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Analyzing Nuclear Power in China

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Abstracts

Following the Fukushima accident in March 2011, the Chinese State Council, announced on March 16 that it would suspend approvals for new nuclear power stations and conduct comprehensive safety checks of all nuclear projects, including those under construction. About 34 reactors were already approved by the central government of which 26 were being built. The Shidaowan HTR, though ready for first concrete, was also deferred.

The report - Analyzing Nuclear Power in China - by Aruvian's R'search, explores the importance of nuclear power in today’s world, with Section One being dedicated to Understanding the Basics of Nuclear Power. The report looks at the basics of the nuclear industry that is, how a plant works, analyzing and understanding the fuel cycle, the various components which are involved in the working of a nuclear power plant, and much more. Economics, issues and barriers, and other such factors are also explored in-depth in this report.

Section 1 also profiles the global nuclear power industry and looks at the market statistics for the years 2010 to 2019 (forecast). Price trends, industry trends, economic trends impacting the global nuclear industry are all analyzed in this section. We also look at the challenges facing nuclear power in today's world.

An in-depth analysis of the Fukushima Nuclear Accident in Japan in 2011 is included in section 1.

Future of the global nuclear power industry till 2019 wraps up section one of the report Analyzing Nuclear Power in China.

Moving on to section 2 of the report, we analyzing the nuclear power market in China in this section. Beginning with an analysis of the energy landscape of China, we look at

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the role nuclear power has to play in the country. Market statistics, regulatory framework, Uranium fuel cycle policies, and nuclear non-proliferation are some of the topics that are analyzed.

We analyze reactor technology that is available in the Chinese nuclear power industry such as the Areva EPR reactors, BWR reactors, Candu reactors, CNP-1000 reactors, and many others.

We also analyze the operating nuclear power plants in China such as Daya Bay nuclear power plant, Ling Ao nuclear plant, etc. Upcoming or planned nuclear plants in the country are also analyzed in-depth in the report, followed by an analysis of the nuclear fuel cycle in China.

Challenges facing the development of the nuclear power industry in China such as issues in supply chain, regulatory barriers, low public acceptance and others are looked at in the report.

Major players that make up the structure and ownership of the nuclear power industry in China such as the China Atomic Energy Authority, China Nuclear Energy Association, China National Nuclear Corporation and others are analyzed in the report.

Forecast for the industry till 2019 is included in the report, along with a brief profile on the US-China cooperative initiatives on nuclear power.

Section 3 of the report is the conclusion section and looks at case studies of major nuclear accidents around the world followed by listings of major nuclear trade & industry organizations, regulation and regulators for the global nuclear industry, global nuclear research centers, etc.

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