

## Analyzing the Global Wind Energy Industry

URL:	<a href="https://marketpublishers.com/r/A65B2B12868EN.html">https://marketpublishers.com/r/A65B2B12868EN.html</a>
Date:	February 2, 2012
Pages:	150
Price:	US\$ 350.00
ID:	A65B2B12868EN

In many parts of the world, wind energy has already grown to be a mainstream energy source. This growth has long been driven by concerns about global climate change, mainly in the developed world and especially in Europe.

Wind energy has emerged as the most attractive solution to the world's energy challenges. It is clean and fuel-free. Moreover, wind is indigenous and enough wind blows across the globe to cope with the ever increasing electricity demand. Moreover, wind power generation is increasingly competitive with conventional fossil fuel sources and already today is on a par with new coal or gas fired power stations.

Aruvian's Research brings you a complete in-depth focus on the global wind energy in its report – Analyzing the Global Wind Energy Industry. The report explores the importance of wind power in today's energy-hungry world. The report looks at the basics of the wind power industry, that is, how a wind turbine works, analyzing and understanding the technologies involved in harvesting wind power, and much more. Economics, issues and barriers, regulatory incentives, tax incentives, and other such factors are also explored in-depth in this report. Aruvian's offering includes a complete analysis of the major countries investing in wind power, along with companies around the world which are making waves in the field of wind power. The report is a comprehensive A to Z guide on the global wind power industry.

### Table of Content

#### A. EXECUTIVE SUMMARY

#### SECTION 1: OVERVIEW OF WIND ENERGY

#### B. HISTORICAL BACKGROUND OF INDUSTRY

#### C. GLOBAL WIND POWER SCENARIO

- Europe
- North America
- Asia
- Latin America
- Australasia
- Africa
- Offshore

#### D. CURRENT MARKET SCENARIO

#### E. GROWTH DRIVERS FOR WIND ENERGY

- Supply Security

Environmental Potential  
Economic Feasibility  
Employment & Development of Rural Areas  
Technology

## **F. BENEFITS OF WIND ENERGY**

Economically Competitive  
Value of Wind Energy to Rural Community  
Lack of Consumption of Water  
National Security  
Renewable  
Environmental Benefits  
No Fluctuations in Prices  
Myriad Uses

## **G. GLOBAL WIND RESOURCES & GRID INTEGRATION**

Assessment of Wind Resources  
Grid Integration & Variability  
Challenges & Barriers in Wind Power Integration  
System Operation  
Grid Connection & Stability of System  
Improvements in Infrastructure

## **H. ENVIRONMENTAL IMPACTS OF WIND POWER**

### **I. OFFSHORE WIND FARMS**

Impact of Offshore Wind Farms

### **J. ECONOMICS OF WIND ENERGY**

Investment  
Generation Costs

### **K. US ENERGY SUBSIDIES & WIND ENERGY**

### **L. TECHNICALITIES OF WIND ENERGY**

Introduction  
Energy Availability in Wind  
Wind Resource  
Converting Wind into Energy  
Types of Windmill Rotors  
Analyzing Windmill Performance  
Wind Power & Capacity Factor

### **M. REGULATORY FRAMEWORK FOR WIND ENERGY**

### **N. REFORMS IN THE ELECTRICITY MARKET & WIND POWER**

Removal of Barriers  
Removal of Market Misrepresentations

## **O. WIND ENERGY FOR RURAL ECONOMIC DEVELOPMENT**

- Job Creation
- Landowner Revenues
- Improved Local Tax Base
- Mitigating Natural Gas Prices
- Wind Energy vs. Conventional Energy

## **P. BUILDING A WIND FARM**

- Identifying the Site
- Preparing the Site
- Building the Farm

## **Q. SMALL WIND ENERGY SYSTEMS**

- Introduction to Small Wind Energy
- Technologies Available
- Grid-Connected Systems
- Stand-Alone Systems
- Building-Mounted Turbines
- Turbine Sizes
- Setting up a Small Wind Turbine
- Economics of Small Scale Wind Energy

## **R. INDUSTRY OUTLOOK**

## **SECTION 2: COUNTRY ANALYSIS**

### **S. AUSTRALIA**

- Wind Power in Australia
- Wind Power & Electricity Grids
- Wind Power Policy in Australia

### **T. CHINA**

- China's Wind Resources
- Policy & Market Development
- Tax Incentives
- Wind Power Concessions
- Financing Programs
- R&D Programs

### **U. CANADA**

- Canada's Wind Energy
- National Policy
- Commercial Implementation of Wind Power
- Market Developments
- Deployment of Wind Energy & Barriers
- Economics
- Government R&D

### **V. INDIA**

Historical Background  
Present Market Scenario

## **W. UK**

Wind Energy in UK  
Availability  
Wind Events  
Capacity Factor in UK  
Wind Power & Electricity Demand  
Transmission Requirements

## **X. WIND ENERGY INCENTIVES**

United States  
Germany  
Denmark  
India

## **SECTION 3: LEADING PLAYERS & PROJECTS**

### **Y. LEADING PLAYERS**

Horizon Wind Energy  
Cielo Wind Power  
Orion Energy  
Renewable Energy Systems  
GE  
Suzlon Energy  
Leader Wind Corporation  
MidAmerican Energy Company  
Vestas Wind Systems A/S  
Wintec Energy, Ltd

### **Z. PROJECT PROFILES**

Green Mountain Energy  
Enercon's Project in Jaisalmer, India  
Deeping St Nicholas  
Altamont Pass  
San Gorgonio Pass  
Gray County Wind Farm  
Callagheen  
JD Wind III  
Wolf Wind Farm  
F.E. Warren Air Force Base

## **SECTION**

### **AA. APPENDIX**

### **BB. GLOSSARY OF TERMS**

### I would like to order:

**Product name:** Analyzing the Global Wind Energy Industry  
**Product link:** <https://marketpublishers.com/r/A65B2B12868EN.html>  
**Product ID:** A65B2B12868EN  
**Price:** US\$ 350.00 (Single User License / Electronic Delivery)

*If you want to order Corporate License or Hard Copy, please, contact our Customer Service: [office@marketpublishers.com](mailto:office@marketpublishers.com)*

### Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click 'BUY NOW' button on product page <https://marketpublishers.com/r/A65B2B12868EN.html>

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

First name:  
Last name:  
E-mail:  
Company:  
Address:  
City:  
Zip/Post Code:  
Country:  
Tel:  
Fax:  
Your message:

\* All fields are required

Customer Signature \_\_\_\_\_

Please, note that by ordering from MarketPublisher.com you are agreeing to our Terms & Conditions at [https://marketpublishers.com/docs/terms\\_conditions.html](https://marketpublishers.com/docs/terms_conditions.html)

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**