

Global Nuclear Decommissioning Market Forecast to 2030

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Report description:

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Market Overview

The primary market factors accelerating market growth are the increasing public safety concerns about the hazardous consequences of nuclear accidents and the rising sensitivity to environmental issues. Many alternative energy sources have emerged as a result of rising global energy demand. The market for energy production has experienced a penetration of renewable sources as a result of rising environmental concerns about greenhouse gases and ozone which cause higher temperatures. Also, the presence of nuclear energy in some specific nations throughout the world and the ability to produce energy from other sources would reduce the chance of any nuclear energy-related accidents, which has caused the nuclear decommissioning period in these countries.

Segment Overview

The market segmentation for nuclear decommissioning has been broken down into four categories: reactor, strategy, capacity, and geography. Based on the kind of reactor, there are BWR, PWR, GCR, and other types. The market for nuclear decommissioning has been divided into various segments, including quick, delayed, and others. The global nuclear decommissioning market has been divided into segments based on capacity: over 1000MW, 801MW-1000MW, 800MW and others. The records offer market information by region for North America, Asia-Pacific, Europe, and the entire world.

Regional Analysis

The report offers market insights for North America, Asia-Pacific, Europe, and the world as a whole, organized by region. From 2022 to 2030, the nuclear decommissioning market in Asia-Pacific is anticipated to experience the fastest CAGR growth. Political pressure to shut it down nuclear power reactors before they're ready has increased, and that's the reason. China and India may offer prospects for the nuclear decommissioning industry given that nuclear reactors and power facilities will soon reach the end of their useful lifespan. South Korea and Japan are the two countries in the Asia-Pacific area that have recently undergone nuclear decommissioning.

Over the projection period, a significant increase in the market for nuclear decommissioning is anticipated in North America. The presence of numerous nuclear plants in the area that will close for the protection of the environment and people, government support for the phase-out of nuclear plants, ongoing technological advancements, significant expansion, and growing awareness of environmental protection are all contributing to the region's growth in the global market. Moreover, the United States

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maintained the highest market share for nuclear decommissioning, while Canada had the quickest rate of expansion in that region. Yet, during the research period, stringent government controls may partially restrain market expansion.

Major Players

Babcock International Group PLC. (U.K.), AECOM (U.S.), Energy Solutions (U.S.), EDF-CIDEN (U.K.), Enercon Services Inc. (Germany), GD Energy Services (Spain), Nuvia Group (France), Westinghouse Electric (U.S.), and Studsvik AB are a few of the major players in the nuclear decommissioning business (Sweden).

COVID 19 Impacts

The COVID-19 outbreak has globally weakened numerous activities in a variety of industries. Due to a lack of workforce and disruptions in the supply chain for goods and services, the energy and power generation business is also severely impacted by the outbreak. Several companies that provide nuclear decommissioning services have been operating in different countries during this outbreak with a reduced staff, while in some countries the operation of nuclear decommissioning has been halted due to the implementation of quarantine measures by respective governments. For instance, the European Union has been exercising nuclear plant shutdown procedures, necessitating decommissioning services. Due to political unrest or reaching the end of their operational lives, a number of nuclear facilities stopped operating in 2019. Germany, France, the United Kingdom, Russia, and Italy are among the nations in the European region with the highest number of COVID-19 cases. Because France terminated its oldest nuclear power facility, the Fessenheim nuclear power plant, in early 2020 and has not yet begun decommissioning efforts, the French nuclear decommissioning services industry was hurt the most.

Table of Contents:

TABLE OF CONTENT

1 EXECUTIVE SUMMARY

2 RESEARCH METHODOLOGY

2.1 SCOPE OF THE STUDY

2.1.1 DEFINITION

2.1.2 RESEARCH OBJECTIVE

2.1.3 ASSUMPTIONS

2.1.4 LIMITATIONS

2.2 RESEARCH PROCESS

2.2.1 PRIMARY RESEARCH

2.2.2 SECONDARY RESEARCH

2.3 MARKET SIZE ESTIMATION

2.4 FORECAST MODEL

3 MARKET DYNAMICS

3.1 MARKET DRIVERS

3.2 MARKET INHIBITORS

3.3 SUPPLY/VALUE CHAIN ANALYSIS

3.4 PORTER'S FIVE FORCES ANALYSIS

4 GLOBAL NUCLEAR DECOMMISSIONING MARKET, BY REACTOR TYPE

4.1 PWR

4.2 BWR

4.3 GCR

5 GLOBAL NUCLEAR DECOMMISSIONING MARKET, BY STRATEGY

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5.1 INTRODUCTION	
5.2 IMMEDIATE	
5.3 DEFERRED DISMANTLING	
5.4 OTHERS	
6 GLOBAL NUCLEAR DECOMMISSIONING MARKET, BY CAPACITY	
6.1 INDUSTRIAL	
6.2 UP TO 800MW	
6.3 800MW-1000MW	
6.4 ABOVE 1000MW	
7 REGIONAL MARKET ANALYSIS	
7.1 INTRODUCTION	
7.2 NORTH AMERICA	
7.2.1 U.S.	
7.2.2 CANADA	
7.3 EUROPE	
7.3.1 U.K	
7.3.2 FRANCE	
7.3.3 GERMANY	
7.3.4 SPAIN	
7.3.5 REST OF EUROPE	
7.4 ASIA-PACIFIC	
7.4.1 CHINA	
7.4.2 JAPAN	
7.4.3 INDIA	
7.4.4 REST OF ASIA-PACIFIC	
7.5 REST OF THE WORLD	
8 COMPETITIVE ANALYSIS	
8.1 INTRODUCTION	
8.2 COMPETITIVE SCENARIO	
8.2.1 MARKET SHARE ANALYSIS	
8.2.2 MARKET DEVELOPMENT ANALYSIS	
8.2.3 REACTOR TYPE/SERVICE BENCHMARKING	
8.3 AREVA GROUP (FRANCE)	
8.3.1 OVERVIEW	
8.3.2 REACTOR TYPE/SERVICE OFFERING	
8.3.3 STRATEGY	
8.4 BABCOCK INTERNATIONAL GROUP PLC. (U.K.)	
8.4.1 OVERVIEW	
8.4.2 REACTOR TYPE/SERVICE OFFERING	
8.4.3 STRATEGY	
8.5 STUDSVIK AB (SWEDEN)	
8.5.1 OVERVIEW	
8.5.2 REACTOR TYPE/SERVICE OFFERING	
8.5.3 STRATEGY	
8.6 AECOM (U.S.)	
8.6.1 OVERVIEW	
8.6.2 REACTOR TYPE/SERVICE OFFERING	

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- 8.6.3 STRATEGY
- 8.7 WESTINGHOUSE ELECTRIC (U.S.)
 - 8.7.1 OVERVIEW
 - 8.7.2 REACTOR TYPE/SERVICE OFFERING
 - 8.7.3 STRATEGY
- 8.8 ENERGYSOLUTIONS (U.S.)
 - 8.8.1 OVERVIEW
 - 8.8.2 REACTOR TYPE/SERVICE OFFERING
 - 8.8.3 STRATEGY
- 8.8 NUVIA GROUP (FRANCE)
 - 8.8.1 OVERVIEW
 - 8.8.2 REACTOR TYPE/SERVICE OFFERING
 - 8.8.3 STRATEGY
- 8.10 EDF-CIDEN (U.K.)
 - 8.10.1 OVERVIEW
 - 8.10.2 REACTOR TYPE/SERVICE OFFERING
 - 8.10.3 STRATEGY
- 8.11 ENERCON SERVICES, INC. (GERMANY)
 - 8.11.1 OVERVIEW
 - 8.11.2 REACTOR TYPE/SERVICE OFFERING
 - 8.11.3 STRATEGY
- 8.12 GD ENERGY SERVICES-NUCLEAR (SPAIN)
 - 8.12.1 OVERVIEW
 - 8.12.2 REACTOR TYPE/SERVICE OFFERING
 - 8.12.3 STRATEGY

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