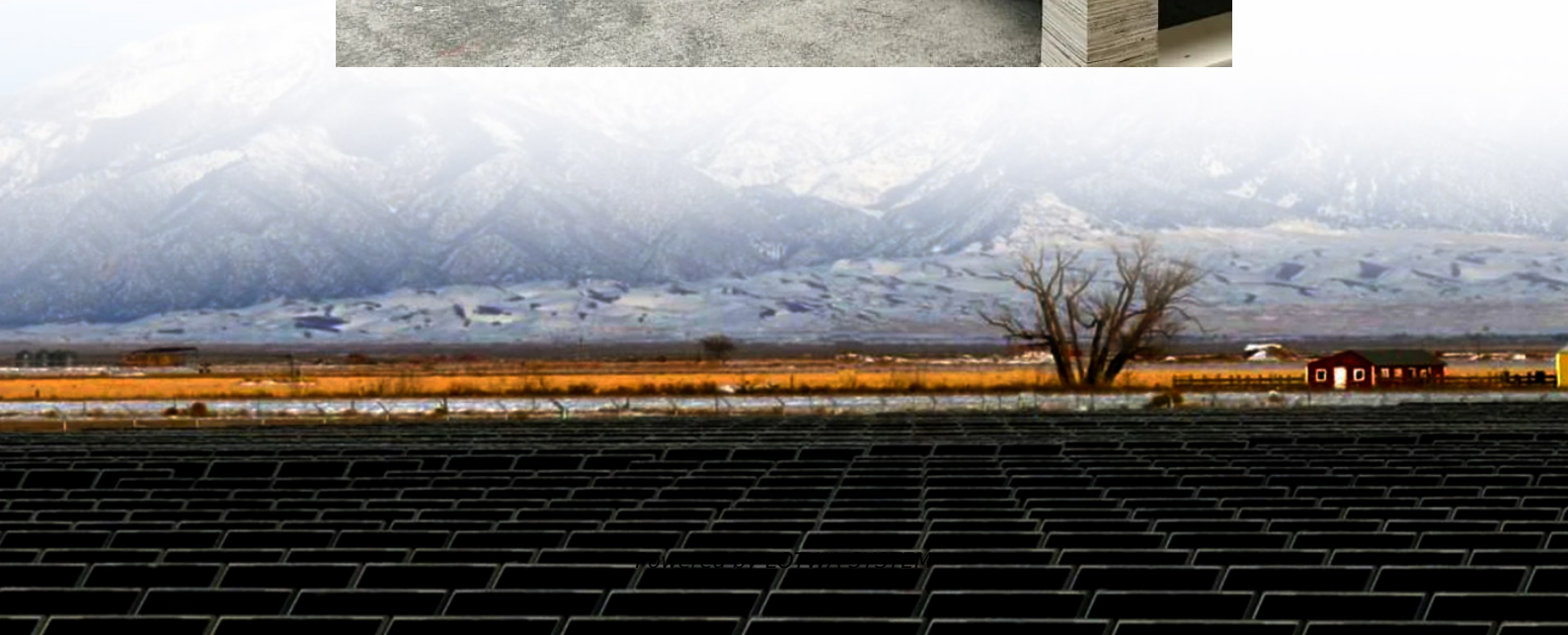


Nairobi 300 000 wind solar and storage integration





Overview

Will Kenya generate 100% of its electricity by 2030?

Kenya has ambitions to generate 100% of its electricity from clean energy sources by 2030. That target is not far off: its current share of renewable energy powering its national grid is 90%, making it a leader among many countries aiming for similar outcomes.

How much energy does Kenya use?

Its solar and wind capacity currently account for 17% and 3%; the remainder of its energy use is supplied by a mix of other sources including thermal (fossil fuel-based) energy sources. CIF investments in 2011 also supported the growth of Kenya's geothermal capacity through CIF's Scaling-Up Renewable Energy Program (SREP).

Which energy sources contribute the most to Kenya's electricity grid?

A recent report by the Climate Investment Fund (CIF) found that geothermal energy contributes the lion's share of 45% to the Kenyan electricity grid, while hydropower contributes 19%, solar energy 17% and wind just 3%.

Can Kenya close a 10 percent grid gap?

But as it hits the home stretch to closing that 10% gap, Kenya is learning much about grid flexibility, increasing its capacity through integrating variable renewables, and diversifying its energy matrix. Kenya has set ambitious clean energy targets: Kenya is on track to meet these goals.



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