
Description:
The Global Spent Fuel Pool Level Instrumentation System Market has been estimated at USD XX billion in 2015 and is projected to reach USD XX billion by 2020, at a CAGR of XX% during the forecast period from 2015 to 2020. The production of Nuclear Energy can be either safe or economical. To bridge the gap between the two, post the Fukushima Dia-ichi incident the National and International Nuclear Regulatory Commissions have come up with more stringent regulations, especially in managing the Spent Fuel in the Nuclear Power Plants.

The Spent Fuel Pool Level Instrumentation System is to ensure robust capability to monitor essential plant safety parameters and to facilitate actions that may become necessary during severe accidents, mitigate the radiological consequences if preventive actions fail. Measures to improve the robustness of essential safety parameter monitoring should include ensuring that instrumentation has the capability to withstand severe accident conditions and is supplied with a reliable source of emergency power. This should include instrumentation for monitoring radiation and meteorological conditions along with on-site and off-site communication systems.

This market is driven by a number of factors, such as the need for improved safety in the nuclear power generation and adherence to the strict regulations by the Nuclear Regulatory Commission (NRC). However, this market faces certain drawbacks, such as the closing down of the power plants in the developed countries and the slow pace of construction of the Nuclear Power Plants. These factors may act as a roadblock to the growth of the market.

This market can be broadly segmented into the Guided Wave Radar (GWR) System, Through-Air Radar System, Bubbler system, Thermal Dispersion, Pressure Transducer. This technology is necessary for the construction of any nuclear power plant all over the world. The market has huge potential in terms of the innovation possible in the instrumentation system.

The market has also been geographically segmented into North America, Europe, Asia-Pacific, South and Central America and Middle East and Africa. United States, Canada, Germany, United Kingdom, France, Italy, China, Japan, India, Australia, Brazil, Argentina, Chile, UAE, South Africa and Iran are the countries which are broadly covered in the report with focus on the Spent Fuel Pool Level Instrumentation systems in each of them.

The market has more relevance today since the countries and its governments are shelving the new Nuclear Power plant projects because of the safety concern. If the Spent Fuel Pool Level Instrumentation system is developed as per the latest guidelines and proved to be safe in aspects, commercialization of Safe Nuclear power can be achieved. The major companies dominating this market for its products, services, and continuous product developments are AREVA, Fluid Components International (FCI), Krohne, Magnetrol, MOHR Test and Measurement LLC., Toshiba, Westinghouse Electric Company. The technology offers a huge potential to change the view of people opposing the Nuclear Power and encourage to tap the Nuclear Energy potential to the fullest all over the world.

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