

Global Nuclear Energy Market 2012-2017: Emerging Technologies and Safety Measures, December 2012

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Abstracts

The global nuclear energy market, which grew slightly over the last five years, is expected to accelerate somewhat to reach approximately 446 GW by 2017 with a CAGR of 3.3% over the next five years.

Lucintel, a leading global management consulting and market research firm, has analyzed the global nuclear energy market and presents its findings in “Global Nuclear Energy Market 2012- 2017: Emerging Technologies and Safety Measures.”

This report considers nuclear energy installations for the global market and different regions, emerging technologies, and safety measures used in the production of nuclear energy.

Lucintel's research indicates the global nuclear energy market grew at a CAGR of 0.6% during 2006-2011. The market reached roughly 368 GW with approximately 430 reactors under operation in 2011. The market for nuclear energy does seem to be expanding, with demand potential anticipated during the 2012-2017 period. The market is likely to require ongoing technical innovations to make nuclear energy more competitive with other forms of energy.

The primary use of nuclear energy is to generate electricity. Nuclear power is generated by heat from nuclear fission, which is used to boil water and release steam. The steam turns a turbine that is connected to a generator that creates electricity. Nuclear energy, a clean and efficient way to produce electricity, is best applied to meeting the “base-load” demand. Uranium is the basic fuel for nuclear energy; approximately 65% of the world's uranium production comes from mines in Kazakhstan, Canada, and Australia.

In the global cumulative nuclear energy market in 2011, Europe emerged as the leading market in total GW of installed capacity. In terms of annual installation in 2011 itself, the Asia Pacific region had the largest market share with 53% of total installation and an 8.2% CAGR during 2006-2011. Europe was the second-largest market for nuclear installation with 24% in 2011, followed closely by the Rest of the World region with 23%.

The scope of this market study covers market size, market trends, and forecasts for the global and regional nuclear energy installations and technology innovations and safety concerns. This unique report from Lucintel will provide you with valuable information, insights, and tools needed to identify new growth opportunities and operate your business successfully in this market. This report will save hundreds of hours of your own personal research time and will significantly benefit you in expanding your business in this market. In today's stringent economy, you need every advantage that you can find.

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