

Nuclear Decommissioning Services Market Size & Share Trends Analysis Report By Reactor Type (PWR, BWR, PHWR, GCR, and Others), By Strategy, And Segment Forecasts, 2022 - 2030

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Abstracts

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Nuclear Decommissioning Services Market Growth & Trends

The global nuclear decommissioning services market size is expected to be valued at USD 9.42 billion by 2030, according to a new report by Grand View Research, Inc., exhibiting a 5.1% CAGR during the forecast period. Global nuclear phase-out and rising support from government's post-nuclear accidents are among the major factors expected to fuel market growth in upcoming years.

The rise in public safety concerns due to hazardous consequences of nuclear accidents is set to actuate market demand in the coming years. In addition, increasing sustainability concerns are likely to positively impact market growth. The transitioning trend toward renewable energy, owing to various government initiatives and regulations is also projected to promote nuclear decommissioning services throughout the forecast period. Due to the Covid-19, the nuclear sector faced a few challenges such as unavailability of the workers, restrictions on the number of on-site workers, and disruption in supply chains.

With extensive research and development underway, various novel decommissioning technologies to enable the efficient dismantling of nuclear facilities have been developed. Furthermore, in order to enable sustainable development, government authorities are providing various incentives and support schemes for the efficient

dismantling of nuclear plants.

Based on reactor type, Pressurized Water Reactors (PWR) grabbed the maximum share in the global market in 2021 and this trend is expected to continue during the forecast period. Increasing demand for PWRs, due to their ease of operation and stability features, the segment is expected to register a strong growth rate from 2022 to 2030. Based on the decommissioning strategy, the immediate dismantling segment accounted for the largest share of 43.7% in 2021 and it is expected to maintain its position throughout the forecast period.

Europe has emerged as the leading region owing to the increasing shut down of nuclear facilities in various countries such as Germany, U.K., France, and Lithuania. The presence of stringent government regulations in Europe to regulate dismantling processes is anticipated to propel market growth. Technological advancements and government support to phase out nuclear plants are likely to fuel the market in North America. Countries like the U.S., Germany, Japan, and South Korea are rapidly developing markets for nuclear decommissioning services.

Nuclear Decommissioning Services Market Report Highlights

The market is likely to register a CAGR of 5.1%, in terms of value, from 2022 to 2030 on account of growing environmental concerns and the promotion of renewable energy against conventional sources of energy

By type of reactor, the PWR segment is expected to exhibit the highest CAGR from 2022 to 2030, owing to a high preference for these reactors

Europe was valued at USD 2.84 billion in 2021 and is expected to witness significant nuclear decommissioning in the future, with Germany and U.K. as major markets

The key market players mainly focus on innovation to improve service quality and meet global demand

In December 2021, Westinghouse Electric Company LLC announced the signing of a contract with Germany-based RWE Nuclear GmbH, a company concerned with operations of nuclear power plants, for dismantling two reactors in the Gundremmingen nuclear facility. The company aims to provide risk-free and efficient services to RWE Nuclear GmbH with its expertise

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research methodology
- 1.2 Research scope and assumptions
- 1.3 List of data sources
- 1.4 List of abbreviations

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market snapshot

CHAPTER 3 MARKET VARIABLES, TRENDS & SCOPE

- 3.1 Market segmentation
- 3.2 Penetration & growth prospect mapping, 2019 - 2030
- 3.3 Value chain analysis
- 3.4 Regulatory framework
- 3.5 Technology overview
- 3.6 Market dynamics
 - 3.6.1 Market driver analysis
 - 3.6.1.1 Worldwide shutdown of older reactors
 - 3.6.1.2 Shift in energy landscape
 - 3.6.1.3 Regulatory changes coupled with government support post nuclear plant accidents
 - 3.6.2 Market restraint analysis
 - 3.6.2.1 High cost of decommissioning
- 3.7 Industry analysis - Porter's Five Forces Analysis
- 3.8 PESTEL analysis

CHAPTER 4 NUCLEAR DECOMMISSIONING SERVICES MARKET: REACTOR TYPE ESTIMATES & TREND ANALYSIS

- 4.1 Reactor type market introduction, 2021 & 2030
- 4.2 Global nuclear decommissioning services demand by reactor type, 2019 - 2030 (USD Million)
- 4.3 Pressurized Water Reactor (PWR)
 - 4.3.1 Pressurized Water Reactor (PWR) nuclear decommissioning services market

estimates & forecast, 2019 - 2030

4.3.2 Pressurized Water Reactor (PWR) nuclear decommissioning services market estimates & forecast, by region, 2019 - 2030

4.4 Boiling Water Reactor (BWR)

4.4.1 Boiling Water Reactor (BWR) nuclear decommissioning services market estimates & forecast, 2019 - 2030

4.4.2 Boiling Water Reactor (BWR) nuclear decommissioning services market estimates & forecast, by region, 2019 - 2030

4.5 Pressurized Heavy Water Reactor (PHWR)

4.5.1 Pressurized Heavy Water Reactor (PHWR) nuclear decommissioning services market estimates & forecast, 2019 - 2030

4.5.2 Pressurized Heavy Water Reactor (PHWR) nuclear decommissioning services market estimates & forecast, by region, 2019 - 2030

4.6 Gas Cooled Reactor (GCR)

4.6.1 Gas Cooled Reactor (GCR) nuclear decommissioning services market estimates & forecast, 2019 - 2030

4.6.2 Gas Cooled Reactor (GCR) nuclear decommissioning services market estimates & forecast, by region, 2019 - 2030

4.7 Others

4.7.1 Others nuclear decommissioning services market estimates & forecast, 2019 - 2030

4.7.2 Others nuclear decommissioning services market estimates & forecast, by region, 2019 - 2030

CHAPTER 5 NUCLEAR DECOMMISSIONING SERVICES MARKET: STRATEGY ESTIMATES & TREND ANALYSIS

5.1 Strategy market introduction, 2021 & 2030

5.2 Global nuclear decommissioning services demand by strategy, 2019 - 2030 (USD Million)

5.2.1 Market estimates & forecast by strategy, 2019 - 2030

5.3 Immediate Dismantling

5.3.1 Immediate Dismantling nuclear decommissioning services market estimates & forecast, 2019 - 2030

5.3.2 Immediate Dismantling nuclear decommissioning services market estimates & forecast, by region, 2019 - 2030

5.4 Deferred Dismantling

5.4.1 Deferred Dismantling nuclear decommissioning services market estimates & forecast, 2019 - 2030

5.4.2 Deferred Dismantling nuclear decommissioning services market estimates & forecast, by region, 2019 - 2030

5.5 Entombment

5.5.1 Entombment nuclear decommissioning services market estimates & forecast, 2019 - 2030

5.5.2 Entombment nuclear decommissioning services market estimates & forecast, by region, 2019 - 2030

CHAPTER 6 NUCLEAR DECOMMISSIONING SERVICES MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

6.1 Regional market introduction, 2021& 2030

6.2 Global nuclear decommissioning services demand by region 2019- 2030 (USD Million)

6.3 North America

6.3.1 North America nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.3.2 North America nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.3.3 North America nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.3.4 U.S.

6.3.4.1 U.S. nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.3.4.2 U.S. nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.3.4.3 U.S. nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.4 Europe

6.4.1 Europe nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.4.2 Europe nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.4.3 Europe nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.4.4 Germany

6.4.4.1 Germany nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.4.4.2 Germany nuclear decommissioning services market estimates & forecast, by

reactor type, 2019 - 2030

6.4.4.3 Germany nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.4.5 U.K.

6.4.5.1 U.K. nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.4.5.2 U.K. nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.4.5.3 U.K. nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.4.6 France

6.4.6.1 France nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.4.6.2 France nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.4.6.3 France nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.5 Asia Pacific

6.5.1 Asia Pacific nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.5.2 Asia Pacific nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.5.3 Asia Pacific nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.5.4 Japan

6.5.4.1 Japan nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.5.4.2 Japan nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.5.4.3 Japan nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.5.5 South Korea

6.5.5.1 South Korea nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.5.5.2 South Korea nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.5.5.3 South Korea nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.6 Central & South America (CSA)

6.6.1 Central & South America (CSA) nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.6.2 Central & South America (CSA) nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.6.3 Central & South America (CSA) nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

6.7 Middle East & Africa (MEA)

6.7.1 Middle East & Africa (MEA) nuclear decommissioning services market estimates & forecast, 2019 - 2030

6.7.2 Middle East & Africa (MEA) nuclear decommissioning services market estimates & forecast, by reactor type, 2019 - 2030

6.7.3 Middle East & Africa (MEA) nuclear decommissioning services market estimates & forecast, by strategy, 2019 - 2030

CHAPTER 7 COMPETITIVE LANDSCAPE

7.1 Vendor landscape

7.2 Market players

7.3 Competitive environment

7.4 Strategy framework

CHAPTER 8 COMPANY PROFILES

8.1 Babcock International Group PLC

8.1.1 Company overview

8.1.2 Financial performance

8.1.3 Industries and services catered

8.1.4 Product benchmarking

8.1.5 Strategic initiatives

8.2 Studsvik AB

8.2.1 Company overview

8.2.2 Financial performance

8.2.3 Industries and services catered

8.2.4 Product benchmarking

8.2.5 Strategic initiatives

8.3 Westinghouse Electric Company LLC

8.3.1 Company overview

8.3.2 Financial performance

8.3.3 Industries and services catered

- 8.3.4 Product benchmarking
- 8.3.5 Strategic initiatives
- 8.4 AECOM
 - 8.4.1 Company overview
 - 8.4.2 Financial performance
 - 8.4.3 Industries and services catered
 - 8.4.4 Product benchmarking
 - 8.4.5 Strategic initiatives
- 8.5 Bechtel Corporation
 - 8.5.1 Company overview
 - 8.5.2 Financial performance
 - 8.5.3 Industries and services catered
 - 8.5.4 Product benchmarking
 - 8.5.5 Strategic initiatives
- 8.6 Jacobs (CH2M Hill Company Ltd.)
 - 8.6.1 Company overview
 - 8.6.2 Financial performance
 - 8.6.3 Industries and services catered
 - 8.6.4 Product benchmarking
 - 8.6.5 Strategic initiatives
- 8.7 Magnox Ltd.
 - 8.7.1 Company overview
 - 8.7.2 Financial performance
 - 8.7.3 Industries and services catered
 - 8.7.4 Product benchmarking
- 8.8 GE Hitachi Nuclear Energy
 - 8.8.1 Company overview
 - 8.8.2 Financial performance
 - 8.8.3 Industries and services catered
 - 8.8.4 Product benchmarking
 - 8.8.5 Strategic initiatives
- 8.9 Orano Group
 - 8.9.1 Company overview
 - 8.9.2 Financial performance
 - 8.9.3 Industries and services catered
 - 8.9.4 Product benchmarking
 - 8.9.5 Strategic initiatives
- 8.10 Ansaldo Energia
 - 8.10.1 Company overview

- 8.10.2 Financial performance
- 8.10.3 Industries and services catered
- 8.10.4 Product benchmarking
- 8.10.5 Strategic initiatives

List Of Tables

LIST OF TABLES

Table 1 Key international regulations & their impact on the nuclear decommissioning services industry

Table 2 Global nuclear decommissioning services market estimates & forecast by reactor type, 2019 - 2030 (USD Million)

Table 3 PWR market estimates & forecast, 2019 - 2030 (USD Million)

Table 4 PWR market revenue, by region, 2019 - 2030 (USD Million)

Table 5 BWR market estimates & forecast, 2019 - 2030 (USD Million)

Table 6 BWR market revenue, by region, 2019 - 2030 (USD Million)

Table 7 PHWR market estimates & forecast, 2019 - 2030 (USD Million)

Table 8 PHWR market revenue, by region, 2019 - 2030 (USD Million)

Table 9 GCR market estimates & forecast, 2019 - 2030 (USD Million)

Table 10 GCR market revenue, by region, 2019 - 2030 (USD Million)

Table 11 Others market estimates & forecast, 2019 - 2030 (USD Million)

Table 12 Others market revenue, by region, 2019 - 2030 (USD Million)

Table 13 Global nuclear decommissioning services market estimates & forecast by strategy, 2019 - 2030 (USD Million)

Table 14 Immediate dismantling market estimates & forecast, 2019 - 2030 (USD Million)

Table 15 Immediate dismantling market revenue, by region, 2019 - 2030 (USD Million)

Table 16 Deferred dismantling market estimates & forecast, 2019 - 2030 (USD Million)

Table 17 Deferred dismantling market revenue, by region, 2019 - 2030 (USD Million)

Table 18 Entombment market estimates & forecast, 2019 - 2030 (USD Million)

Table 19 Entombment market revenue, by region, 2019 - 2030 (USD Million)

Table 20 Global nuclear decommissioning services demand by region 2019 - 2030 (USD Million)

Table 21 North America nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 22 North America nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 23 North America nuclear decommissioning services market revenue, by strategy, 2019 - 2030 (USD Million)

Table 24 U.S. nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 25 U.S. nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 26 U.S. nuclear decommissioning services market revenue, by strategy, 2019 -

2030 (USD Million)

Table 27 Europe nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 28 Europe nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 29 Europe nuclear decommissioning Services market revenue, by strategy, 2019 - 2030 (USD Million)

Table 30 Germany nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 31 Germany nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 32 Germany nuclear decommissioning services market revenue, by strategy, 2019 - 2030 (USD Million)

Table 33 U.K. nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 34 U.K. nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 35 U.K. nuclear decommissioning services market revenue, by strategy, 2019 - 2030 (USD Million)

Table 36 France nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 37 France nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 38 France nuclear decommissioning services market revenue, by strategy, 2019 - 2030 (USD Million)

Table 39 Asia Pacific nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 40 Asia Pacific nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 41 Asia Pacific nuclear decommissioning services market revenue, by strategy 2019 - 2030 (USD Million)

Table 42 Japan nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 43 Japan nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 44 Japan nuclear decommissioning services market revenue, by decommissioning strategy, 2019 - 2030 (USD Million)

Table 45 South Korea nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 46 South Korea nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 47 South Korea nuclear decommissioning services market revenue, by strategy, 2019 - 2030 (USD Million)

Table 48 CSA nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 49 CSA nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 50 CSA nuclear decommissioning services market revenue, by strategy, 2019 - 2030 (USD Million)

Table 51 MEA nuclear decommissioning services market estimates & forecast, 2019 - 2030 (USD Million)

Table 52 MEA nuclear decommissioning services market revenue, by reactor type, 2019 - 2030 (USD Million)

Table 53 MEA nuclear decommissioning services market revenue, by strategy, 2019 - 2030 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Nuclear decommissioning services market snapshot
- Fig. 2 Nuclear decommissioning services market segmentation
- Fig. 3 Nuclear decommissioning services market revenue, 2019 - 2030 (USD Million)
- Fig. 4 Nuclear decommissioning services value chain analysis
- Fig. 5 Nuclear decommissioning services market dynamics
- Fig. 6 Nuclear decommissioning services market driver impact
- Fig. 7 Global number of operational reactor by age as of 31 Dec. 2015
- Fig. 8 Nuclear decommissioning services market restraint impact
- Fig. 9 Nuclear decommissioning services market - Porter's analysis
- Fig. 10 PESTEL analysis
- Fig. 11 Nuclear decommissioning services reactor type trends, (USD Million)
- Fig. 12 Nuclear decommissioning services strategy share, (USD Million)
- Fig. 13 Nuclear decommissioning services regional snapshot
- Fig. 14 Competitive environment
- Fig. 15 Strategy framework

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