



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





## Overview

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The Mamelles Desalination Plant is a desalination plant under construction in the city of in . The facility is under development by the , with financial support from the (JICA). The Senegalese national water company (Société Nationale des Eaux du Senegal), SONES, is developing the project on behalf.

The Mamelles Desalination Plant is a sea water desalination plant under construction in the city of Dakar in Senegal. The facility is under development by the government of Senegal, with financial support from the Japan International Cooperation Agency (JICA).

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Senegal teams up with ACWA Power for a \$800 million renewable energy-powered desalination project to enhance water security in Dakar. ACWA Power, the world leader in water desalination and energy transition, has signed pivotal agreements with the Government of Senegal for the Grande-Côte seawater.

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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. The plant will deliver up to 400,000 m<sup>3</sup>/day of potable water to Dakar.

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 announced the signing of key project agreements with the Government of Senegal for the Grande-Côte seawater desalination.

Saudi Arabia is set to invest €250 million ( about \$275 million) in a solar-powered desalination project in Senegal, strengthening economic and development cooperation between both countries. The deal indicates a major step in expanding



Saudi involvement in West Africa's renewable energy and.

PIF's wholly-owned company Badeel and ACWA Power invest SAR12.2bln into three new solar projects in Saudi Arabia. Image Courtesy: ACWA Power Acwa Power has signed key project agreements with the Government of Senegal for the Grande-Côte seawater desalination project. The project, powered by.



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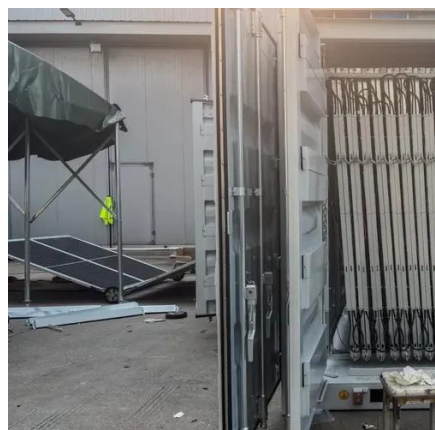


### [ACWA Power Signs Landmark Agreements with ...](#)

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 ...

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

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 ...



### [ACWA Power Partners with Senegal for ...](#)

It will be implemented in two phases, each delivering 200,000 m<sup>3</sup>/day of desalinated water. Financial closure is anticipated by 2026, with ...

### [Acwa signs Senegal renewable desalination project deals](#)

The project, powered 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. With a total investment of ...



### [Senegal: ACWA Power Secures \\$800M Water Purchase Agreement](#)

The partnership between ACWA Power and Senegal will see the establishment of a desalination plant in Dakar, targeting the alleviation of water scarcity.



### **ACWA Power signs major deal with Senegal for West Africa's ...**

ACWA Power has signed key agreements with the Government of Senegal to develop West Africa's largest seawater desalination plant, a project that will deliver 400,000 ...



### **Saudi Arabia to invest EUR250m in solar-powered desalination ...**

Saudi Arabia's ACWA Power will invest about EUR750 million (\$825 million) in the Grande Côte seawater desalination plant, which will supply 400,000 cubic meters of drinking ...



### **ACWA Power Partners with Senegal for Groundbreaking Water ...**



It will be implemented in two phases, each delivering 200,000 m<sup>3</sup>/day of desalinated water. Financial closure is anticipated by 2026, with full operations by 2031. The project is a ...

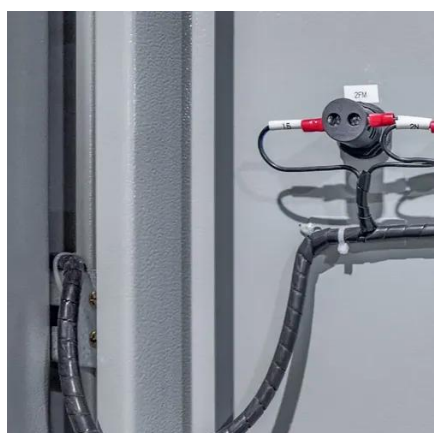
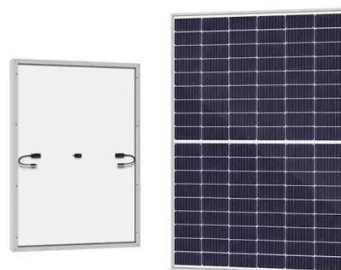


### **ACWA Power and Senegal Ink USD 800 Million Deal for West ...**

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**

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 major drinking water facility



### [Senegal: ACWA Power Secures \\$800M Water ...](#)

The partnership between ACWA Power and Senegal will see the establishment of a desalination plant in Dakar, targeting the alleviation ...

### **ACWA Power Launches USD 800 Million Initiative to Build Sub ...**



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, Senegal.



## Mamelles Desalination Plant

Summary Location History Overview Construction and timeline Opposition External links

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