

# Nuclear Power Market Growth Trends and Size: Projected USD 46.10 Bn by 2031 | GE-Hitachi Nuclear Energy Inc.

*Nuclear power market is estimated to be valued at USD 35.27 Bn in 2024 and is expected to reach USD 46.10 Bn by 2031, growing (CAGR) of 3.9% from 2024 to 2031.*

BURLINGAME, CA, UNITED STATES,  
September 12, 2024 /

EINPresswire.com/ -- The latest market intelligence report published by CMI with the title "Global Nuclear Power Market 2024, Growth Opportunities, and Forecast" provides actionable insights on Energy industry. The report provides demand analysis, industry insights, competitive intelligence, and customer database.



Nuclear Power Market Insights

The Research report on Nuclear Power Market presents a complete judgment of the market through strategic insights on future trends, growth factors, supplier landscape, demand landscape, Y-o-Y growth rate, CAGR, pricing analysis. It also provides and a lot of business matrices including Porters Five Forces Analysis, PESTLE Analysis, Value Chain Analysis, 4 Ps' Analysis, Market Attractiveness Analysis, BPS Analysis, Ecosystem Analysis.

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\*Note: Sample of the report provides details on the scope and coverage, table of contents, research methodology, and Sample Framework of the report. Actual report of 150+ is available for purchase to all the interested stakeholders.

Key opportunities

1. **Decarbonization Goals:** As countries work to meet their climate goals and reduce greenhouse gas emissions, nuclear power presents a low-carbon energy source that can help achieve these targets. Its ability to provide consistent, base-load power makes it a valuable component of a balanced energy portfolio.
2. **Advanced Reactor Technologies:** The development of advanced nuclear reactors, such as small modular reactors (SMRs), next-generation reactors, and high-temperature reactors, presents significant opportunities. These technologies promise improved safety, efficiency, and flexibility compared to traditional reactors.
3. **Nuclear Fusion:** While still in the experimental phase, nuclear fusion holds the potential for a virtually limitless and clean energy source. Advances in fusion research could transform the energy landscape if commercial viability is achieved in the future.
4. **Hydrogen Production:** Nuclear power can play a role in producing hydrogen through high-temperature electrolysis or thermochemical processes. This aligns with global trends towards hydrogen as a clean energy carrier and can enhance the value proposition of nuclear power.
5. **Grid Stability and Reliability:** Nuclear power can contribute to grid stability and reliability, especially in regions with a high share of intermittent renewable energy sources. Its base-load capacity can complement renewables and help manage fluctuations in energy supply.

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Detailed Segmentation and Classification of the report (Market Size and Forecast – 2031, Y-o-Y growth rate, and CAGR):

- By Reactor Type:

- Pressurized Water Reactor and Pressurized Heavy Water Reactor

- Boiling Water Reactor

- High-temperature Gas-cooled Reactor

- Liquid Metal Fast Breeder Reactor

- Other Reactor Types

- By Application:

- Energy

- Defence

- Others

- By Regions and Countries
  - o North America
  - o Europe
  - o Asia-Pacific
  - o South America
  - o Middle East & Africa

Following are the players analyzed in the report:

- GE-Hitachi Nuclear Energy Inc.
- Westinghouse Electric Company LLC
- STP Nuclear Operating Company
- SKODA JS AS
- China National Nuclear Corporation
- Bilfinger SE
- BWX Technologies Inc.
- Doosan Heavy Industries & Construction Co. Ltd
- Mitsubishi Heavy Industries Ltd
- Bechtel Group Inc.
- Japan Atomic Power Co.
- Rosatom Corp.
- KEPCO Engineering & Construction
- Areva
- Framatome
- Bharat Heavy Electricals Limited
- SENPEC

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Deep-dive Analysis:

The Report provides deep-dive qualitative and quantitative analysis on Nuclear Power Market for all the regions and countries covered below:

- North America (the United States, Canada, and Mexico)
- Europe (Germany, France, Italy, United Kingdom, SCANDIVAN, Benelux, Russia, and Rest of Europe)
- Asia-Pacific (Japan, South Korea, India, China, Southeast Asia, and Australia)
- South America (Brazil, Argentina, and Rest of South America)
- Middle East & Africa (Saudi Arabia, UAE, Israel, South Africa, and Rest of the Middle East & Africa)

- Each Country is covered in detail, and report provides qualitative and quantitative analysis on Nuclear Power Market on each country.

The research provides answers to the following key questions:

1. What is the estimated growth rate of the market for the forecast period 2024-2031? What will be the market size during the estimated period?
2. What are the key driving forces responsible for shaping the fate of the Nuclear Power market during the forecast period?
3. Who are the major market vendors and what are the winning strategies that have helped them occupy a strong foothold in the Nuclear Power market?
4. What are the prominent market trends influencing the development of the Nuclear Power market across different regions?
5. What are the major threats and challenges likely to act as a barrier in the growth of the Nuclear Power market?
6. What are the major opportunities the market leaders can rely on to gain success and profitability?

Key insights provided by the report that could help you take critical strategic decisions?

- Regional report analysis highlighting the consumption of products/services in a region also shows the factors that influence the market in each region.
- Reports provide opportunities and threats faced by suppliers in the Nuclear Power and tubes industry around the world.
- The report shows regions and sectors with the fastest growth potential.
- A competitive environment that includes market rankings of major companies, along with new product launches, partnerships, business expansions, and acquisitions.
- The report provides an extensive corporate profile consisting of company overviews, company insights, product benchmarks, and SWOT analysis for key market participants.
- This report provides the industry's current and future market outlook on the recent development, growth opportunities, drivers, challenges, and two regional constraints emerging in advanced regions.

Author of this marketing PR:

Priya Pandey is a dynamic and passionate PR writer with over three years of expertise in content writing and proofreading. Holding a bachelor's degree in biotechnology, Priya has a knack for making the content engaging. Her diverse portfolio includes writing contents and documents across different industries, including food and beverages, information and technology, healthcare, chemical and materials, etc. Priya's meticulous attention to detail and commitment to excellence make her an invaluable asset in the world of content creation and refinement.

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Coherent Market Insights is a global market intelligence and consulting organization that provides syndicated research reports, customized research reports, and consulting services. We are known for our actionable insights and authentic reports in various domains including aerospace and defense, agriculture, food and beverages, automotive, chemicals and materials, and virtually all domains and an exhaustive list of sub-domains under the sun. We create value for clients through our highly reliable and accurate reports. We are also committed in playing a leading role in offering insights in various sectors post-COVID-19 and continue to deliver measurable, sustainable results for our clients.

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