

# Global Nuclear Steam Generator Market Size study & Forecast, by Design (Horizontal, Vertical) by Reactor Type (Pressurized Water Reactor (PWR), Pressurized Heavy Water Reactor, Boiling Water Reactor and Others) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/GCD3C862332BEN.html>

Date: May 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GCD3C862332BEN

## Abstracts

Global Nuclear Steam Generator Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2023-2030. A nuclear steam generator is a component used in pressurized water reactors (PWRs) to transfer heat from the primary coolant, which circulates through the reactor core, to the secondary coolant, which produces steam to drive the turbine-generator set. The Nuclear Steam Generator Market is expanding because of factors such as increasing demand for electricity and the rising number of nuclear power plants across the globe.

The rising adoption of electricity generation through nuclear power and the rising construction of nuclear power plants across the world is driving the market growth. According to International Atomic Energy, the world nuclear-generating capacity to double to 792 gigawatts (net electrical) by 2050 from 393 GW by the year 2021. Along with these, in the year 2022, India Government plans to construct, 20 nuclear power plants by the year 2031, these plants would be generating nearly 15,000 MW in power generating capacity, Thus the development of nuclear power plants and rising electricity generation through nuclear power plants is driving the market growth. In addition, rising technological advancement and rising funding for renewable energy generation is creating a lucrative opportunity for the market. The successful launch of this Design may provide patients with an alternative option. However, the high cost of Nuclear Steam Generator and safety risks associated with renewables stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Nuclear Steam Generator Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to rising government initiatives for the development of nuclear power plants, and rising investment in renewable energies. Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as rising development and construction projects for nuclear power plants in the region and government support to the industry.

Major market player included in this report are:

Mitsubishi Heavy Industries Ltd  
Westinghouse Electric Company LLC  
Bharat Heavy Electricals Limited  
Hitachi-GE Nuclear Energy Ltd  
BWX Technologies Inc.  
Bilfinger SE  
Larsen & Toubro Limited  
Doosan Corp  
Babcock & Wilcox Enterprises Inc.  
Toshiba America Energy Systems Corporation

Recent Developments in the Market:

In May 2022, GE Steam Power and BHEL agreed to a contract of USD 165 million for the supply of three of the six nuclear steam turbines needed for NPCIL's domestic nuclear programme, phase 1, which is being built in Gorakhpur, Haryana (units 1 through 4 (GHAVP)), and Kaiga, Karnataka (Kaiga-5&6).

Global Nuclear Steam Generator Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Design, Reactor Type, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Design offerings of key players. The detailed segments and sub-segment of the market are explained below:

**By Design:**

Horizontal

Vertical

**By Reactor Type:**

Pressurized Water Reactor (PWR)

Pressurized Heavy Water Reactor

Boiling Water Reactor

Others

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia  
South Korea  
RoAPAC

Latin America  
Brazil  
Mexico

Middle East & Africa  
Saudi Arabia  
South Africa  
Rest of Middle East & Africa

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Nuclear Steam Generator Market, by Region, 2020-2030 (USD Billion)
  - 1.2.2. Nuclear Steam Generator Market, by Design, 2020-2030 (USD Billion)
  - 1.2.3. Nuclear Steam Generator Market, by Reactor Type, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL NUCLEAR STEAM GENERATOR MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL NUCLEAR STEAM GENERATOR MARKET DYNAMICS**

- 3.1. Nuclear Steam Generator Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing demand for electricity
    - 3.1.1.2. Rising number of nuclear power plant
  - 3.1.2. Market Challenges
    - 3.1.2.1. High Cost of Nuclear Steam Generator
    - 3.1.2.2. Fewer safety risks associated with renewables.
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Rising technological advancement
    - 3.1.3.2. Rising funding for renewable energy generation

### **CHAPTER 4. GLOBAL NUCLEAR STEAM GENERATOR MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL NUCLEAR STEAM GENERATOR MARKET, BY DESIGN**

- 5.1. Market Snapshot
- 5.2. Global Nuclear Steam Generator Market by Design, Performance - Potential Analysis
- 5.3. Global Nuclear Steam Generator Market Estimates & Forecasts by Design 2020-2030 (USD Billion)
- 5.4. Nuclear Steam Generator Market, Sub Segment Analysis
  - 5.4.1. Horizontal
  - 5.4.2. Vertical

## **CHAPTER 6. GLOBAL NUCLEAR STEAM GENERATOR MARKET, BY REACTOR TYPE**

- 6.1. Market Snapshot
- 6.2. Global Nuclear Steam Generator Market by Reactor Type, Performance - Potential Analysis
- 6.3. Global Nuclear Steam Generator Market Estimates & Forecasts by Reactor Type

2020-2030 (USD Billion)

#### 6.4. Nuclear Steam Generator Market, Sub Segment Analysis

- 6.4.1. Pressurized Water Reactor (PWR)
- 6.4.2. · Pressurized Heavy Water Reactor
- 6.4.3. · Boiling Water Reactor
- 6.4.4. · Others

## **CHAPTER 7. GLOBAL NUCLEAR STEAM GENERATOR MARKET, REGIONAL ANALYSIS**

### 7.1. Top Leading Countries

### 7.2. Top Emerging Countries

### 7.3. Nuclear Steam Generator Market, Regional Market Snapshot

### 7.4. North America Nuclear Steam Generator Market

#### 7.4.1. U.S. Nuclear Steam Generator Market

7.4.1.1. Design breakdown estimates & forecasts, 2020-2030

7.4.1.2. Reactor Type breakdown estimates & forecasts, 2020-2030

#### 7.4.2. Canada Nuclear Steam Generator Market

### 7.5. Europe Nuclear Steam Generator Market Snapshot

#### 7.5.1. U.K. Nuclear Steam Generator Market

#### 7.5.2. Germany Nuclear Steam Generator Market

#### 7.5.3. France Nuclear Steam Generator Market

#### 7.5.4. Spain Nuclear Steam Generator Market

#### 7.5.5. Italy Nuclear Steam Generator Market

#### 7.5.6. Rest of Europe Nuclear Steam Generator Market

### 7.6. Asia-Pacific Nuclear Steam Generator Market Snapshot

#### 7.6.1. China Nuclear Steam Generator Market

#### 7.6.2. India Nuclear Steam Generator Market

#### 7.6.3. Japan Nuclear Steam Generator Market

#### 7.6.4. Australia Nuclear Steam Generator Market

#### 7.6.5. South Korea Nuclear Steam Generator Market

#### 7.6.6. Rest of Asia Pacific Nuclear Steam Generator Market

### 7.7. Latin America Nuclear Steam Generator Market Snapshot

#### 7.7.1. Brazil Nuclear Steam Generator Market

#### 7.7.2. Mexico Nuclear Steam Generator Market

### 7.8. Middle East & Africa Nuclear Steam Generator Market

#### 7.8.1. Saudi Arabia Nuclear Steam Generator Market

#### 7.8.2. South Africa Nuclear Steam Generator Market

#### 7.8.3. Rest of Middle East & Africa Nuclear Steam Generator Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

### 8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

### 8.2. Top Market Strategies

### 8.3. Company Profiles

8.3.1. Mitsubishi Heavy Industries Ltd

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Recent Developments

8.3.2. Westinghouse Electric Company LLC

8.3.3. Bharat Heavy Electricals Limited

8.3.4. Hitachi-GE Nuclear Energy Ltd

8.3.5. BWX Technologies Inc.

8.3.6. Bilfinger SE

8.3.7. Larsen & Toubro Limited

8.3.8. Doosan Corp

8.3.9. Babcock & Wilcox Enterprises Inc.

8.3.10. Toshiba America Energy Systems Corporation

## **CHAPTER 9. RESEARCH PROCESS**

### 9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

### 9.2. Research Attributes

### 9.3. Research Assumption



## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Nuclear Steam Generator Market, report scope
- TABLE 2. Global Nuclear Steam Generator Market estimates & forecasts by Region 2020-2030 (USD Billion)
- TABLE 3. Global Nuclear Steam Generator Market estimates & forecasts by Design 2020-2030 (USD Billion)
- TABLE 4. Global Nuclear Steam Generator Market estimates & forecasts by Reactor Type 2020-2030 (USD Billion)
- TABLE 5. Global Nuclear Steam Generator Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 6. Global Nuclear Steam Generator Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 7. Global Nuclear Steam Generator Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 8. Global Nuclear Steam Generator Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 9. Global Nuclear Steam Generator Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 10. Global Nuclear Steam Generator Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 11. Global Nuclear Steam Generator Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 12. Global Nuclear Steam Generator Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 13. Global Nuclear Steam Generator Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 14. Global Nuclear Steam Generator Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 15. U.S. Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 16. U.S. Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 17. U.S. Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 18. Canada Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 19. Canada Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 20. Canada Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. UK Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Nuclear Steam Generator Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39. China Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Mexico Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 61. Mexico Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. RoLA Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Nuclear Steam Generator Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. RoMEA Nuclear Steam Generator Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Nuclear Steam Generator Market

TABLE 70. List of primary sources, used in the study of global Nuclear Steam Generator Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Nuclear Steam Generator Market, research methodology
- FIG 2. Global Nuclear Steam Generator Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Nuclear Steam Generator Market, key trends 2022
- FIG 5. Global Nuclear Steam Generator Market, growth prospects 2023-2030
- FIG 6. Global Nuclear Steam Generator Market, porters 5 force model
- FIG 7. Global Nuclear Steam Generator Market, pest analysis
- FIG 8. Global Nuclear Steam Generator Market, value chain analysis
- FIG 9. Global Nuclear Steam Generator Market by segment, 2020 & 2030 (USD Billion)
- FIG 10. Global Nuclear Steam Generator Market by segment, 2020 & 2030 (USD Billion)
- FIG 11. Global Nuclear Steam Generator Market by segment, 2020 & 2030 (USD Billion)
- FIG 12. Global Nuclear Steam Generator Market by segment, 2020 & 2030 (USD Billion)
- FIG 13. Global Nuclear Steam Generator Market by segment, 2020 & 2030 (USD Billion)
- FIG 14. Global Nuclear Steam Generator Market, regional snapshot 2020 & 2030
- FIG 15. North America Nuclear Steam Generator Market 2020 & 2030 (USD Billion)
- FIG 16. Europe Nuclear Steam Generator Market 2020 & 2030 (USD Billion)
- FIG 17. Asia pacific Nuclear Steam Generator Market 2020 & 2030 (USD Billion)
- FIG 18. Latin America Nuclear Steam Generator Market 2020 & 2030 (USD Billion)
- FIG 19. Middle East & Africa Nuclear Steam Generator Market 2020 & 2030 (USD Billion)

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Nuclear Steam Generator Market Size study & Forecast, by Design (Horizontal, Vertical) by Reactor Type (Pressurized Water Reactor (PWR), Pressurized Heavy Water Reactor, Boiling Water Reactor and Others) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/GCD3C862332BEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GCD3C862332BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970