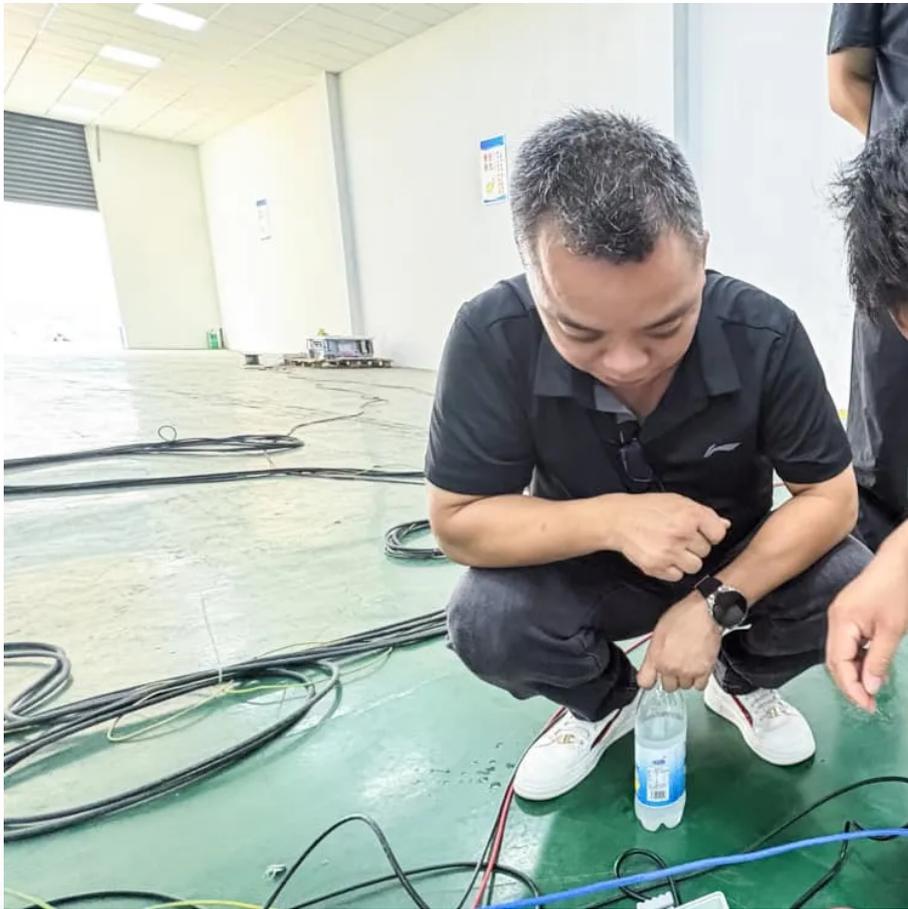


Africa about wind power storage





Overview

The African continent is endowed with massive energy resources such as hydropower, solar, wind, natural gas, wave energy, and many more, yet it is the continent with the least energy supply in the world.

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.

How can Africa benefit from a wind energy agreement?

This agreement is expected to increase the utilization of energy in Africa by offering improved and efficient access to investors, thus enhancing large-scale functional renewable power, including wind energy. Although the potential for wind energy is promising, there are main obstacles that hinder its growth in Africa.

Why should Africa Invest in wind energy?

Wind energy is largely recognized as a clean, eco-friendly, and sustainable source of energy to increase energy capacity while providing new investment growth and economic prospects. The major benefits Africa stands to gain from investment in wind energy as realized by other countries' economies are enumerated in the following subsections. 6.1.

Is energy from wind farms developing in Africa?

Though energy from wind farms is not fully developed on the African continent, it still suffers the challenge of competition in the area of market penetration, initial investment capital, energy flow reliability, plant longevity, and many more [109, 110].



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