

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 m³ 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 m³/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



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Senegal

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Senegal

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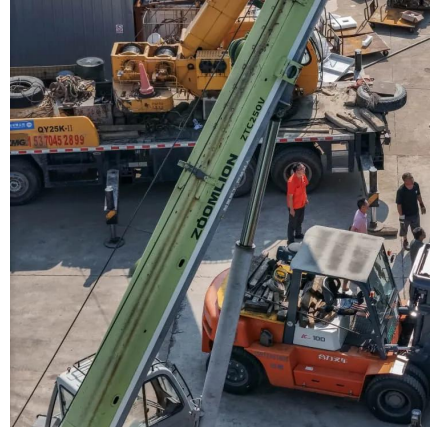
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