

**Pure Water from Sea
Powered By Sun**

**Bottled Water Business
Opportunity in
Saudi Arabia**

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BWB25

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Clean water changes absolutely **everything**.



Health



Access to food



Local economy



Education



AS DEMAND FOR FRESH WATER GROWS, INVESTING IN ADVANCED TECHNOLOGIES LIKE SOLAR-POWERED DESALINATION, ENSURING A SECURE AND SUSTAINABLE WATER FUTURE. WITH THESE STRIDES, DESALINATION IS SET TO PLAY A PIVOTAL ROLE IN SAUDI ARABIA'S VISION FOR WATER SECURITY AND ECONOMIC RESILIENCE.

Market Opportunity

Arid Climate: Saudi Arabia's hot and dry climate creates a year-round need for clean drinking water.

Health-Conscious Population: Growing awareness of health and hydration drives demand for premium bottled water.

Population Growth: A steadily increasing population, including expatriates, boosts consumption.

Saudi Arabia, the largest country in the region, is one of the driest nations in the world, facing significant water scarcity due to limited natural resources and overexploitation.

The demand for water continues to rise sharply, driven by a growing population, expanding industries, and the substantial water needs of agriculture.

Business Plan

Objective: Establish *solar powered containerized desalination* plants along the shorelines of Saudi Arabia, strategically located to meet the high demand for water.

Plant Capacity: Each plant will have the capacity to produce 50,000 to 500,000 liters of purified drinking water per day.

Automation: The facilities will feature fully automated bottling, packing, and logistics divisions to ensure efficient operations.

Planned Locations:

- Jeddah: Supply water to Mecca.
- Yanbu: Supply water to Medina.
- Neom: Supply water to the city and surrounding industries.

This plan aims to provide sustainable and reliable access to drinking water in key areas while supporting the country's growth and development goals.

Our Solution

- Introducing a revolutionary solution for water scarcity in Saudi Arabia: a compact desalination plant housed in a 40-foot container, powered entirely by solar energy.
- This plug-and-play system is easy to set up and operate, providing an affordable and sustainable way to convert seawater into fresh drinking water.
- Designed for efficiency and mobility, it's perfect for remote areas and communities in need.



**HOW TO GET
FRESH WATER
WITHOUT
LIMITING TOMORROW?**

Technology Advantage

- 70% Less Energy for Desalination
- Powered by the Sun
- 70% Less Solar Panels
- Containerized - Plug & Play
- 50,000 to 100,000 Liters per day
- Chemical Free Water Treatment Process
- Remote Monitoring
- Auto Shutoff



Sustainable Solution (Energy Recovery)

- Our energy-recovery technology requires only 3 kWh to produce 1 m³ of water, compared to the standard 8–10 kWh.
- This innovation reduces energy consumption significantly, allowing customers to achieve a 70% smaller solar footprint.



What we offer...

- Drinking Water Supply to Holy Cities: Provide bottled drinking water to the high-demand markets of Mecca and Medina, catering to millions of residents, pilgrims, and visitors.
- Charity Organizations: Partner with charity organizations to supply clean and safe water, supporting their humanitarian efforts.
- Government-Funded Programs: Collaborate with government initiatives and programs to ensure reliable water distribution across various sectors and regions.



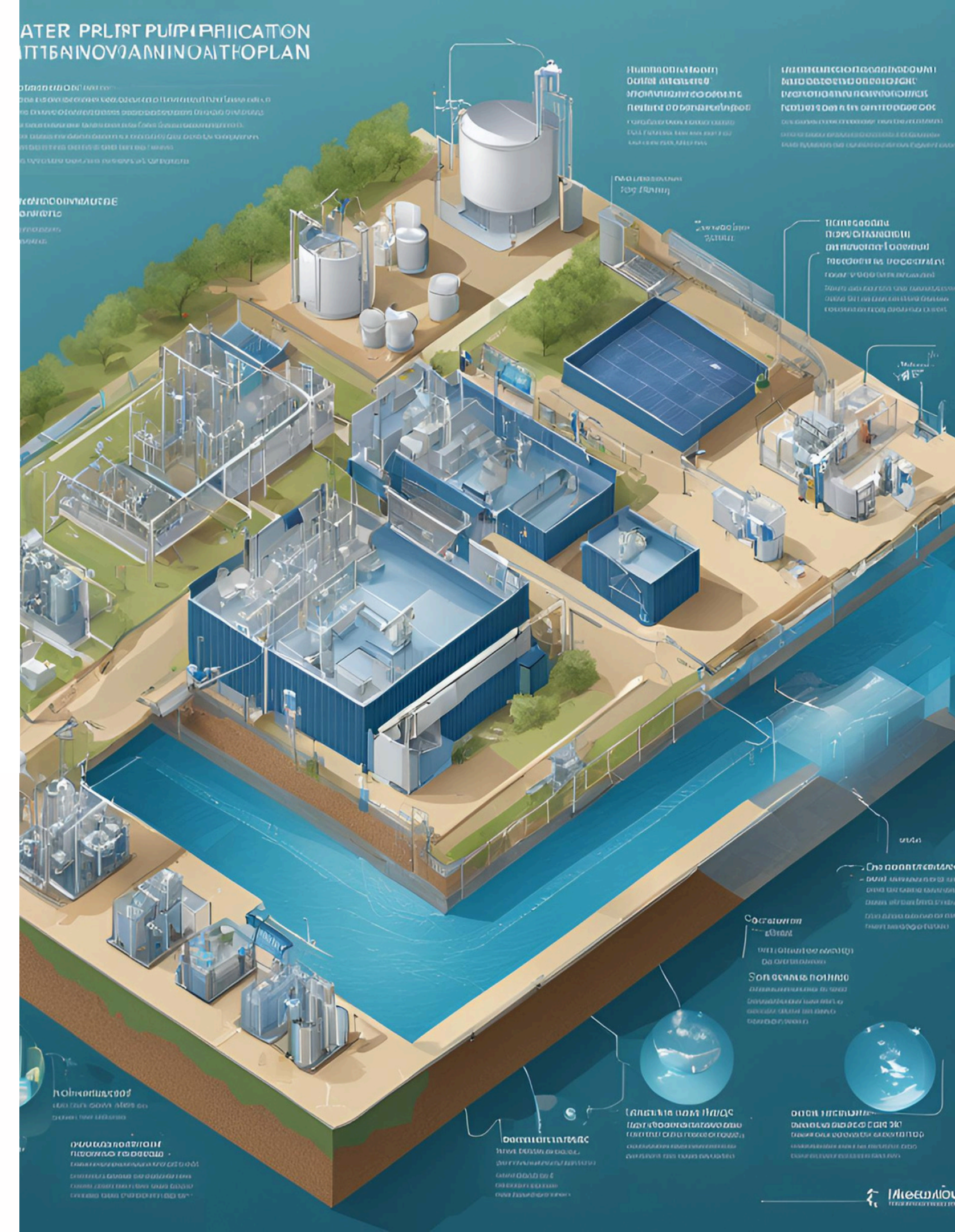
The Cost

Solar Desalination Plant - 100,000 Liters per day capacity

Water production per day	100 M Cube
Water production per hour	4.583 M Cube
Containerized desalination solution	\$265,844
Solar Energy System	\$175,018
Spares - Transportation - Commissioning - Training	Extra
Total Investment	\$500,000

What is excluded?

- The feedwater intake (beach well/borehole or open water intake)
- Local piping and electricity
- Fresh water storage and distribution
- Local transportation/import duties/VAT
- Permits for e.g. extraction of seawater/discharge of brine



Funding Models

30 : 70 ratio - Saudi HNI Partner

- 30% free equity to Saudi partner.
- 30 : 70 profit sharing ratio
- 100% funding arranged by Saudi partner.
- Loan duration 10 years

10 : 20 : 70 ratio - Saudi National Partner

- 10% free equity to Saudi partner.
- 30% project cost from equity investment partner as FDI
- Debt funding arranged from local bank or PIF
- Loan duration 10 to 20 years



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