Desalination System Market - Growth, Trends, and Forecast (2023 - 2028)

Market Report | 2023-01-23 | 120 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License $4750.00
- Team License (1-7 Users) $5250.00
- Site License $6500.00
- Corporate License $8750.00

Report description:

The desalination system market is expected to register a CAGR of over 10% during the forecast period.

COVID-19 negatively impacted the market in 2020. It restricted the operating activities of several industries, including the power and petrochemical industries. Implementing stringent lockdown measures, partial or complete, led to a halt of industrial operations. However, the sector has been recovering well since restrictions were lifted. Recuperating industrial activities supported by restored supply chains and operating rates, growing residential and commercial spaces, and increasing population have been leading the positive demand fundamentals for desalination systems over the last two years.

Key Highlights
Over the short term, increasing demand from the Middle East and North Africa due to the lack of fresh water supply and the growing demand for industrial wastewater treatment at the global level are major factors driving the growth of the market studied.
However, RO membrane fouling and environmental repercussions of desalination are the key factors anticipated to restrain the growth of the target industry over the forecast period.
Nevertheless, the potential integration of desalination with renewable energy and the growing adoption of hybrid desalination technologies are likely to create lucrative growth opportunities for the global market soon.
Middle East emerged as the largest market for desalination system. Meanwhile, Asia-Pacific is expected to witness the highest growth rate during the forecast period.

Desalination System Market Trends

Municipal Application to Dominate the Market

Municipal applications accounted for a major share of the desalination system market globally.
The global population is predicted to reach 11.2 billion people by 2100. While population levels are expected to increase at the fastest rate in emerging regions, water shortages will also be felt in industrialized countries - including developed countries such as the US, Canada, and the UK.
According to the International Water Association, freshwater produced from seawater desalination currently meets about 1% of global requirements. Thus, companies like Veolia support municipalities and industries worldwide in implementing appropriate desalination strategies.
Veolia constructed the Qidfa desalination plant in Fujairah, UAE, which produces 590,000 m3/day of desalinated water for municipal applications. As of 2021, the company had a total treatment capacity of approximately 13 million m3/day at more than 2,300 sites in 108 countries across the world.
In India, the Jal Jeevan Mission - Har Ghar Jal, by Ministry of Jal Shakti the total number of tap water connections in households has increased from 6,21,86,731 in December 2020 to 8,73,16,015 by December 2021.
According to the Government of Dubai: Dubai Electricity and Water Authority, the consumption of desalinated water in Dubai in the United Arab Emirates accounted for 125,685 million imperial gallons in 2020 which increased to 128,606 million imperial gallons in 2021.

Middle East Dominates the Market

The Middle East emerged as the largest market for desalination systems. The demand for desalination systems in the region is mainly due to the growing demand for desalinized water for drinking and industrial and agricultural use.
In addition to this, growing population, rapid urbanization, and limited availability of surface water have increased in countries such as Saudi Arabia, UAE, Egypt, Iran, Kuwait, Oman, and South Africa, among others; this has, in turn, increased the consumption of fresh water, which is driving the demand for desalination systems in the region.
Saudi Arabia has the world's largest desalination capacity and accounts for around 1/5th of the global desalination capacity. Scarce freshwater resources and growing water consumption from the residential and agricultural sectors have increased the demand for desalinized water in the country.
In addition, as a Vision for 2030, the government plans to increase the percentage of desalinated water production, by providing better opportunities for partnerships with the private sector, which in turn, is expected to increase the demand for desalination systems during the forecast period.
The UAE's power consumption is increasing, and the government relies only on electricity to deliver drinkable water through desalination. According to the Government of Dubai: Dubai Electricity and Water Authority, in 2021, the total consumption of electricity by the commercial sector of the emirate of Dubai in the United Arab Emirates exceeded approximately 24.2 terawatt-hours and the residential sector accounted for approx 14.9 terawatt- hours. The number of electricity consumers in Dubai exceeded one million consumers in the same year.
According to The World Bank Group , the population in the Middle East and North Africa accounted for 472,494,995 in 2021. According to IMF, Egypt had the highest growth in population in 2021 of 102.61 million inhabitants. The increasing population is a major reason for putting the current water supply under stress thereby creating higher need for desalination systems.

Desalination System Market Competitor Analysis

The desalination system market is highly fragmented in nature. The major players (not in any particular order) include Veolia, Doosan Enerbility, Aquatech International LLC, Fisia Italimpianti SpA, and IDE Water Technologies., among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

Table of Contents:

SCOTTS INTERNATIONAL

Desalination System Market - Growth, Trends, and Forecast (2023 - 2028)

Market Report | 2023-01-23 | 120 pages | Mordor Intelligence

To place an Order with Scotts International:

- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	$4750.00
	Team License (1-7 Users)	$5250.00
	Site License	$6500.00
	Corporate License	$8750.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-03-03
		Signature