MENA DESALINATION PROJECTS

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Major Desalination Plants in MENA

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1. Jordan Red Sea Project - Phase 1

Est. Project Value : USD 1.1 Billion
Project Stage : Design
Est. Completion Date : Q4, 2021
Country : Aqaba, Jordan
Developer : JRSP company

The project involves the construction of an 80 to 100-million cubic meter per year reverse osmosis desalination plant and related infrastructure works. The project will include a 170-kilometer pipeline to discharge brine residual from the desalination process to the Dead Sea helping reduce its degradation. The proposed conveyance would pump seawater 230 meters uphill from the Red Sea's Gulf of Aqaba.

2. Taweelah Reverse Osmosis Independent Water Plant

Est. Project Value : USD 1 Billion
Project Stage : Tender
Est. Completion Date : Q4, 2022
Country : Abu Dhabi, United Arab Emirates
Developer : Abu Dhabi Water & Electricity Company

The project will be situated approximately 45 kilometers north of Abu Dhabi city. Taweela IWP is likely to include the construction of two water desalination plants with a capacity of over 450,000 cubic meters each per day using reverse osmosis technology. The project will be developed on a build, own and operate basis.

3. Al Khobar Desalination Plant - Eastern Province

Est. Project Value : USD 534 Million
Project Stage : Under Construction
Est. Completion Date : Q2, 2021
Country : Al Khobar, Saudi Arabia
Developer : Saline Water Conversion Corporation

The project involves the construction of a desalination plant in Al Khobar to produce 210,000 cubic meters per day of water using reverse osmosis technology. It will be located 400 kilometers east of Riyadh. The plant will supply desalinated water to Saudi Arabia's Saline Water Conversion Corporation for municipal use, and to oil giant Saudi Aramco. The plant will contribute to pumping of more than one million additional cubic meters of water daily to various cities in the Eastern Province.

4. Desalination Power Plant - Ain Sokhna

Est. Project Value : USD 500 Million
Project Stage : Under Construction
Est. Completion Date : Q4, 2019
Country : Suez, Egypt
Developer : Sezone General Authority for Economic Zone

The project involves the construction of a desalination plant to produce 164,000 cubic meters of water per day. The project will also include an on-site 457 MW combined cycle gas turbine power plant will be constructed to generate power and supply electricity to the desalination plant.

5. Yanbu Desalination Plant

Est. Project Value : USD 500 Million
Project Stage : Tender
Est. Completion Date : Q4, 2020
Country : Yanbu, Saudi Arabia
Developer : Saline Water Conversion Corporation

The project involves the construction of a new water desalination plant with a net potable water capacity of 450,000 cubic meters a day to be designed using reverse osmosis seawater desalination technology. The IWP will be located near the city of Yanbu, on the Red Sea coast, approximately 220 kilometers west of Medina.

6. Shuqaiq 3 Desalination Plant

Est. Project Value : USD 500 Million
Project Stage : Tender
Est. Completion Date : Q2, 2022
Country : Jizan, Saudi Arabia
Developer : Saline Water Conversion Corporation

The project involves the construction of a desalination plant under the Developership of Saudi Arabia's Water and Electricity Company. The proposed 450,000 cubic meters per day seawater reverse osmosis plant will be located in the city of Shuqaiq, on the Red Sea coast, 137 kilometers north of Jazan. The project will be developed under a build, own and operate model.

7. Agadir Desalination Plant

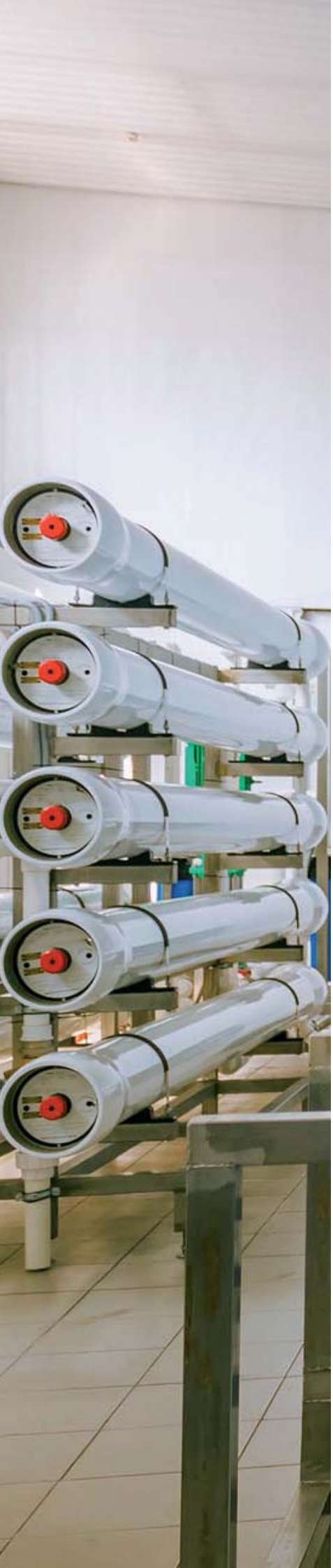
Est. Project Value : USD 352.9 Million
Project Stage : Under Construction
Est. Completion Date : Q4, 2022
Country : Casablanca, Morocco
Developer : Office National de l'Electricité

The project involves the construction of a desalination plant with a 275,000 cubic meter total production capacity of desalinated water per day that will be the largest plant designed for drinking water and irrigation. The contract also provides the flexibility for the possible capacity expansion to up to 450,000 cubic meters.

8. Ghubra III Independent Water Plant

Est. Project Value : USD 300 Million
Project Stage : Design
Est. Completion Date : Q1, 2022
Country : Al Ghubrah, Oman
Developer : Oman Power & Water Procurement Co.

The project involves the construction of an independent water desalination plant in al Ghubra to be dubbed as Ghubra III IWP. The desalination plant will have a capacity to produce 300,000 cubic meters of water per day. Once the plant is completed, it will be the largest IWP in Oman. The Ghubra III IWP plant will be located near the existing Ghubra IWP.



9. Seawater Reverse Osmosis Desalination Plant

Est. Project Value : USD 295 Million
Project Stage : Under Construction
Est. Completion Date : Q2, 2020
City : Dubai, United Arab Emirates
Developer : Dubai Electricity & Water Authority

The project involves the construction of a seawater reverse osmosis desalination plant with a total capacity of over 150,000 cubic meters per day at the Jebel Ali Power Station. The new SWRO plant is being developed as a brownfield seawater desalination plant and associated facilities.

10. Sharqiyah Independent Water Desalination Plant

Est. Project Value : USD 203.9 Million
Project Stage : Under Construction
Est. Completion Date : Q2, 2021
City : Sharqiyah, Oman
Developer : Oman Power & Water Procurement Co.

The project involves the construction of an independent seawater desalination plant in Sharqiyah with a capacity of 80,000 cubic meters per day. The plant would be developed on a build, own and operate basis on an initial term of at least 20 years. The independent water plant is expected to start operations in April 2021, with an aim of meeting the growing demand for potable water.