



MODERNIZATION SOLAR

# Kenya Mombasa Airport Energy Storage Power Station





## Overview

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How can the port of Mombasa transition to green energy?

Technical support for a feasibility study to identify viable green energy solutions at the Port of Mombasa lays a major foundation for such a transition. This project shall create new job opportunities around green technologies and renewable energies and associated value chain resulting in increased income levels and poverty reduction.

Why is the port of Mombasa a fossil fuel based port?

The Port of Mombasa is no exception as it primarily utilizes fossil fuel-based equipment and fleet to support its port operations. This is part of the larger global challenge where Maritime and shipping activities have contributed approximately 3% to global GHG emissions.

How many tCO2e does Mombasa port emit?

A study conducted by Trademark Africa in 2023 estimated the volume of emissions at the Port of Mombasa to be 532,424 tCO2e. The Kenya Ports Masterplan 2018 – 2047 outlines climate change mitigation and adaptation as a critical environmental concern for future port development and operations.

Where is the port of Mombasa located?

The project will be implemented in the Port of Mombasa Geographically Located on 4°02'18"S, 39°38'39"E along the East African coastline. The Port is a major gateway to East and Central Africa frequented by ships with cargo bound or originating from its hinterland and neighbouring small island states.



## Kenya Mombasa Airport Energy Storage Power Station



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### [Mombasa Airport installs modern solar powered...](#)

A first of its kind pilot project in Africa consisting of a ground-mounted 500kW solar power generation facility and mobile airport gate electric equipment was launched at Moi International ...



### **Solarcentury to install EA's largest airport solar PV plant at ...**

Oct 29, 2018 · Solarcentury East Africa, will install a ground-mounted 500kW solar photovoltaic (PV) system at Kenya's Moi International Airport, Mombasa that will generate 820,000 kWh ...

### [Kenya's Moi International Airport goes solar](#)

Nov 1, 2018 · Solarcentury signs contract with ICAO to install East Africa's largest airport solar PV plant at Moi International Airport, Mombasa.

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## [Africa Updates: Kenya gets solar system at Airport](#)

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## [Kenya's Airport Goes Solar, Offsetting 1,300 Tons of CO2 ...](#)

Nov 2, 2018 · Kenya's Moi International Airport in Mombasa. [/caption] Solarcentury, an international solar company, has announced it will install a ground-mounted 500kW solar ...



## [GREEN ENERGY TRANSITION AND PORT ...](#)

Jun 19, 2025 · The Port of Mombasa's green transition efforts include harnessing renewable energy sources. This directly contributes to Kenya's goal of generating 100% of electricity from ...



## [Kenya installs solar system to reduce airport ...](#)

Dec 13, 2018 · The ground-mounted 500kW solar power generation facility which was launched at Moi International Airport - will help reduce at least ...



## [Kenya installs solar system to reduce airport carbon emissions](#)

Dec 13, 2018 · The ground-mounted 500kW solar power generation facility which was launched at Moi International Airport - will help reduce at least 1,300 tonnes of carbon emissions (CO2) ...



## [Moi International Airport to get 500kw solar photovoltaic ...](#)

Solarcentury East Africa will install a 500 kiloWatt solar photovoltaic system at Mombasa's Moi International Airport - that will generate 820,000 kW per hour, per year. The system will be ...



## [Solarcentury to install EA's largest airport ...](#)

Oct 29, 2018 · Solarcentury East Africa, will install a ground-mounted 500kW solar photovoltaic (PV) system at Kenya's Moi International Airport, ...



## Solarcentury picked for Kenyan airport solar project

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## Kenya's Moi International Airport goes solar

Nov 1, 2018 · Solarcentury signs contract with ICAO to install East Africa's largest airport solar PV plant at Moi International Airport, Mombasa. International solar company, Solarcentury, will ...

## Kenya Mombasa Energy Storage Photovoltaic Industry ...

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