

Analyzing the Global Nuclear Turbine Market

<https://marketpublishers.com/r/AAA5A7314CEEN.html>

Date: August 2012

Pages: 280

Price: US\$ 650.00 (Single User License)

ID: AAA5A7314CEEN

Abstracts

There is a growing realization globally that the surging power demands cannot be met forever with all the available conventional sources or methods. The average global power consumption of 15 terawatts is a number which may sound mind boggling if only the perspective was set in 2008. Today, the global energy demands have soared much farther than that. The scenario only starts looking painful once the monopoly of fossil fuels is factored in and their impact on the environment. It is, however, not a lost cause. It is a simple case of work in progress as human ingenuity often overrules natural limitation.

One of the examples of such effort is nuclear power generation. It is the result of technological effort and pursuit for energy security that the global energy pie today consists of nuclear energy. The overall contribution of nuclear energy still remains a small piece of that pie which is largely due to the extensive safeguards in place. An important challenge in the nuclear energy jigsaw is the production and generation. A turbine is the heart of any and every power generation exercise. It brings out the end result of such exercise in the form of power for human consumption. Aruvian's R'search report presents a comprehensive understanding of this vital link in the form of Analyzing the Global Nuclear Turbine Market.

The report equips the user with a comprehensive understanding of the basics of the global nuclear energy industry. This is delivered through a historical perspective of the industry as well as the revival phase of nuclear energy. The report delves into a complete profile of global nuclear power industry by explaining the revival phase as well as basics of nuclear power plants. The various possibilities which are being explored for augmentation of nuclear capacity, life extensions or even decommissioning are also explained in this report.

An effort has been made to keep the report abreast of the latest developments in this

industry. This report provides a complete section on the latest development in this industry which is the development of accelerator-driven nuclear systems. It merits special attention as these systems are an industry breaching accomplishment and are paving the way for the future. This can be better understood by the complete theoretical basis of nuclear reactor technology provided in this report.

This is examined in detail and even quips the user with four different methods which are used by the industry to classify the nuclear reactors globally. This base is further strengthened by a complete section on understanding the different types of nuclear reactors which are in operation globally. This exhaustive section equips the user with a nearly complete knowledge map of the global nuclear reactor activity except for countries wherein this technology is under debate.

The report delivers a technical understanding of nuclear turbine technology and some of the turbines made in this industry by various contributors worldwide. The nuclear turbine market is further analyzed by studying the impact of power uprating and application of some bold steps such as modernization of steam turbines for nuclear power plants. Taking a divergent view, this report peppers the development of nuclear turbine technology in comparison to the fossil turbines and some of challenges coming forward by the implementation of nuclear turbines.

The manufacturers which are spread globally and those that have made major contributions to bringing this technology alive and installing it at various locations are also analyzed in depth in this report. The report provides a comprehensive understanding of the market strength of these manufacturers by profiling them globally and examining each of them in business segments as well as in SWOT analysis.

The report is an exhaustive and comprehensive guidebook on the global nuclear turbine market and is an effort to recognize and understand the impact of this new age technology on the energy future of the world.

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