Global Nuclear Decommissioning Market 2016-2020

Description: Market overview of the nuclear decommissioning market

Technavio's research analyst predicts the global nuclear decommissioning market to grow at a CAGR over 2% during the forecast period. Fatal accidents such as the Chernobyl and Fukushima incidents have propelled the growth of this market. This has resulted in an increase in the decommissioning of nuclear plants across the globe. For instance, during 2011, Germany decided to phase out all its operating nuclear plants from its power mix by the end of 2022, which in turn augments the market growth.

The difficulty in disposal of radioactive nuclear waste is another factor driving this market's growth. For instance, nearly 27 tons of nuclear waste is generated from a 1,000-MW nuclear reactor every year. This radioactive waste generates a large amount of heat and takes a long period to decay. Improper disposal of these waste products could result in serious environmental contamination. With the increase in such complexities, the demand for nuclear decommissioning is expected to grow in the coming years. Germany, the US, the UK, and Slovenia are members of the NEA (Nuclear Energy Agency), which is an agency focusing on advanced technology for safe decommissioning.

End-user segmentation and analysis of the nuclear decommissioning market

- Pressurized water reactor (PWR)
- Pressurized heavy water reactor (PWHR)
- Boiling water reactor (BWR)

The PWR segment dominated the nuclear decommissioning market during 2015 and this reactor type is the highest in number globally. The phase-out of nuclear power generation has resulted in an increased number of shutdowns. As of 2015, seven PWR nuclear reactors have gone offline with an installed capacity of 8,469 MW. With decreased government support and public opposition, the demand for nuclear decommissioning is expected to increase.

Geographical segmentation and analysis of the nuclear decommissioning market

- Americas
- APAC
- EMEA

EMEA accounted for over 60% of the market share based on installed capacity during 2015 and is expected to grow at a CAGR of 7% during the forecast period. The shift in power generation pattern owing to past nuclear accidents such as the Chernobyl disaster in Russia and the Fukushima nuclear disaster in Japan has created a negative impact on the European nuclear industry, thereby driving the market growth for nuclear decommissioning in this region.

Competitive landscape and key vendors

Medium-sized and large suppliers dominate the global nuclear decommissioning market. The market in EMEA and the Americas is dominated by large and established players. APAC is not expected to see much growth in decommissioning technologies due to the lack of government initiatives in the region.

The leading vendors in the market are:

- Areva
- Babcock
- Bechtel
- CH2M

Other prominent vendors in the market include EnergySolutions, Nuvia Group, Nuclear Decommissioning Services, and Ansaldo NES.
Key questions answered in the report include
- What will the market size and the growth rate be in 2020?
- What are the key factors driving the global nuclear decommissioning market?
- What are the key market trends impacting the growth of the nuclear decommissioning market?
- What are the challenges to market growth?
- Who are the key vendors in this market space?
- What are the market opportunities and threats faced by the vendors in the global nuclear decommissioning market?
- Trending factors influencing the market shares of the Americas, APAC, and EMEA?
- What are the key outcomes of the five forces analysis of the nuclear decommissioning market?

Related reports:
- Global Nuclear Reactor Construction Market 2015-2019
- Global Nuclear Power Market 2015-2019
- Global Nuclear Imaging Market 2015-2019

Contents:
PART 01: Executive summary
- Highlights

PART 02: Scope of the report
- Market overview
- Key assumptions
- Top-vendor offerings

PART 03: Market research methodology
- Research methodology
- Economic indicators

PART 04: Introduction
- Key market highlights
- Technology overview

PART 05: Market landscape
- Market overview
- Market size and forecast
- Five forces analysis

PART 06: Market segmentation by type
- Nuclear decommissioning market by type 2015
- Nuclear decommissioning market by type 2020
- Nuclear decommissioning by type 2015-2020
- Nuclear decommissioning market by PWR type reactors 2015-2020
- Nuclear decommissioning market by BWR type reactors 2015-2020
- Nuclear decommissioning market by PHWR type reactors 2015-2020
- Nuclear decommissioning market by LWGR type reactors 2015-2020
- Nuclear decommissioning market by GCR type reactors 2015-2020

PART 07: Geographical segmentation
- Nuclear decommissioning market by geography 2015
- Nuclear decommissioning market by geography 2020
- Nuclear decommissioning market by geography 2015-2020
- Nuclear decommissioning market in EMEA 2015-2020
- Nuclear decommissioning market in APAC 2015-2020
- Nuclear decommissioning market in Americas 2015-2020

PART 08: Key countries
- Key countries during the forecast period

PART 09: Market drivers
- Stringent regulations post-Fukushima accident
- Worldwide shutdown of older reactors
- Public and government support for decommissioning of nuclear reactors
- Increase in use of renewable energy

PART 10: Impact of drivers

PART 11: Market challenges
- Stringent regulatory standards
- Difficulty in disposal of radioactive nuclear waste
- Rising demand for power worldwide
- Reliability of nuclear power
- Cost of decommissioning

PART 12: Impact of drivers and challenges

PART 13: Market trends
- International cooperation to ensure nuclear safety
- Vulnerability to political turmoil
- Technological advancements

PART 14: Vendor landscape
- Competitive landscape
- Other prominent vendors

PART 15: Key vendor analysis
- AECOM
- AREVA
- Babcock
- Studsvik
- Westinghouse Electric

PART 16: Appendix
- List of abbreviations

PART 17: About the Author

List of Exhibits

Exhibit 01: Top vendor offerings
Exhibit 02: Nuclear decommissioning flow diagram
Exhibit 03: PWR flow diagram
Exhibit 04: BWR flow diagram
Exhibit 05: PHWR flow diagram
Exhibit 06: LWGR flow diagram
Exhibit 07: Overview of Global Nuclear Decommissioning Market
Exhibit 08: Global nuclear decommissioning market 2016-2020 by capacity (MWe)
Exhibit 09: Global nuclear decommissioning market 2016-2020 by decommissioning costs ($ billions)
Exhibit 10: Segmentation of nuclear decommissioning market by type of nuclear capacity 2015
Exhibit 11: Segmentation of nuclear decommissioning market by type of nuclear and its associated costs 2015
Exhibit 12: Segmentation of nuclear decommissioning market by type of nuclear capacity 2020
Exhibit 13: Segmentation of nuclear decommissioning market by type of nuclear and its associated costs 2020
Exhibit 14: Global nuclear decommissioning market by type of nuclear capacity 2015-2020
Exhibit 15: Global nuclear decommissioning market by type of nuclear and its associated costs 2015-2020
Exhibit 16: Nuclear decommissioning market by PWR type reactors 2015-2020
Exhibit 17: Geographical spread of decommissioning of PWR reactors
Exhibit 18: Nuclear decommissioning market by BWR type reactors 2015-2020
Exhibit 19: Geographical spread of decommissioning of BWR reactors
Exhibit 20: Nuclear decommissioning market by PHWR type reactors 2015-2020
Exhibit 21: Geographical spread of decommissioning of PHWR reactors
Exhibit 22: Nuclear decommissioning market by LWGR type reactors 2015-2020
Exhibit 23: Geographical spread of decommissioning of LWGR reactors
Exhibit 24: Nuclear decommissioning market by GCR type reactors 2015-2020
Exhibit 25: Nuclear decommissioning market by geography 2015
Exhibit 26: Nuclear decommissioning market by geography 2020
Exhibit 27: Nuclear decommissioning market by geography 2015-2020
Exhibit 28: Nuclear decommissioning market in EMEA 2015-2020
Exhibit 29: Planned nuclear decommissioning by country in EMEA 2015-2020
Exhibit 30: Nuclear decommissioning plan in France
Exhibit 31: Nuclear decommissioning plan in Ukraine
Exhibit 32: Nuclear decommissioning plan in Germany
Exhibit 33: Nuclear decommissioning plan in Spain
Exhibit 34: Nuclear decommissioning plan in Spain
Exhibit 35: Nuclear decommissioning plan in Russia
Exhibit 36: Nuclear decommissioning plan in Switzerland
Exhibit 37: Nuclear decommissioning plan in Czech Republic
Exhibit 38: Nuclear decommissioning plan in Hungary
Exhibit 39: Nuclear decommissioning plan in Hungary
Exhibit 40: Nuclear decommissioning market in APAC 2015-2020
Exhibit 41: Planned nuclear decommissioning by country in APAC 2015-2020
Exhibit 42: Nuclear decommissioning plan in Japan
Exhibit 43: Nuclear decommissioning plan in Taiwan
Exhibit 44: Nuclear decommissioning plan in South Korea
Exhibit 45: Nuclear decommissioning plan in India
Exhibit 46: Nuclear decommissioning plan in Pakistan
Exhibit 47: Nuclear decommissioning market in Americas 2015-2020
Exhibit 48: Nuclear decommissioning plan in Canada
Exhibit 49: Nuclear decommissioning plan in US
Exhibit 50: Nuclear decommissioning market in France 2015-2020
Exhibit 51: Nuclear decommissioning market in Japan 2015-2020
Exhibit 52: Nuclear decommissioning market in Ukraine 2015-2020
Exhibit 53: Growth of renewable sources 2009-2014
Exhibit 54: Impact of drivers
Exhibit 55: Power consumption in few countries in 2014 (TWH)
Exhibit 56: Impact of drivers and challenges

Ordering:

Order Online - http://www.researchandmarkets.com/reports/3769400/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Global Nuclear Decommissioning Market 2016-2020
Web Address: http://www.researchandmarkets.com/reports/3769400/
Office Code: SCPLSXRX

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single User: Electronic (PDF)</td>
<td>USD 2500</td>
</tr>
<tr>
<td>1 - 5 Users: Electronic (PDF)</td>
<td>USD 3000</td>
</tr>
<tr>
<td>Site License: Electronic (PDF)</td>
<td>USD 4000</td>
</tr>
<tr>
<td>Entprisewide: Electronic (PDF)</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number: 833 130 83
Sort code: 98-53-30
Swift code: ULSBIE2D
IBAN number: IE78ULSB98533083313083
Bank Address: Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World