

# **100kWh Solar-Powered Containerized Water Treatment Plant in Dakar**





## Overview

---

In July 2025, ACWA Power signed a USD 800 million water-purchase and public-private partnership agreement with the Senegalese government to build the Grande-Côte seawater desalination plant, entirely powered by renewable energy. Who built the water treatment plant in Senegal?

In Saint-Louis, SADE Senegal designed and built the turnkey drinking water treatment plant, from catchment of raw water in the Senegal river to discharge of treated water, for SONES. In Kebemer, SADE Senegal delivered a turnkey concrete water tower shaped like a baobab (the national emblem) to SONES.

How much water does Dakar need per day?

This monumental infrastructure initiative, powered fully by renewable energy, is set to secure up to 400,000 m<sup>3</sup> of potable water per day for Dakar and its surrounding areas, marking a significant step towards enhancing water security in the region.

How will Senegal's Water Project work?

The project will be delivered in two phases, each providing 200,000 m<sup>3</sup>/day of desalinated water, with financial close expected to be achieved by 2026 and full commercial operations by 2031. Structured as a long-term partnership with SONES, this project is expected to significantly strengthen Senegal's water infrastructure and resilience.



## 100kWh Solar-Powered Containerized Water Treatment Plant in Dak



### [ACWA Power Launches USD 800 Million Initiative to Build ...](#)

Acwa Power, a renowned renewables giant, is embarking on a groundbreaking endeavor in Sub-Saharan Africa with the establishment of the region's largest desalination plant in Dakar, ...

### [Containerized Water Treatment Plant & STP in UAE](#)

4 days ago · EXSO - Water designs, manufactures, supplies, and operates modular containerized water treatment plants for the municipal, residential, and industrial sectors. Preassembled, ...



### **ACWA Power and Senegal Ink USD 800 Million Deal for West ...**

In July 2025, ACWA Power signed a USD 800 million water-purchase and public-private partnership agreement with the Senegalese government to build the Grande-Côte seawater ...

## Senegal

Mar 18, 2024 · Announcement - The Project relating to the construction of a third drinking water treatment plant in Keur Momar Sarr (KMS3), launched in 2017 in the Louga department, is a ...



### Solar Powered Ultrafiltration (UF) & Reverse ...

Solar Containerized RO & UF Water Treatment Systems Powered only by solar energy, AMI Solar Reverse Osmosis and Ultrafiltration systems treat ...



### Reverse Osmosis & Water Treatment in Senegal

Dec 2, 2025 · Containerized water treatment plants are equipped with various technologies, including reverse osmosis, filtration systems, and disinfection methods, to ensure the ...



### Containerized Wastewater Treatment Plant

Nov 17, 2018 · Description Containerized Waste Water Treatment Biocell Water containerised wastewater treatment plants offer a fast and effective ...





[ACWA Power Signs Landmark Agreements ...](#)

Dakar, Republic of Senegal: ACWA Power, the world's largest private water desalination company, and a leader in energy transition and first mover ...



**ACWA Power Signs SR3 Billion Deal with Senegal for Largest ...**

Dec 3, 2025 · Saudi Arabia's ACWA Power signed a SR3 billion (\$800 million) deal with Senegal's Ministry of Water to build a desalination plant in Dakar.

[Solar Containerized Water Treatment Plant ...](#)

Sep 9, 2025 · Encapsulated in a shipping container, the solar containerized water treatment plant integrates solar power, advanced water treatment, ...



[Solar Powered Containerized Mobile Well Borehole Water ...](#)

2 days ago · Solar powered reverse osmosis water desalination system Key Features Off-Grid Operation Powered entirely by solar energy, ideal for areas without reliable electricity. ...



[ACWA Power Signs Landmark Agreements with Senegal ...](#)

Dakar, Republic of Senegal: ACWA Power, the world's largest private water desalination company, and a leader in energy transition and first mover into green hydrogen, today ...



[Solar power supply, drinking water treatment and ...](#)

Mar 9, 2023 · It consists of a Solartainer®, a water treatment system and a Cooltainer®, which provides clean electricity, drinking water and cooling in a cold store for agricultural produce. ...



[Solar Containerized Water Treatment Plant 5000lph](#)

Sep 9, 2025 · Encapsulated in a shipping container, the solar containerized water treatment plant integrates solar power, advanced water treatment, and automation. Reverse osmosis ...



[Solar Powered Ultrafiltration \(UF\) & Reverse Osmosis \(RO\) ...](#)

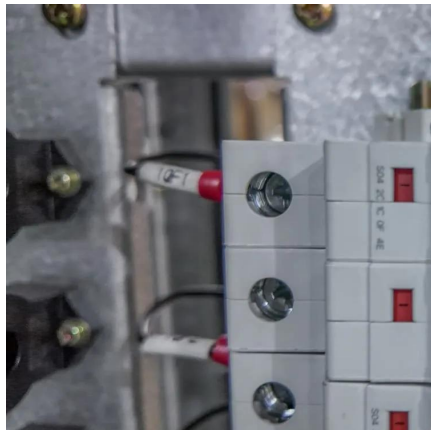
Solar Containerized RO & UF Water Treatment Systems Powered only by solar energy, AMI Solar Reverse Osmosis and Ultrafiltration systems treat river water, well water, and seawater to ...





Reverse Osmosis & Water Treatment in Senegal

Dec 2, 2025 · Containerized water treatment plants are equipped with various technologies, including reverse osmosis, filtration systems, and ...



Solar powered containerized ro reverse osmosis water plant

Sep 9, 2025 · Haiyuan Water produce solar powered containerized ro reverse osmosis water treatment plant which give client good quality and price.

**Containerized Mobile Ro Sea Water Treatment Plant Unit Solar Powered**

Supplier highlights: This supplier is a manufacturer and trader, offering quality control, full customization, design customization, and sample customization. Competitive advantages ...



ACWA Power Signs SR3 Billion Deal with ...

Dec 3, 2025 · Saudi Arabia's ACWA Power signed a SR3 billion (\$800 million) deal with Senegal's Ministry of Water to build a desalination plant ...



### [Solar Energy and the Future of Water ...](#)

Jan 30, 2024 · The integration of solar energy in desalination processes, wastewater treatment, water purification systems, and disinfection ...



### **Senegal**

In Saint-Louis, SADE Senegal designed and built the turnkey drinking water treatment plant, from catchment of raw water in the Senegal river to discharge of treated water, for SONES.

### [Solar Energy in Water Treatment Processes--An Overview](#)

Apr 21, 2022 · The chapter presents a review on the application of solar energy in two broader domains of water treatment; (a) water desalination and (b) water disinfection. The chapter ...



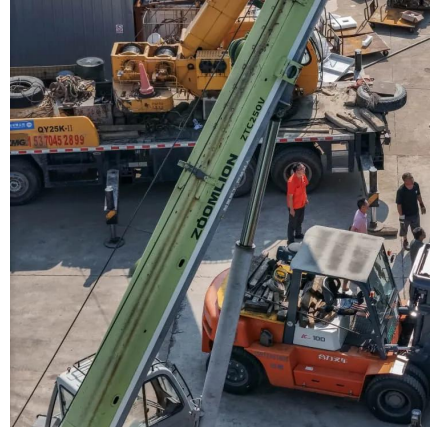
### [Containerized / Mobile Water Treatment ...](#)

Pure Aqua produces an assortment of containerized and mobile water treatment solutions that are custom-built to fit any application.



### [Solar Containerized Reverse Osmosis System ...](#)

Sep 9, 2025 · This solar mobile containerized reverse osmosis water system was ordered by a customer from Mozambique, who hoped to solve the ...



## Contact Us

---

For technical specifications, project proposals, or partnership inquiries, please visit:  
<https://eiei.pl>

### Scan QR Code for More Information



<https://eiei.pl>