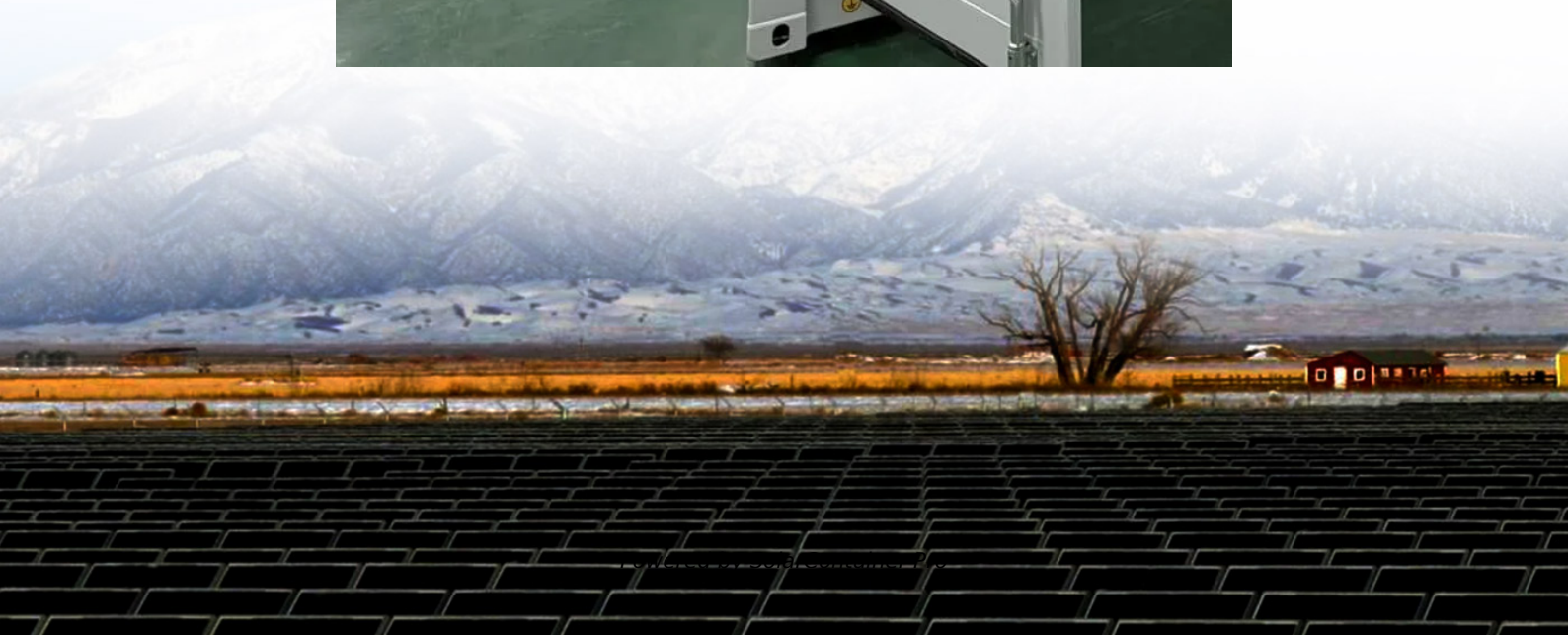


# Morocco integrated energy storage solution





## Overview

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What is the first large-scale electricity storage project in Morocco?

The first large-scale electricity storage project in Morocco is the 460 MW Afourer Pumped Storage Power Station (PETS), commissioned in 2004. It consists of a hydraulic system composed of two 1.3 million-m<sup>3</sup> water reservoirs connected by a pipeline with two hydroelectric production units between the basins.

How can thermal storage be developed in Morocco?

Many thermal storage options can be developed in Morocco such as the storage of excess renewable electrical energy in buildings (e.g. domestic hot water tank). The development of district heating networks in Morocco can also give a growing role to the massive thermal storage in Morocco .

How does electricity storage work in Morocco?

It ensures the storage of electricity produced by renewable energies in order to adapt fluctuating supply to shifting demand. The first large-scale electricity storage project in Morocco is the 460 MW Afourer Pumped Storage Power Station (PETS), commissioned in 2004.

What is the Moroccan Agency for Solar Energy (MASEN)?

The Moroccan Agency for Solar Energy (MASEN) was set up specifically to execute these projects. Its mission is to implement all projects related to the National Energy Strategy and to co-ordinate and supervise all other activities connected with this initiative.

Does Morocco have a security of supply?

Security of supply also remains one of the major challenges of the Moroccan energy model, which it is attempting to address through the diversification of its energy resources. Morocco's primary energy demand and electricity demand will both be expected to double by 2030.



What is the Moroccan solar plan?

Initiated in 2009, the Moroccan Solar Plan is a very ambitious project. A number of solar power plants have been planned and scheduled to be installed as part of this project. The Moroccan Agency for Solar Energy (MASEN) was set up specifically to execute these projects.



## Morocco integrated energy storage solution

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This article explores key projects, technologies, and trends shaping Morocco's energy storage landscape, while highlighting how companies like EK SOLAR contribute to this transformation.

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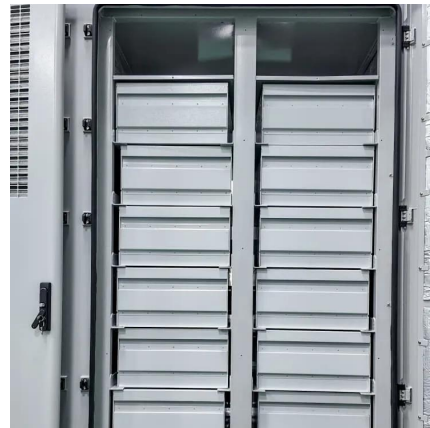
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### **Towards a large-scale integration of renewable energies in Morocco**

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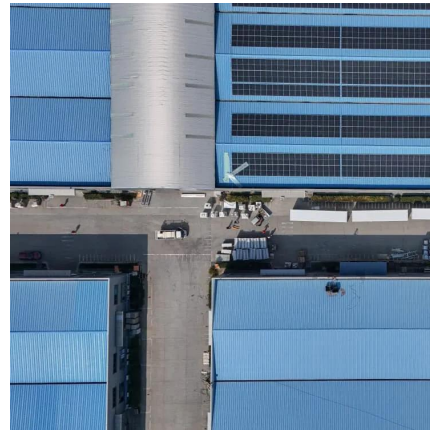




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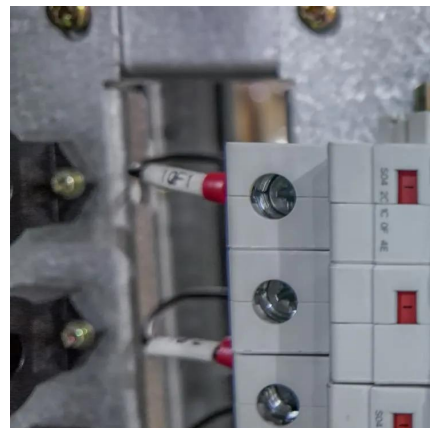
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