

Analyzing Small Wind Turbines

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Abstracts

For the last ten years worldwide wind turbine sales have grown approximately 29% annually and wind power is now the world's fastest growing source of energy. For the next twenty years it is expected to expand at double-digit rates.

The industry was affected by the global financial crisis and 2010 was a challenging year for the global wind turbine industry. However, the silver lining is that though the global wind installations will not be able to match the record installations of 2008, a strong rebound has taken place after 2010 with wind plant investment expected to reach \$50 billion annually by the end of 2015. Also the dip in overall wind market demand that has followed the financial constraints has not constrained wind industry development & technology innovation.

The global wind turbine market is dominated by a small number of original equipment manufacturers (OEMs), but market competition is increasing as new OEMs enter the industry. Manufacturers are developing the next generation of wind turbines in the US and Europe. Government support of markets in Europe, India and other developing countries, has been largely responsible for burgeoning sales, providing manufacturers with cash flow to conduct private development efforts. European manufacturers currently supply most of the world market for utility-scale wind turbines and therefore provide the majority of the private investment in Research and Development.

Since wind turbines have many applications from the smallest to the biggest, Aruvian Research presents a research report solely focusing on Small Wind Turbines and the role they play in the global wind power industry. The report provides a numerical base of the wind turbine market by providing detail on wind turbine market on the demand as well as turbine numbers and size installed in major markets which also give an insight on the trends which are being noticed in such established markets globally.

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