

Analyzing the Wind Power Market in EU 2015

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Abstracts

As demand on finite petroleum reserves and the price of the fuels derived from them continues to rise, renewable forms of energy are becoming more cost-effective and profitable. In the forefront of this renewable revolution is harnessing the sustainable power of wind. The rise of wind energy is no longer being looked upon as an alternate source of energy.

Europeans have always been highly favorable to wind energy, and over the last eight years, only new gas capacity has exceeded new wind power capacity in the EU. Since 2000, 30% of all installed electricity generating capacity in the EU has been wind power. While wind energy today meets 3.7% of EU's electricity demand, the technology is already the second largest contributor to economic activity and employment in the area of power plant manufacturing.

The European Union has set a binding target of 20% of its energy supply to come from wind and other renewable sources by 2020. In order to achieve this 20% energy target, more than one-third of the European electrical demand would have to come from renewables, with wind power expected to deliver 12-14%.

Aruvian Research's report, *Analyzing the Wind Power Market in EU*, is a complete analysis of the wind energy industry in the EU. The report analyzes the present global and regional market scenario, the prevalent wind resources in this continent, governmental policies, future projections, detailed analysis of the leading countries and much more.

Aruvian's research report *Analyzing the Wind Power Market in EU* starts off with an analysis of the basics about wind power and then takes a look at the various factors driving the wind power industry worldwide, and especially in the European Union. The economic feasibility of wind power is also a factor that is touched upon during the

analysis of factors driving growth in the wind power industry worldwide.

Following the basics, we take time to analyze the global wind power market in which we look at the present-day wind power market statistics, global wind power resources, and of course the section would not be complete without a future perspective on the global wind power industry.

Moving on to the European Union, we analyze the energy situation in the European Union to better understand the need for wind power in the European Union and also to focus on the energy consumption and production scenario in the EU.

Aruvian Research's report *Analyzing the Wind Power Market in EU* also helps you understand the energy challenges facing the European Union – such as the global climate change, requirement for fresh investment in the transmission and distribution grids across the EU, and many other challenges.

Analyzing the Wind Power Market in EU, we focus on the overall market statistics, the new Directive on Renewable Energy in the EU, wind resources in the EU, and of course a country-wise analysis of the wind power industry. The country-wise analysis focuses on industry statistics, major developments in the industry, and the overall situation for wind power in the country. We also provide an analysis of the regulatory support schemes for wind energy in the EU-27. This includes an analysis of the feed-in tariff schemes offered by governments as well as the option of tradable green certificates, amongst others. The demand for electricity in the European Union and how wind power is playing a crucial role in fulfilling EU targets is looked at in great detail in this research report.

An analysis of the major onshore wind farms in the EU (operational and planned) further enhances the value of Aruvian's report on the *Wind Power Market in EU*.

An analysis of the offshore wind power in the EU makes up a large part of this report. This section includes a country-wise analysis of the major regions involved in offshore wind power developments, the benefits of offshore wind power for the European Union, the challenges facing offshore wind power in the EU, the role of offshore wind power in meeting the targets of the Kyoto Protocol, and an analysis of the major offshore wind farms in the EU. A case study takes a look at the fast-growing offshore wind energy in China and also compares the offshore wind energy in the EU versus the United States. Economic value of an offshore grid in the European Union is also described here.

The developing supply chain in the EU offshore wind industry takes a look at two cost drivers that include the turbine supply chain in the industry and also the availability of substructures.

Leading offshore wind turbine manufacturers such as Siemens, Vestas, Nordex, Repower, BARD Engineering, and Multibrid/Areva are analyzed keeping in mind their role in the offshore wind sector.

The future of the wind power industry in the EU is looked at in the report, while keeping in mind the various challenges the market faces in the future.

Leading industry players such as Acciona, Airtricity, Alstom, Ecotecnia, etc., are all analyzed in details in the research report.

This research report from Aruvian's R'search on the wind power market in the EU is a comprehensive study on this subject, and provides you with a complete picture of what is going on in both the onshore and offshore wind power markets in the European Union.

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