

## **Small Modular Reactor Market by Reactor (HWR, LWR, HTR, FNR, MSR), Deployment (Single, Multi), Connectivity (Grid, Off-grid), Location (Land, Marine), Application (Power Generation, Desalination, Industrial), Coolant and Region - Global Forecast to 2030**

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- Corporate License \$8150.00
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### **Report description:**

The small modular reactor market is projected to reach USD 7.0 billion by 2030 from an estimated USD 5.7 billion in 2022, at a CAGR of 2.7% during the forecast period. The cost reduction due to modularization and factory production is expected to drive the small modular reactor market growth. Furthermore, the need for clean, stable and reliable nuclear energy for the supply of baseload power is driving the market. However, stringent nuclear regulatory requirements for deployment of SMRs is likely to hamper the growth of small modular reactor market.

"The water segment, by coolant, is expected to be the largest and the fastest-growing market from 2022 to 2030"

The SMR market, by coolant is bifurcated into heavy liquid metals, water, gases and molten salts. The water segment is expected to hold the largest market share in 2030. The largest market share can be attributed to the increasing adoption of light-water reactors and heavy-water reactors across various regions.

"The multi-module power plant, by deployment, is expected to be the fastest-growing market from 2021 to 2026"

The multi-module power plant segment is expected to be the fastest-growing deployment segment during the forecast period, owing to the ease of financing additional modules. Multi-module SMR plants are easier to finance compared with large nuclear reactors, as SMRs require lower upfront investments for a unit, and additional capacity may be built over time. The ability to add modules incrementally in multi-module SMRs provides economies of series production. This, in turn, could permit investors and operators to adjust to the changes in demand for electricity and budgetary constraints to reduce financial risks. These factors are expected to drive the demand for SMRs for deployment in multi-module power plants.

Breakdown of Primaries:

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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: Others includes sales managers, marketing managers, product managers, and product engineers.

The tier of the companies is defined based on their total revenue as of 2017. Tier 1: USD 1 billion and above, Tier 2: From USD 500 million to USD 1 billion, and Tier 3: <USD 500 million.

The small modular reactor market is dominated by a few major players that have a wide regional presence. The leading players in the small modular reactor market Westinghouse Electric Corporation (US), NuScale Power, LLC. (US), GE Hitachi Nuclear Energy (US), Terrestrial Energy Inc. (Canada), Moltex Energy (Canada), X-energy (US), Hotec International (US), General Atomics (US), LeadCold Reactors (Sweden), ARC Clean Energy (Canada), Rolls-Royce (UK), Tokamak Energy (UK), Ultra Safe Nuclear (US), Toshiba Energy Systems & Solutions (Japan), SNC-Lavalin Group (Canada) and others.

Study Coverage:

The report defines, describes, and forecasts the small modular reactor market, by reactor type, connectivity, deployment, location, application, 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 small modular reactor market.

Key Benefits of Buying the Report

1. The report identifies and addresses the key markets for small modular reactor 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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**Small Modular Reactor Market by Reactor (HWR, LWR, HTR, FNR, MSR), Deployment (Single, Multi), Connectivity (Grid, Off-grid), Location (Land, Marine), Application (Power Generation, Desalination, Industrial), Coolant and Region - Global Forecast to 2030**

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