+44 20 8123 2220
info@marketpublishers.com

Saudi Arabia Solar Water Desalination Plant Market By Membrane Process (Ultrafiltration Systems, Vacuum Evaporation and Distillation, Reverse Osmosis Systems, Paper Bed Filters, Solid Bowl Centrifuges, Tramp Oil Separators, Vacuum Filters, And Others), By Method (Solar-powered Humidification-Dehumidification (HDH) Desalination, Solar Diffusion Driven Desalination, Solar Membrane Distillation, Concentrated Solar Power (CSP)- based Desalination, and Solar Pond Desalination), By Industry (Industrial, Agriculture, Domestic, Municipal, and Commercial), By Region, Competition Forecast and Opportunities, 2028

https://marketpublishers.com/r/SEA28DC51AA9EN.html
Date: September 2023
Pages: 77
Price: US$ 3,500.00 (Single User License)
ID: SEA28DC51AA9EN

Abstracts

Saudi Arabia Solar Water Desalination Plants Market is expected to register a high CAGR during the forecast period.

Saudi Arabia is the world's largest nation without access to running surface water with one of the highest water consumption rates. The use of solar energy for water desalination is gaining popularity in Saudi Arabia, a country that is characterized by its arid climate and limited freshwater resources. The country has set ambitious targets to increase its reliance on renewable energy sources, including solar, as part of its Vision 2030 initiative.

+44 20 8123 2220
info@marketpublishers.com

Total water consumption has surpassed 8 million cubic meters per day (m3/d) and is expected to reach 12.3 million m3/d by 2040, with daily water consumption per person at 263 liters in 2019.

As of 2019, Saudi Arabia had 204 wastewater treatment facilities. Much of the non-potable wastewater that had been processed was used for 'grey water' irrigating crops, watering urban green spaces, or being recycled in the industrial sector. The Kingdom's water reuse market is estimated to be worth $4.69 billion, placing it third in the world behind China and the United States. Treated and repurposed wastewater is less expensive to produce on average than desalinated water; as a result, the country regards it as a critical source of water for certain uses and has set a goal of achieving 100% reuse of treated urban wastewater by 2025.

High installation cost

The installation of a solar water desalination plant is costly. Solar water desalination plants necessitate a significant amount of sludge, energy, and money. Additionally, specialized knowledge and abilities are required, and chemicals such as hydrogen peroxide, chlorine, and hydrochloric acid are used as byproducts prior to the desalination process. Saline water desalination plants discharge large amounts of brine into the ocean or sea. In addition to concentrated salt, this brine contains chemicals such as anti-scaling agents from pre and post-treatment. As a result, brine disposal is a concern that may slow the rate of adoption of all desalination processes.

Municipal industry contributes significantly

The municipal industry contributes significantly to the solar water desalination plant's CAGR. The municipal segment is expected to experience strong revenue growth over the forecast period due to urbanization and the resulting expansion of urban infrastructure, which has increased demand for resources such as water and electricity. The municipal sector provides water fit for human consumption to the world's urban population. Furthermore, the municipal sector is expected to see an increase in demand for solar water desalination plants as the cost of desalinated waterfalls and the cost of surface water in urban areas rises.

Market Segmentation

The Saudi Arabia Solar Water Desalination Plant Market is divided into Membrane Process, Method, Industry, Regional and Competitive landscape. Based on Membrane

+44 20 8123 2220
info@marketpublishers.com

Process, the market is divided into Ultrafiltration Systems, Vacuum Evaporation and Distillation, Reverse Osmosis Systems, Paper Bed Filters, Solid Bowl Centrifuges, Tramp Oil Separators, Vacuum Filters, And Others. By Method, the market is divided into Solar-powered Humidification-Dehumidification (HDH) Desalination, Solar Diffusion Driven Desalination, Solar Membrane Distillation, Concentrated Solar Power (CSP)-based Desalination, and Solar Pond Desalination. By Industry, the market is divided into Industrial, Agriculture, Domestic, Municipal, and Commercial. By Region, the market is divided into Riyadh, Makkah, Eastern Province, Rest of Saudi Arabia

The demand for waters resources is fueling the market for Solar Water Desalination Plant Market and exhibiting a robust compound annual growth rate (CAGR) during the forecast period.

Market Players

Alfanar Group, Abdul Latif Jameel Energy, Rawafid Systems, Saline Water Conversion Corporation (SWCC), RAHA Water Treatment Corporation, Environmental Equipment Company Ltd., SAWACO Water – Desalination, TORAY MEMBRANE MIDDLE EAST LLC. (TMME), Tech Universal Arabia, WETICO, are some of the major market players operating in the market.

The key players have created many key developments and strategies to drive the Saudi Arabia Solar Water Desalination Plants Market.

Report Scope:

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

Saudi Arabia Solar Water Desalination Plants Market, By Membrane Process:

Solar-powered Reverse Osmosis

Membrane Distillation

Electro-dialysis and Electro-dialysis Reversal

Nano Filtration

+44 20 8123 2220
info@marketpublishers.com

Others

Saudi Arabia Solar Water Desalination Plants Market, By Method:

Solar-powered Humidification-Dehumidification (HDH) Desalination

Solar Diffusion Driven Desalination

Solar Membrane Distillation

Concentrated Solar Power (CSP)- based Desalination

Solar Pond Desalination

Saudi Arabia Solar Water Desalination Plants Market, By Industry:

Industrial

Agriculture

Domestic

Municipal

Commercial

Saudi Arabia Solar Water Desalination Plants Market, By Region:

Riyadh

Makkah

Eastern Province

Rest of Saudi Arabia

Competitive Landscape

+44 20 8123 2220
info@marketpublishers.com

Company Profiles: Detailed analysis of the major companies present in the Saudi Arabia Solar Water Desalination Plants Market.

Available Customizations:

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.

+44 20 8123 2220
info@marketpublishers.com

Contents

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Saudi Arabia Solar Water Desalination Plant Market By Membrane Process (Ultrafiltration Systems, Vacuum Evaporation and Distillation, Reverse Osmosis Systems, Paper Bed Filters, Solid Bowl Centrifuges, Tramp Oil Separators, Vacuum Filters, And Others), By Method (Solar-powered Humidification-Dehumidification (HDH) Desalination, Solar Diffusion Driven Desalination, Solar Membrane Distillation, Concentrated Solar Power (CSP)- based Desalination, and Solar Pond Desalination), By Industry (Industrial, Agriculture, Domestic, Municipal, and Commercial), By Region, Competition Forecast and Opportunities, 2028

Product link: https://marketpublishers.com/r/SEA28DC51AA9EN.html

Price: US$ 3,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/SEA28DC51AA9EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

+44 20 8123 2220
info@marketpublishers.com

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970