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Global Spent Fuel Recycling Storage Device Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Spent Fuel Recycling Storage Device market size was valued at US$ 4142 million in 2024 and is forecast to a readjusted size of USD 8142 million by 2031 with a CAGR of 10.3% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Spent fuel refers to the part of nuclear fuel discharged from the pressure vessel of a nuclear power plant after a cycle of use. It contains unburned uranium-235 and newly generated fissile material plutonium-239, as well as fission products such as strontium-90, cesium-137, and technetium-99. Although the nuclear reaction can no longer be maintained due to the reduction of uranium content, it still has a large amount of decay heat and radioactivity. All nuclear power plant reactors will produce spent fuel. With the development of nuclear power, more and more spent fuel will inevitably be produced. Countries around the world have the following three strategies for spent fuel management: reprocessing; deep geological direct disposal; intermediate storage. Regardless of the plan, spent fuel needs to be stored. The International Atomic Energy Agency (IAEA) has also proposed in its many publications that spent fuel storage is an important stage in the nuclear fuel cycle.

This report is a detailed and comprehensive analysis for global Spent Fuel Recycling Storage Device market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is

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constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Spent Fuel Recycling Storage Device market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Spent Fuel Recycling Storage Device market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Spent Fuel Recycling Storage Device market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Spent Fuel Recycling Storage Device market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Spent Fuel Recycling Storage Device
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Spent Fuel Recycling Storage Device market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Orano, NPO, Holtec International, NAC International Inc., BWX Technologies, Inc., Gesellschaft F?r Nuklear-Service, SKODA JS, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

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Market Segmentation

Spent Fuel Recycling Storage Device market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Wet

Dry

Market segment by Application

Environmental Protection

Nuclear Waste Disposal

Major players covered

Orano

NPO

Holtec International

NAC International Inc.

BWX Technologies, Inc.

Gesellschaft F?r Nuklear-Service

SKODA JS

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Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Spent Fuel Recycling Storage Device product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Spent Fuel Recycling Storage Device, with price, sales quantity, revenue, and global market share of Spent Fuel Recycling Storage Device from 2020 to 2025.

Chapter 3, the Spent Fuel Recycling Storage Device competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Spent Fuel Recycling Storage Device breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Spent Fuel Recycling Storage Device market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Spent Fuel Recycling Storage Device.

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Chapter 14 and 15, to describe Spent Fuel Recycling Storage Device sales channel, distributors, customers, research findings and conclusion.

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