

# Future Material Needs for the Global Wind Energy Market: 2011–2016

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# Abstracts

According to Lucintel's report "Future Material Needs for the Global Wind Energy Market: 2011–2016" Over the last five years, the global wind composites material market has experienced rapid growth. This market is expected to continue its growth trajectory, as it reaches US \$5.5 billion by 2016 with a CAGR of 16% from 2011 through 2016.

Over the last five years, the global wind composites material market has experienced rapid growth. This market is expected to continue its growth trajectory, as it reaches US \$5.5 billion by 2016 with a CAGR of 16% from 2011 through 2016.

Lucintel, a leading global management consulting and market research firm, has analyzed future material needs for the wind energy market and presents its findings in "Future Material Needs for the Global Wind Energy Market: 2011–2016" This report considers various composites used in the wind energy industry such as fiber reinforcements, formulated resins, and core materials. It does not include noncomposite materials such as steel.

The thriving wind industry is a key driver for growth in new materials for wind energy applications due to strong demand for new blades and increased consumption of wind blade raw materials. Increasing blade lengths are expected to generate greater demand for new materials to achieve better mechanical properties and lower blade weights. Hybrid carbon-glass fiber reinforcements are expected to be the popular choice for wind blade manufacturers until a competing material at a lower cost is developed.

Lucintel anticipates strong growth for the material market over the forecast period. Glass fiber is expected to remain the largest market, followed by epoxy. Other material



markets such as coatings are expected to fare well. Carbon fiber is likely to remain the smallest market, but its growth opportunities remain promising because of its light weight and other advantageous material properties for wind energy applications.

China is likely to be the largest wind market, while markets in Spain, the UK, and France are expected to grow with large turbines being built for offshore wind farms along the western and northern European coastline.

The report, which provides trend scenarios and forecast statistics for 2011–2016, details industry drivers and challenges and the use of different composites, resin, reinforcement, and core materials in wind applications. It also describes wind blade manufacturing processes and more.

This unique report from Lucintel is expected to provide you valuable information, insights and tools needed to identify the new growth opportunities and operate your business successfully in this market. This report is estimated to save hundreds of hours of your own personal research time and is likely to significantly benefit you in expanding your business in this market. In today's stringent economy, you need every advantage that you can find to keep you ahead in your business.

To make business, investment, or strategic decisions, you need timely and adequate information. This market report fulfills this core need and is an indispensable reference guide for multi-national for wind material suppliers, wind equipment manufacturers, investors, executives, distributors and many more, who are dealing with this market.

Some of the features of "Future Material Needs for the Global Wind Energy Market: 2011-2016" are:

Global wind energy market size in terms of value and volume shipment

Global wind market trend and forecast in terms of value and volume shipment

Strategic analysis: new opportunities for material suppliers, key emerging trends, market entry barriers and their impact for material suppliers in wind blade markets

Major growth drivers and challenges for wind energy



Value chain for the wind energy industry

Composites consumption trend by type of raw material

The market for composites consumption in wind by turbine component, by blade manufacturer, by manufacturing techniques, by region

Use of core materials in wind applications

More than 53 valuable figures/charts and 40 tables are provided in this roughly 165 page report



# Contents

#### **1. EXECUTIVE SUMMARY**

#### 2. THE WIND ENERGY MARKET

- 2.1: Wind energy market growth-trends (2005–2010)
- 2.2: Forecasts for wind energy market (2011–2016)
- 2.3: Strategic implications for material suppliers to the wind energy industry

#### 3. WIND BLADE MANUFACTURING PROCESS

- 3.1: The blade manufacturing process
- 3.1.1: Hand lay-up/wet lay-up process
- 3.1.2: VARTM process
- 3.1.3: Scrimp process
- 3.1.4: Prepreg lay-up process
- 3.1.5: Sprint technology
- 3.1.6: Siemens integral blade technology
- 3.1.7: Technology trends in wind blade manufacturing
- 3.2: Process adoption by the main blade manufacturers
- 3.3: Future blade manufacturing process needs

### 4. COMPOSITE MATERIALS IN WIND BLADES

- 4.1: Overview of the blade manufacturing industry
  - 4.1.1: Increased blade length dynamics
  - 4.1.2: Challenges in up- scaling blade length
  - 4.1.3: Advantage of composites use in blade manufacturing
- 4.2: Composite raw materials in wind blades
  - 4.2.1: Resin types
  - 4.2.2: Future needs from resins used in wind blade manufacturing
  - 4.2.3: Prepreg materials
  - 4.2.4: Reinforcement materials
  - 4.2.5: Carbon-fiber use in wind blade manufacturing
  - 4.2.6: Future needs from reinforcement fibers in wind blades
  - 4.2.7: Adhesives for wind blade
  - 4.2.8: Performance improvement desired by blade manufacturers



#### 5. RESIN AND REINFORCEMENT MATERIALS

- 5.1: Epoxy-based resins for prepreg processing
- 5.2: Epoxy-based resins for infusion processing
- 5.3: Epoxy-based resins for hand-lay up process
- 5.4: Price & performance analysis for epoxy resins
- 5.5: Polyester resin for wind blade manufacturing
- 5.6: New developments in reinforcement materials

#### 6. CORE MATERIALS IN WIND APPLICATIONS

- 6.1: Overview of core materials in wind blades
- 6.2: Balsa end grain wood
- 6.3: PVC foam (polyvinylchloride foam)
- 6.4: SAN foam (styrene-acrylonitrile foam)
- 6.5: PET foam (poly-ethylene-terephthalate)
- 6.6: Other development in core materials
- 6.7: Pricing of core materials
- 6.8: New development in adhesives for wind energy

#### 7. THE MARKET FOR COMPOSITES IN WIND

- 7.1: Trend for composites consumption
- 7.2: Composites consumption trend by type of raw material
- 7.3: Composites consumption by turbine component
- 7.4: Composites consumption by blade manufacturer
- 7.5: Composites consumption by manufacturing techniques
- 7.6: Composites consumption by region
- 7.7: Forecast (2011–2016) for composites consumption
- 7.8: Composites consumption forecast by type of raw material
- 7.9: Value chain for the wind energy industry
- 7.10: Drivers and challenges for wind materials market
  - 7.10.1: Drivers in wind energy materials market
  - 7.10.2: Challenges in wind energy materials market

### 8. COST OF WIND ENERGY

- 8.1: Improving turbine efficiencies
  - 8.1.1: Improved turbine efficiencies through design innovations



- 8.1.2: Improved turbine efficiencies using carbon fiber
- 8.2: Cost of producing wind energy
- 8.3: Analysis of impact of turbine weight savings on CoE
  - 8.3.1: Analyzing blade weight savings on costs and weight



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