

Saudi Arabia Produced Water Treatment Market by Application (Onshore, Offshore), By Services (Primary Separation, Secondary Separation, Tertiary Separation), By End User Industry (Oil & Gas, Industrial, Power Generation and Others), By Region

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Abstracts

The Saudi Arabia Produced Water Treatment Market is anticipated to grow at a steady CAGR during the forecast period of 2024-2028. 'Produced water' refers to the wastewater produced when water from subterranean reservoirs is brought to the surface during oil or gas extraction (PW). Produced water contains soluble and non-soluble oil and organics, suspended particles, dissolved solids, and other industrial ingredients. As it contains residues of dispersed and dissolved oil, heavy metals, boron, corrosive fluids such as H₂S and CO₂, production chemicals, radioactive isotopes, formation minerals, and other solids, most produced water requires treatment. The market report curated by TechSci Research includes in-depth expert analysis, geographically represented company-wise production and capacity, network layouts of distributors and partners, detailed and updated price trend analysis, and deficit analysis of supply chain and demand, in addition to insights on market scenarios such as market value, growth rate, segmentation, geographical coverage, and major players.

Increasing oil and gas drilling activities in the kingdom drive market growth. The increased development of onshore oil and gas drilling leads to the adoption of enhanced water treatment systems, which drives market growth.

Oil Consumption has Increased Along With The Development of Industrialization.

The ever-expanding oil and gas firms have contributed to the growth in global oil demand, which spurred the market's expansion as more produce water was produced

during the process of oil extraction. Establishing stable, sustainable, and cost-effective produced water treatment solutions is critical for successful operations and durability. Regulatory developments and freshwater constraints demand the sector to treat and utilize this produced water. Saudi Arabia has developed as one of the world's most important geographical locations for oil and gas production. The country is rich in oil and gas deposits. The penetration of modern drilling technologies, such as hydraulic fracturing, has progressively increased the country's production capability. The government is a significant exporter of oil and gas products. Saudi Arabia exports around 59% of its total oil output and has proven reserves equal to 221.2 times yearly consumption. However, due to an increase in oil and gas drilling activities, Saudi Arabia is creating a significant volume of produced water, fuelling growth in the produced water treatment market.

Rising Environment Concerns

Produced water, a by-product of the coal seam gas industry, frequently has chemical components because of elements such as scale and precipitated silica. It is crucial to treat this water properly, efficiently, and consistently given the remote locations, extreme weather, environmental laws, and health and safety issues. Growing ecological issues about generating water discharge have pushed the government and other regulatory entities to create new policies and regulations. Further restrictions are being adopted to prevent the dumping of produced water that has not been treated and contains various dangerous particles. This has a positive impact on the expansion of produced water treatment market. Saudi Arabia Produced Water Treatment

Saudi Arabia Produced Water Treatment Market Challenges

In Saudi Arabia, the produced water (PW) treatment market has challenges, such as the high cost of intensive technology, a lack of awareness about produced water management, and public acceptance of treatment methods. Increased oil production, aged oilfields, severe effluent discharge rules, and water conservation efforts, on the other hand, are expected to drive the market. With the rising number of PW being generated in Saudi Arabia, firms that provide services and equipment that are cost-effective, creative, and trustworthy will lead the market. Shortly, produced water will focus on recycling, reusing, and reinjection as treated created water.

Market Segments

Saudi Arabia Produced Water Treatment Market is divided on the basis of application,

Saudi Arabia Produced Water Treatment Market by Application (Onshore, Offshore), By Services (Primary Separati...

services, and end-user industry. Based on Application, the market is further bifurcated into onshore and offshore. Based on services, the market is divided into primary separation, secondary separation, and tertiary separation; based on end-use industry, the market is further segmented into oil & gas, industrial, power generation, and others.

Market Players

Major market players in Saudi Arabia Produced Water Treatment Market are Alkawther Industries Ltd, Ion Exchange and Company LLC, Veolia Water Technologies, Saudi Water Technology Company, AES Arabia Ltd, SUEZ Group, MARAFIQ (The Power and Utility Company for Jubail & Yanbu), The International Water Distribution Company TAWZEA, Water and Environment Technologies Company Ltd (WETICO) and Miahona Company (Saudi Arabia).

Recent Developments

In November 2022, SWPC chose a consortium led by Engie (40%) and included its Saudi partners Nesma (30%) and Mowah (30%) as the winner of the Yanbu water project after receiving a competitive offer with a price of SR1.7446 halal as per cubic meter of produced water.

Report Scope:

In this report, Saudi Arabia Produced Water Treatment Market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

Saudi Arabia Produced Water Treatment Market, By Application:

Onshore

Offshore

Saudi Arabia Produced Water Treatment Market, By Services:

Primary Separation

Secondary Separation

Tertiary Separation

Saudi Arabia Produced Water Treatment Market, By End User Industry:

Government

Oil & Gas

Industrial

Power Generation

Others

Saudi Arabia Produced Water Treatment Market, By Region:

Western Region

Northern & Central Region

Eastern Region

Southern Region

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Saudi Arabia Produced Water Treatment Market.

Available Customizations:

Saudi Arabia Produced Water Treatment With the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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