in Tokyo, Japan, is a global leader in advanced materials, synthetic fibers, and chemical technologies. Operating in over 29 countries with approximately 48,000 employees across 308 companies, Toray maintains a diverse business portfolio that includes fibers and textiles, performance chemicals, carbon fiber composite materials, environmental engineering, and life sciences. Toray's subsidiaries, Zoltek and Toray Advanced Composites, are recognized for their innovations in carbon fiber technology, serving key industries such as aerospace, automotive, and wind energy.

China Jushi Co., Ltd.

China Jushi Co., Ltd. is a leading joint-stock company specializing in the production, research, and distribution of fiberglass, as well as the manufacturing of plastic floorboards. Recognized as one of the world's top fiberglass producers, the company operates through three business segments: Glass Fiber and Its Products, Other Products, and Other Business. The core Glass Fiber segment includes a broad portfolio of E-glass and C-glass products, offering over 100 product categories with more than 1,000 specifications.

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