

# **Nuclear Power Plant Equipment Market by Reactor Type (Pressurized Water Reactor (PWR), Pressurized Heavy Water Reactor (PHWR), Boiling Water Reactor (BWR)), Equipment Type (Island Equipment, Auxiliary Equipment) Region - Global Forecast to 2027**

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## **Abstracts**

At a projected CAGR of 3.5% during the forecast period, the market for equipment for nuclear power plants is expected to grow from an estimated USD 15.7 billion in 2022 to USD 18.6 billion by 2030. A rise in the demand for clean electricity globally is driving the market for nuclear power plants and related equipment. Governments are looking for efficient and clean energy sources like nuclear power as the need for energy increases. Additionally, technological advancements in nuclear power machinery have aided industry expansion. Both nuclear propulsion for ships and nuclear power plants use nuclear reactors to produce electricity. Because less polluting electricity is produced by nuclear power plants, the market for their equipment has a hopeful future.

“From 2023 to 2027, the PWR reactor is expected to be the largest segment in reactor types market”

The market for nuclear power plant equipment is dominated by the pressurised water reactor (PWR) sector. Due to their vast fleet size, Pressurized Water Reactors (PWR) are predicted to dominate the industry. Estimates indicate that the PWR sector has a sizable market share. Since PWR reactors maintain their stability at high temperatures, they are simple to run in terms of stability. The 442 operable reactors around the world include 302 PWR reactors with a 287 GWe capacity.

“The Island type equipment section is predicted to be the fastest expanding segment between 2023 and 2027.”

The market for nuclear power plant equipment is divided into two categories: island equipment and auxiliary equipment, with the island segment accounting for the biggest share. Island equipment types currently dominate the market and are anticipated to do so during the projection period due to their major contribution to operational safety and broad range of applications in nuclear power plants. In addition, island equipment makes up 12.6% of the entire capital cost of nuclear power plants, making it more expensive than oxidative equipment.

#### Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 65%, Tier 2- 24%, and Tier 3- 11%

By Designation: C-Level- 30%, Director Level- 25%, and Others- 45%

By Region: Asia Pacific- 33%, Middle East & Africa – 20%, Europe- 20%, and Americas 27%

Note: Other designations include sales managers, engineers, and regional managers. The tiers of companies are defined based on their total revenue as of 2020;

Tier 1: revenue more than USD 1 billion, Tier 2: revenue between USD 500 million and USD 1 billion, and Tier 3: revenue lesser than USD 500 million.

The Nuclear power plant equipment market is dominated by a few major players that have a wide regional presence. The leading players in the Nuclear power plant equipment market such as General Electric (US), Mitsubishi Heavy Industries (Japan), Toshiba Energy System & Solutions Corporation (Japan), Doosan Corporation (South Korea). Westinghouse Electric Company (US), Shanghai Electric (China).

#### Study Coverage:

The report defines, describes, and forecasts the Nuclear power plant equipment market, by reactor type, Equipment type and region. It also offers a detailed qualitative and quantitative analysis of the market. The report provides a comprehensive review of the major market drivers, restraints, opportunities, and challenges. It also covers various important aspects of the market, which include the analysis of the competitive landscape, market dynamics, market estimates in terms of value, and future trends in the Nuclear power plant equipment market.

### Key Benefits of Buying the Report

1. The report identifies and addresses the key markets for Nuclear power plant equipment market operations and services, which would help equipment manufacturers and service providers review the growth in demand.
2. The report helps system providers understand the pulse of the market and provides insights into drivers, restraints, opportunities, and challenges.
3. The report will help key players understand the strategies of their competitors better and help them in making better strategic decisions.

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