

What are the wind power sources for East African solar container communication stations





Overview

Is wind energy a viable source of energy in Africa?

Wind energy amongst many other renewable energy sources offers the surest opportunity for a cost-effective and sustainable source of energy to expand the energy mix on the African continent . It is estimated that with an average wind speed of 5.1 m/s at an altitude of 10 m, the wind potential of Africa is about 10,600 TWh .

What energy resources does Africa have?

The African continent is endowed with massive energy resources such as hydropower, solar, wind, natural gas, wave energy, and many more.

Why do Africans need a wind energy system?

The expansion of energy sources across the continent has enabled 40% of Africans to have access to electricity. To reach the remaining populace denied access to reliable electricity, there is a need to develop and grow the wind energy sector. This demands the installation of electricity networks, clear procurement procedures, and many more .

How can African governments drive wind energy development?

Basically, this can be achieved through the adoption of strong 'political-will' by African national governments to drive wind energy development. There is also the need for institutional frameworks to ensure the practical adoption of new wind energy technologies.



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