Global Nuclear Energy Market: Trends & Opportunities (2013-2018)

Daedal Research

Global Nuclear Energy Market

Scope of the Report

The report titled "Global Nuclear Energy Market: Trends and Opportunities (2013-2018)" analyzes the potential opportunities and significant trends in the global nuclear energy market. The report provides detailed analysis of the global nuclear energy market, with focus on regional markets such as Asia, North America and Europe. The report assesses the growth of nuclear energy in China, United States, South Korea and France and presents the analysis of the current market size and also forecasts the future market size of these nuclear energy markets. The report also profiles and analyzes the business strategies of the leading companies operating in the segment.

Geographical Coverage

- Global
- North America
- The U.S
- Europe
- France
- Asia
- China
- South Korea

Company Analysis

- Areva
- ROSATOM
- General Electric
- KEPCO

Global Nuclear Energy Market

Executive Summary

Nuclear power has been used to produce electricity for public distribution since 1954 and electricity generated via nuclear power reached its highest level of 3280 terawatts hours in 2011. However, the growth rate of electricity produced via nuclear energy reduced marginally in 2012 as a result of an accident at the Fukushima Daiichi nuclear power plant in Japan. Globally the Fukushima Daiichi accident is expected to slow the growth of nuclear power but not reverse it.

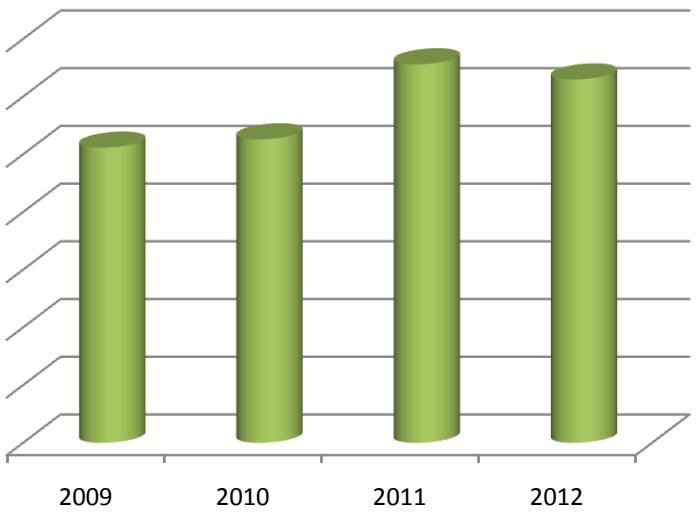
The growth of nuclear power industry is strong, despite concerns about the safety of nuclear power plants. An increase in demand of electricity and growing concern for the environment is likely to drive the nuclear energy market.

Electricity produced through nuclear energy is considered the most viable method as there are environmental concerns in production of electricity by fossil fuels. Further, the prices of fossil are increasing and the resource base is decreasing, whereas in case of nuclear energy, uranium resource base is abundant worldwide. The highest growth in nuclear generation is expected in Asia, specifically China, South Korea and India as nuclear electricity generation in the region will increase with the setting up of new nuclear reactors and there will be growing demand for electricity as a result of increasing population and industrialization.

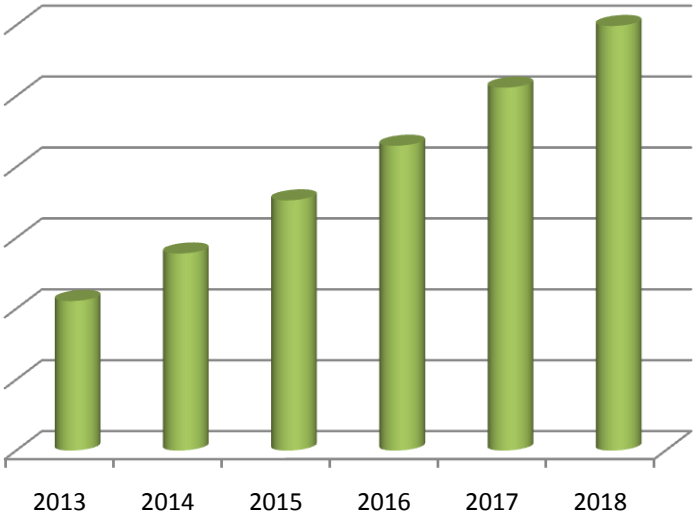
Global Nuclear Energy Market: An Overview

Nuclear energy marketing saw a slow down after the Fukushima Daiichi disaster of Japan, but the nuclear market is expected to grow in the coming years because of the increasing demand of electricity, rising price of fossil fuels and environmental concerns.

Global Electricity Generation by Nuclear Energy from 2009-2012 (TWh)



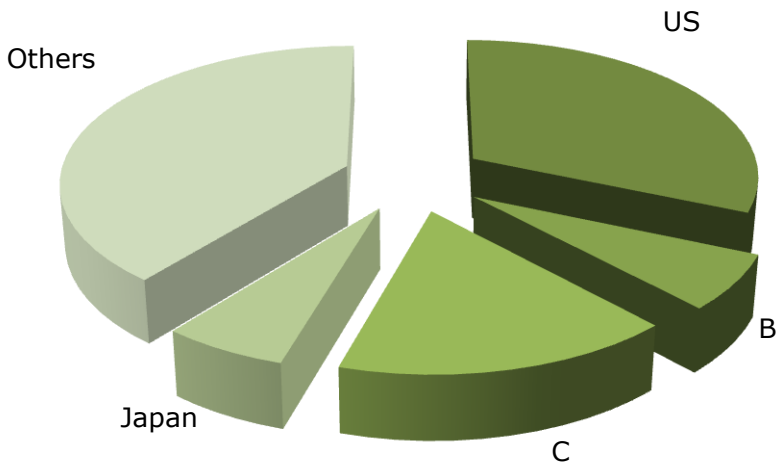
Global Electricity Generation by Nuclear Energy Forecast from 20013-2018 (TWh)



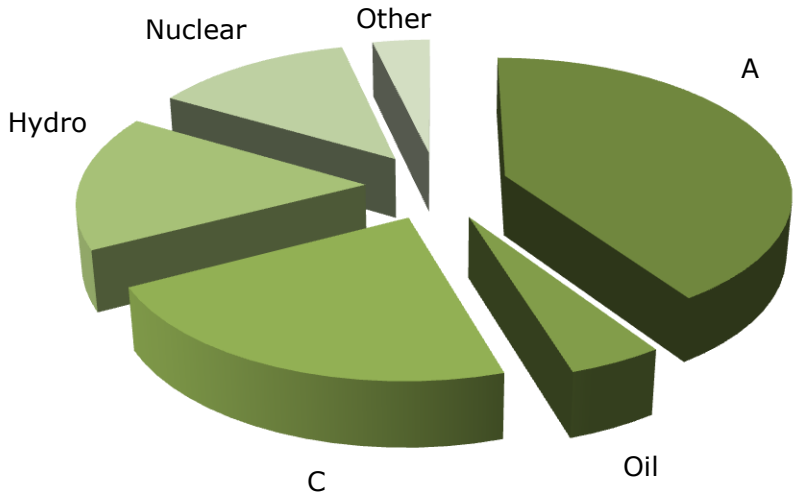
- The industry grew at a CAGR of ……% during the period 2009-2012.
- Market size of nuclear energy market in 2018 is expected to reach to US$ ……..billion from US$ …… billion in 2012 by growing at a CAGR of……%.
- Growth in the industry is due to increasing price of fossil fuel, growth in Asian countries…….

Global Nuclear Energy Market Share by Category

Global Nuclear Energy Market Share by Consumption in 2011



Fuel Share of electricity Generation in 2011



- ……. accounted for ….% share of total consumption in the year 2011, while the U.S accounts for ……..% of the market share.
- In 2011, around …….% of the total electricity was generated by…… whereas ……. generated ……% of electricity.

Market Trends

Advance Nuclear Reactor Power

- .....
- .....
- .....
- .....

Nuclear innovation Program

- .....
- .....
- .....
- .....

Partitioning and Transmutation of Radioactive Waste

- .....
- .....
- .....
- .....
- .....