

# Wind Turbines: Technologies, Applications and Global Markets

https://marketpublishers.com/r/W18A3226C5CEN.html

Date: March 2023

Pages: 248

Price: US\$ 5,500.00 (Single User License)

ID: W18A3226C5CEN

# **Abstracts**

# Report Scope:

This report analyzes different turbine types, installations type, grid connectivity, end use, capacity rating, end user, and regional market development of wind turbines. Furthermore, we also segment the market analysis by major countries in this report, such as the U.S., China, Germany, and others where the opportunities for wind turbines are lucrative.

The report is prepared in a simple, easy-to-understand format; tables and figures are included to illustrate historical, current, and future market scenarios. The report also covers leading companies with information on product types, business footprint, revenue, etc. We have also included a list of other companies in global and regional markets. Also, the report includes a patent analysis for the wind turbines market, which represents a significant investment area for investors.

The report incorporates the impact of COVID-19 and the Russia-Ukraine war on the global and regional markets.

In this report 2021 is used as the market's base year, estimated values are provided for 2022 and market values are forecast for the period of 2022 to 2027. All market values are provided in millions of dollars, and market shares and CAGRs are provided in percentages.

# Report Includes:

35 data tables and 46 additional tables



An overview of the global market for wind turbines

Analyses of global market trends, with data from 2021 and 2022, estimates for 2023, 2025, and projections of compound annual growth rates (CAGRs) through 2027

Coverage of history, evolution, applications, and benefits of wind turbine and discussion on market opportunities, major issues and trends affecting the industry

Segmentation of the market by turbine type, installation, grid connectivity, service, end use, capacity rating, and region

Insight into the recent industry structure, regulations and policies, pipeline products, and the vendor landscape of the market leading participants

Company profiles of the leading global players, including Vestas Wind Systems A/S, Siemens Gamesa, General Electric, Ming Yang Smart Energy Group Co. Ltd., Envision Group, and Nordex SE



# **Contents**

### **CHAPTER 1 INTRODUCTION**

- 1.1 Introduction
- 1.2 Study Goals and Objectives
- 1.3 Reasons for Doing This Study
- 1.4 Scope of Report
- 1.5 What's New in This Update?
- 1.6 Information Sources
- 1.7 Intended Audience
- 1.8 Research Methodology
- 1.9 Geographical Breakdown
- 1.10 Analyst's Credentials
- 1.11 BCC Custom Research
- 1.12 Related BCC Research Reports

### **CHAPTER 2 SUMMARY AND HIGHLIGHTS**

### **CHAPTER 3 MARKET OVERVIEW**

- 3.1 Current Market Overview
  - 3.1.1 Characterizing Wind Resources
  - 3.1.2 Economic Prospects of Wind Energy
  - 3.1.3 The Cost of Wind Power is Competitive with Conventional Power Plants
- 3.2 History and Evolution of Wind Turbines
  - 3.2.1 Wind Energy History
  - 3.2.2 Wind Energy Present
  - 3.2.3 Wind Energy Future
- 3.3 Developments in the Wind Turbine Industry
  - 3.3.1 Catenary Moored Semi-Submersible Platforms (CMSSP) Platform
  - 3.3.2 Tension Leg Platforms (TLP) Platform
  - 3.3.3 Spar Buoys
  - 3.3.4 Pitch Bearings
  - 3.3.5 Rotor Size and Blade Shape
  - 3.3.6 Robotic Inspection
- 3.4 Trends
  - 3.4.1 Increased Interest in the Renewable Sources of Energy
  - 3.4.2 Heightened Concern about Carbon Emissions



- 3.4.3 Selling Excess Electricity to the Utilities
- 3.4.4 Early Stage of Industry
- 3.5 Wind Turbine Advances
- 3.6 Wind Turbine Components
- 3.6.1 Subcomponents for Wind Turbines
- 3.7 Government Regulations and Incentives: Technological Issues in the Wind Industry
  - 3.7.1 Incentives for Wind Energy
  - 3.7.2 Permits and Legal Aspects
  - 3.7.3 Ecological Impact of Wind Turbines
  - 3.7.4 Production Tax Credit
- 3.7.5 Government Incentives for the Construction of New Renewable Sources of Energy
  - 3.7.6 Wind Turbine and Component Technology Issues
- 3.8 Basis of Wind Energy Projects
  - 3.8.1 Wind Energy Project Costs
  - 3.8.2 Cost of Producing Wind Energy
- 3.9 Steps for Development of Wind Projects
- 3.10 Certification and Testing of Wind Turbines
  - 3.10.1 Design Assessment
  - 3.10.2 Type Testing
  - 3.10.3 Manufacturing Evaluation
  - 3.10.4 Performance Characteristics
  - 3.10.5 International Standards
- 3.11 Applications, Advantages, and Challenges
  - 3.11.1 Applications
  - 3.11.2 Advantages of Wind Energy
  - 3.11.3 Disadvantages of Wind Energy
  - 3.11.4 Challenges
- 3.12 Improving Turbine Efficiencies
  - 3.12.1 Improved Turbine Efficiencies Through Design Innovations
  - 3.12.2 Improved Turbine Efficiencies Using Carbon Fiber
- 3.13 Types of Wind Turbines
  - 3.13.1 Horizontal-Axis Wind Turbine
  - 3.13.2 Vertical-Axis Wind Turbine
- 3.14 Wind Turbine Application Types
  - 3.14.1 Off-Grid
  - 3.14.2 On-Grid
- 3.15 Value Chain Analysis of the Market for Wind Turbines
  - 3.15.1 Raw and Processed Materials



- 3.15.2 Subcomponents
- 3.15.3 Components
- 3.15.4 Logistics and Transportation
- 3.15.5 End Product
- 3.15.6 End-Use Industries
- 3.16 Porter's Five Forces Model
  - 3.16.1 Supplier Power
  - 3.16.2 Buyer Power
  - 3.16.3 Threat of New Entrants
  - 3.16.4 Threat of Substitutes
  - 3.16.5 Competitive Rivalry
- 3.17 PESTLE Analysis
  - 3.17.1 Political
  - 3.17.2 Economic
  - 3.17.3 Sociological
  - 3.17.4 Technological
  - 3.17.5 Legal
  - 3.17.6 Environment
- 3.18 Impact of COVID-19 on the Global Market for Wind Turbines
- 3.19 Impact of the Russia-Ukraine War on the Global Market for Wind Turbines

#### **CHAPTER 4 GLOBAL MARKET DYNAMICS**

- 4.1 Overview
- 4.2 Market Dynamics
  - 4.2.1 Global Market Drivers
  - 4.2.2 Global Market Restraints
  - 4.2.3 Current Market Trends
  - 4.2.4 Market Opportunities

# **CHAPTER 5 MARKET BREAKDOWN BY TURBINE TYPE**

- 5.1 Overview
- 5.2 Global Market by Turbine Type
  - 5.2.1 Horizontal-Axis Turbines
  - 5.2.2 Vertical-Axis Turbines
- 5.3 North American Market by Turbine Type
- 5.4 European Market by Turbine Type
- 5.5 Asia-Pacific Market by Turbine Type



# 5.6 Rest of the World Market by Turbine Type

### CHAPTER 6 MARKET BREAKDOWN BY TYPE OF INSTALLATION

- 6.1 Overview
- 6.2 Global Market by Type of Installation
  - 6.2.1 Onshore
  - 6.2.2 Offshore
- 6.3 North American Market by Type of Installation
- 6.4 European Market by Type of Installation
- 6.5 Asia-Pacific Market by Type of Installation
- 6.6 Rest of the World Market by Type of Installation

#### CHAPTER 7 MARKET BREAKDOWN BY GRID CONNECTIVITY

- 7.1 Global Market by Grid Connectivity
  - 7.1.1 On-grid
  - 7.1.2 Off-grid
- 7.2 North American Market by Grid Connectivity
- 7.3 European Market by Grid Connectivity
- 7.4 Asia-Pacific Market by Grid Connectivity
- 7.5 Rest of the World Market by Grid Connectivity

#### **CHAPTER 8 MARKET BREAKDOWN BY END USER**

- 8.1 Overview
- 8.2 Global Market by End User
  - 8.2.1 Independent Power Producers
  - 8.2.2 Investor-Owned Utilities
  - 8.2.3 Public Power Utilities
  - 8.2.4 Rural Electric Cooperatives
- 8.3 North American Market by End User
- 8.4 European Market by End User
- 8.5 Asia-Pacific Market by End User
- 8.6 Rest of the World Market by End User

# **CHAPTER 9 MARKET BREAKDOWN BY CAPACITY RATING**

9.1 Overview



- 9.2 Global Market by Capacity Rating
  - 9.2.1 Below 2 MW
  - 9.2.2 2 MW to 4 MW
  - 9.2.3 Above 4 MW
- 9.3 North American Market by Capacity Rating
- 9.4 European Market by Capacity Rating
- 9.5 Asia-Pacific by Capacity Rating
- 9.6 Rest of the World Market by Capacity Rating

## **CHAPTER 10 MARKET BREAKDOWN BY END-USE SECTOR**

- 10.1 Overview
- 10.2 Global Market by End-Use Sector
  - 10.2.1 Residential
  - 10.2.2 Industrial
  - 10.2.3 Commercial
  - 10.2.4 Utility
- 10.3 North American Market by End-Use Sector
- 10.4 European Market by End-Use Sector
- 10.5 Asia-Pacific by End-Use Sector
- 10.6 Rest of the World Market by End-Use Sector

### **CHAPTER 11 MARKET BREAKDOWN BY REGION**

- 11.1 Overview
- 11.2 Global Market for Wind Turbines by Region
- 11.3 North American Market for Wind Turbines by Country
  - 11.3.1 U.S.
  - 11.3.2 Canada
  - 11.3.3 Mexico
- 11.4 European Market for Wind Turbines by Country
  - 11.4.1 Germany
  - 11.4.2 Turkey
  - 11.4.3 France
  - 11.4.4 Denmark
  - 11.4.5 U.K.
  - 11.4.6 The Netherlands
  - 11.4.7 Sweden
  - 11.4.8 Rest of Europe



- 11.5 Asia-Pacific Market for Wind Turbines by Country
  - 11.5.1 China
  - 11.5.2 India
  - 11.5.3 Japan
  - 11.5.4 Australia
  - 11.5.5 Vietnam
  - 11.5.6 Rest of Asia-Pacific
- 11.6 Rest of the World Market for Wind Turbines by Subregion
  - 11.6.1 South America
  - 11.6.2 Middle East and Africa

#### **CHAPTER 12 PATENT ANALYSIS**

- 12.1 Overview
- 12.2 Descriptions of Patent Related to Wind Turbines

#### **CHAPTER 13 COMPETITIVE LANDSCAPE**

- 13.1 Overview
- 13.2 Strategic Analysis
  - 13.2.1 Agreements/Contracts
  - 13.2.2 13.2.1 Product Launches
  - 13.2.3 Collaborations
  - 13.2.4 Acquisitions
- 13.3 Leading Players in the Global Market for Wind Turbines
- 13.4 Market Share Analysis
- 13.5 Wind Turbine Industry Structure
  - 13.5.1 Manufacturers
  - 13.5.2 Developers
  - 13.5.3 Owners
  - 13.5.4 Power Purchasers
- 13.6 Product Portfolio Analysis
  - 13.6.1 Product Mapping Analysis by Turbine Size Capacity
  - 13.6.2 Product Mapping Analysis by Installation Site
- 13.7 Key Developments
- 13.8 Information Resources in the Market for Wind Turbines

# **CHAPTER 14 COMPANY PROFILES**



CRRC CORP. LTD.

**ENERCON GMBH** 

**ENVISION ENERGY USA LTD.** 

GENERAL ELECTRIC

GUODIAN UNITED POWER TECHNOLOGY CO. LTD.

HYOSUNG HEAVY INDUSTRIES

MINGYANG SMART ENERGY GROUP CO. LTD.

NORDEX SE

SANY RENEWABLE ENERGY CO. LTD.

SEAWIND OCEAN TECHNOLOGY HOLDING B.V.

SHANGHAI ELECTRIC GROUP CO. LTD.

SIEMENS GAMESA RENEWABLE ENERGY

SINOVEL WIND GROUP CO. LTD.

SUZLON ENERGY LTD.

**VESTAS WIND SYSTEMS A/S** 

XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO. LTD.

ZHEJIANG WINDEY CO. LTD.

**CHAPTER 15 APPENDIX: ACRONYMS** 



# **List Of Tables**

## LIST OF TABLES

Summary Table: Global Market for Wind Turbines, by Region, Through 2027

Table 1: Current Achievements in the Wind Turbine Industry, 2022

Table 2: Sub-component Breakdown for Wind Turbines

Table 3: Standard Tower Height for Various Turbine Capacities

Table 4: Weights of Turbine Components for Various Vestas Wind Systems A/S Turbines

Table 5: Comparison of Capital Cost Breakdown for Typical Onshore and Offshore Wind Turbine Project

Table 6: New Projects for Offshore Wind Technology, August 2022-December 2022

Table 7: Global Market for Wind Turbines, by Type, Through 2027

Table 8: North American Market for Wind Turbines, by Type, Through 2027

Table 9: European Market for Wind Turbines, by Type, Through 2027

Table 10: Asia-Pacific Market for Wind Turbines, by Type, Through 2027

Table 11: Rest of the World Market for Wind Turbines, by Type, Through 2027

Table 12: Global Market for Wind Turbines, by Type of Installation, Through 2027

Table 13: North American Market for Wind Turbines, by Type of Installation, Through 2027

Table 14: European Market for Wind Turbines, by Type of Installation, Through 2027

Table 15: Asia-Pacific Market for Wind Turbines, by Type of Installation, Through 2027

Table 16: Rest of the World Market for Wind Turbines, by Type of Installation, Through 2027

Table 17: Global Market for Wind Turbines, by Grid Connectivity, Through 2027

Table 18: North American Market for Wind Turbines, by Grid Connectivity, Through 2027

Table 19: European Market for Wind Turbines, by Grid Connectivity, Through 2027

Table 20: Asia-Pacific Market for Wind Turbines, by Grid Connectivity, Through 2027

Table 21: Rest of the World Market for Wind Turbines, by Grid Connectivity, Through 2027

Table 22: Global Market for Wind Turbines, by End User, Through 2027

Table 23: North American Market for Wind Turbines, by End User, Through 2027

Table 24: European Market for Wind Turbines, by End User, Through 2027

Table 25: Asia-Pacific Market for Wind Turbines, by End User, Through 2027

Table 26: Rest of the World Market for Wind Turbines, by End User, Through 2027

Table 27: Global Market for Wind Turbines, by Capacity Rating, Through 2027

Table 28: North American Market for Wind Turbines, by Capacity Rating, Through 2027



- Table 29: European Market for Wind Turbines, by Capacity Rating, Through 2027
- Table 30: Asia-Pacific Market for Wind Turbines, by Capacity Rating, Through 2027
- Table 31: Rest of the World Market for Wind Turbines, by Capacity Rating, Through 2027
- Table 32: Global Market for Wind Turbines, by End-Use Sector, Through 2027
- Table 33: North American Market for Wind Turbines, by End-Use Sector, Through 2027
- Table 34: European Market for Wind Turbines, by End-Use Sector, Through 2027
- Table 35: Asia-Pacific Market for Wind Turbines, by End-Use Sector, Through 2027
- Table 36: Rest of the World Market for Wind Turbines, by End-Use Sector, Through 2027
- Table 37: Global Market for Wind Turbines, by Region, Through 2027
- Table 38: North American Market for Wind Turbines, by Country, Through 2027
- Table 39: European Market for Wind Turbines, by Country, Through 2027
- Table 40: Asia-Pacific Market for Wind Turbines, by Country, Through 2027
- Table 41: Rest of the World Market for Wind Turbines, by Subregion, Through 2027
- Table 42: Patents Published on Turbine Components, Jan. 2021-Dec. 2022
- Table 43: Competitive Information on the Top Players in the Global Market for Wind

Turbines, 2021

- Table 44: Product Mapping Analysis for Top Companies
- Table 45: Product Mapping by Installation Site
- Table 46: New Product Launches in the Global Market for Wind Turbines, by Key

Players, Jan. 2021-Dec. 2022

Table 47: Major Acquisitions in the Global Market for Wind Turbines, by Key Players,

Jan. 2021-Dec. 2022

Table 48: Collaborations in the Global Market for Wind Turbines, by Key Players, Jan.

2021-Dec. 2022

Table 49: Expansions in the Global Market for Wind Turbines, by Key Players, Jan.

2021-Mar. 2022

Table 50: Contracts/Partnership/Agreements/Joint Ventures in the Global Market for

Wind Turbines, by Key Players, Jan. 2021-Dec. 2022

Table 51: Information Resources in the Market for Wind Turbines

Table 52: CRRC Corp. Ltd.: Financial Overview, 2019-2021

Table 53: CRRC Corp. Ltd.: Product Portfolio

Table 54: ENERCON GmbH: Product Portfolio

Table 55: Envision Energy USA Ltd.: Product Portfolio

Table 56: General Electric: Recent Developments, 2022

Table 57: General Electric: Financial Overview, 2019-2021

Table 58: General Electric: Product Portfolio

Table 59: Guodian United Power Technology Co. Ltd.: Product Portfolio



Table 60: Hyosung Heavy Industries: Financial Overview, 2019-2021

Table 61: Hyosung Heavy Industries: Product Portfolio

Table 62: Ming Yang Smart Energy Group Co. Ltd.: Product Portfolio

Table 63: Nordex SE: Financial Overview, 2019-2021

Table 64: Nordex SE: Product Portfolio

Table 65: Sany Renewable Energy Co. Ltd.: Product Portfolio

Table 66: Seawind Ocean Technology Holding B.V.: Product Portfolio

Table 67: Shanghai Electric Wind Power Group Co. Ltd.: Financial Overview,

2019-2021

Table 68: Shanghai Electric Wind Power Group Co. Ltd.: Product Portfolio

Table 69: Siemens Gamesa: Financial Overview, 2019-2021

Table 70: Siemens Gamesa: Product Portfolio

Table 71: Sinovel Wind Group Co. Ltd.: Product Portfolio

Table 72: Suzlon Energy Ltd.: Financial Overview, 2019-2021

Table 73: Suzlon Energy Ltd.: Product Portfolio

Table 74: Vestas Wind Systems A/S: Recent Developments, 2022

Table 75: Vestas Wind Systems A/S: Financial Overview, 2019-2021

Table 76: Vestas Wind Systems A/S: Product Portfolio

Table 77: Xinjiang Goldwind Science & Technology Co. Ltd.: Financial Overview,

2019-2021

Table 78: Xinjiang Goldwind Science & Technology Co. Ltd.: Product Portfolio

Table 79: Zhejiang Windey Co. Ltd.: Product Portfolio

Table 80: Acronyms Used in This Report



# **List Of Figures**

### LIST OF FIGURES

Figure A: Research Methodology Steps Adopted for the Global Market for Wind Turbines

Summary Figure: Global Market Shares of Wind Turbines, by Region, 2021

Figure 1: New Upgrades for Wind Turbines

Figure 2: Increase in Hub Height (in Feet) in Relation to Turbine Capacity

Figure 3: Variables and Costs Involved in Wind Energy Projects

Figure 4: Parameters to Achieve Equitable Cost of Wind Energy Projects

Figure 5: Steps for Development of Wind Projects

Figure 6: Certification and Testing of Wind Turbines

Figure 7: Benefits of Wind Energy Over Conventional Energy Sources

Figure 8: Drawbacks of Wind Energy

Figure 9: Challenges with Wind Energy

Figure 10: Types of Wind Turbines

Figure 11: Off-Grid Wind Turbine

Figure 12: On-Grid Wind Turbine

Figure 13: Value Chain for Wind Turbines

Figure 14: Porter's Five Forces Model of the Market for Wind Turbines

Figure 15: PESTLE Analysis of the Market for Wind Turbines

Figure 16: Driving Forces of the Global Market for Wind Turbines

Figure 17: Renewable Power Capacity Growth, 2017-2021

Figure 18: Increase in Demand for Electricity, 2017-2022

Figure 19: Major Restraints in the Global Market for Wind Turbines

Figure 20: Current Trends in the Global Market for Wind Turbines

Figure 21: New Offshore Wind Energy Installation Capacity, 2017-2022

Figure 22: Increase in Rotor Size Leads Growth in Power Rating

Figure 23: Opportunities in the Global Market for Wind Turbines

Figure 24: Global Market Shares of Wind Turbines, by Type, 2021

Figure 25: North American Market Shares of Wind Turbines, by Type, 2021

Figure 26: European Market Shares of Wind Turbines, by Type, 2021

Figure 27: Asia-Pacific Market Shares of Wind Turbines, by Type, 2021

Figure 28: Rest of the World Market Shares of Wind Turbines, by Type, 2021

Figure 29: Global Market Shares of Wind Turbines, by Type of Installation, 2021

Figure 30: North American Market Shares of Wind Turbines, by Type of Installation, 2021

Figure 31: European Market Shares of Wind Turbines, by Type of Installation, 2021



- Figure 32: Asia-Pacific Market Shares of Wind Turbines, by Type of Installation, 2021
- Figure 33: Rest of the World Market Shares of Wind Turbines, by Type of Installation, 2021
- Figure 34: Global Market Shares of Wind Turbines, by Grid Connectivity, 2021
- Figure 35: North American Market Shares of Wind Turbines, by Grid Connectivity, 2021
- Figure 36: European Market Shares of Wind Turbines, by Grid Connectivity, 2021
- Figure 37: Asia-Pacific Market Shares of Wind Turbines, by Grid Connectivity, 2021
- Figure 38: Rest of the World Market Shares of Wind Turbines, by Grid Connectivity, 2021
- Figure 39: Global Market Shares of Wind Turbines, by End User, 2021
- Figure 40: North American Market Shares of Wind Turbines, by End User, 2021
- Figure 41: European Market Shares of Wind Turbines, by End User, 2021
- Figure 42: Asia-Pacific Market Shares of Wind Turbines, by End User, 2021
- Figure 43: Rest of the World Market Shares of Wind Turbines, by End User, 2021
- Figure 44: Global Market Shares of Wind Turbines, by Capacity Rating, 2021
- Figure 45: North American Market Shares of Wind Turbines, by Capacity Rating, 2021
- Figure 46: European Market Shares of Wind Turbines, by Capacity Rating, 2021
- Figure 47: Asia-Pacific Market Shares of Wind Turbines, by Capacity Rating, 2021
- Figure 48: Rest of the World Market Shares of Wind Turbines, by Capacity Rating, 2021
- Figure 49: Global Market Shares of Wind Turbines, by End-Use Sector, 2021
- Figure 50: North American Market Shares of Wind Turbines, by End-Use Sector, 2021
- Figure 51: European Market Shares of Wind Turbines, by End-Use Sector, 2021
- Figure 52: Asia-Pacific Market Shares of Wind Turbines, by End-Use Sector, 2021
- Figure 53: Rest of the World Market Shares of Wind Turbines, by End-Use Sector, 2021
- Figure 54: Global Market Shares of Wind Turbines, by Region, 2021
- Figure 55: North American Market Shares of Wind Turbines, by Country, 2021
- Figure 56: European Market Shares of Wind Turbines, by Country, 2021
- Figure 57: Asia-Pacific Market Shares of Wind Turbines, by Country, 2021
- Figure 58: Rest of the World Market Shares of Wind Turbines, by Subregion, 2021
- Figure 59: Shares of Patents Registered on Wind Turbines, by Assignee Country, 2021
- Figure 60: Shares of Patents Registered on Wind Turbines, by Assignee Country, 2022\*
- Figure 61: Shares of Patents Registered on Wind Turbines, by Top 10 Companies,
- 2021-2022
- Figure 62: Shares of Strategic Initiatives by Top Companies in the Global Market for
- Wind Turbines, Jan. 2021-Dec. 2022
- Figure 63: Wind Turbine Industry Structure
- Figure 64: CRRC Corp. Ltd.: Sales Share, by Segment, December, 2021
- Figure 65: CRRC Corp. Ltd.: Sales Share, by Region, December, 2021
- Figure 66: CRRC Corp. Ltd.: SWOT Analysis



Figure 67: General Electric: Sales Share, by Business Segment, December, 2021

Figure 68: General Electric: Sales Share, by Region, December, 2021

Figure 69: General Electric: SWOT Analysis

Figure 70: Hyosung Heavy Industries: SWOT Analysis

Figure 71: Nordex SE: Sales Share, by Segment, December, 2021

Figure 72: Nordex SE: Sales Share, by Region, December, 2021

Figure 73: NORDEX SE.: SWOT Analysis

Figure 74: Shanghai Electric Wind Power Group Co. Ltd.: Sales Share, by Segment,

2021

Figure 75: Shanghai Electric Wind Power Group Co. Ltd.: SWOT Analysis

Figure 76: Siemens Gamesa: Sales Share, by Segment, as of September, 2021

Figure 77: Siemens Gamesa: Sales Share, by Region, as of September, 2021

Figure 78: Siemens Gamesa: SWOT Analysis

Figure 79: Suzlon Energy Ltd.: Sales Share, by Segment, as of March 2022

Figure 80: Suzlon Energy Ltd.: Sales Share, by Region, as of March 2022Suzlon

Energy Ltd.: Sales Share, by Region, as of March 2022

Figure 81: Suzlon Energy Ltd.: SWOT Analysis

Figure 82: Vestas Wind Systems A/S: Sales Share, by Business Segment, December 2021

Figure 83: Vestas Wind Systems A/S: Sales Share, by Region, December 2021

Figure 84: Vestas Wind Systems A/S: SWOT Analysis

Figure 85: Xinjiang Goldwind Science & Technology Co. Ltd.: Sales Share, by Business

Segment, December, 2021

Figure 86: Xinjiang Goldwind Science & Technology Co. Ltd.: Sales Share, by Region,

December, 2021

Figure 87: Xinjiang Goldwind Science & Technology Co. Ltd.: SWOT Analysis



# I would like to order

Product name: Wind Turbines: Technologies, Applications and Global Markets

Product link: https://marketpublishers.com/r/W18A3226C5CEN.html

Price: US\$ 5,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/W18A3226C5CEN.html">https://marketpublishers.com/r/W18A3226C5CEN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970