

Global Markets Direct: The Future of the Power Industry - Nuclear's Role in the Energy Mix on reports-research.com

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Nuclear energy is increasingly becoming a preferred source of electricity generation in many countries in the world.

"The Future of Nuclear Power: Nuclear's Share in the Energy Mix" is a new report from Global Markets Direct, the leading business information provider, presenting in-depth analysis and forecast on the future of nuclear energy in the world. With the existing nuclear players planning to increase their nuclear share and with many more new countries showing their willingness to tap nuclear energy, the nuclear industry is set to play a key role in the global energy mix. The growing demand for electricity, concerns about the dependency on conventional fuels and price fluctuation of petroleum fuels will drive the growth of nuclear energy in the coming years.

Low Operational Cost to Positively Contribute to the Growth of Global Nuclear Industry

Though the overnight construction cost of nuclear power facilities is relatively higher than the conventional thermal power facilities, low operational cost especially the fuel cost keeps adds great importance to nuclear energy in the world. Another factor that makes the nuclear power industry viable to many countries is the advanced technologies that make nuclear operations safer than before.

Nuclear Power Generation Technologies will play a key Role in the Development of Global Nuclear Power Sector. The new nuclear plant designs that belong to Generation III+ and Generation IV technology are expected to raise the interest of the global community towards nuclear energy sector. The advanced technologies such as EPR and AP600/1000 will have wider acceptability as they possess passive safety measures. In the report, Global Markets Direct explores some of the popular nuclear power reactor technologies as they will play a key role in the global nuclear power generation industry in the years ahead.

Nuclear Installed Capacity and Generation to Grow Worldwide

Global Markets Direct forecasts the global installed nuclear power capacity to grow at an annual average growth rate of 0.9% from 2000 through 2015. The power generation is expected to grow at an average annual growth of 1 percent from 2000 through 2015. The end of 2009 and 2013 will also witness Iran and Italy beginning their nuclear energy production. While Iran will be the first country from the Middle Eastern region to produce nuclear power, the return of Italy in nuclear power production will mark a renewed interest among countries towards nuclear electricity generation. The report provides a deeper analysis on the nuclear installed capacity and generation growth in major countries in the coming years.

Growth of Global Nuclear Power Sector Indicates Higher Investments

The global nuclear industry is set to expand in the coming years, making significant contributions to the electricity sector worldwide. It is important to note that technology worldwide has advanced and is all set to present a nuclear power industry which is many times safer than the existing nuclear industry. Worldwide, more than 30 nuclear reactors are currently under construction. There are also more than a hundred nuclear reactors in the planned and proposed stage around the world. This will add a significant number of reactors to the existing fleet of nuclear facilities. This report presents an analysis of key countries and their nuclear industry expansion plans in terms of new reactors. The report provides key information regarding the upcoming nuclear reactors in these countries, which include type of reactors, planned capacity, key operators and name of

the facilities.

Emerging Nuclear Power Countries to boost the Global Nuclear Industry Growth

Currently Nuclear Power plays an unavoidable role in the energy mix of 31 countries in the world. More than 30 countries are also planning to build nuclear power facilities in the coming years as their domestic demand for power has been growing. Though the nuclear plans in many countries in Europe are in the advanced planned stage, some member states such as Turkey are facing lack of domestic consensus due to the Chernobyl radiation issues. With regards to Africa, which has about 18 percent of the global uranium reserves, development of nuclear power could address some of the energy security concerns. These emerging countries will serve as potential markets for nuclear technology suppliers, equipment manufacturers and other nuclear industry players.

Global Markets Direct: The Future of the Power Industry- Nuclear's Role in the Energy Mix:

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