

This study aimed at assessing the technical ability of the smart grid as a solution to Uganda's power system's challenges mainly focusing on rampant nationwide blackouts.

This study assessed suitable smart grid areas for power generation and distribution from solar and small hydro energy resources in Western Uganda by employing the fuzzy analytic hierarchy...

Uganda aims to achieve sustainable, affordable and modern energy for all. In tune with the country's Vision 2040 and global energy access targets under SDG7, ...

Low voltage distribution networks from remote villages in Uganda were selected as a case study. A techno-economic analysis showed that traditional grid reinforcement measures are the most cost ...

This report explores the potential of mini-grids in Uganda, examining various aspects including types, challenges, economic implications, and potential solutions, aiming to provide a ...

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Smart grids are not just a technological upgrade--they are a lifeline for rural communities, unlocking economic opportunities and accelerating Uganda's journey toward universal ...

The project targets enhanced reliability, affordability, and sustainability in electricity distribution, offering a cost-effective solution and quicker consumer onboarding for electricity ...

The smart grid will provide the necessary infrastructure to enhance efficiency and reliability, as digital technology and smarter technologies will be implemented throughout the grid.

Uganda's power sector is at a turning point. Despite tripling generation capacity to a surplus of nearly 1,200 MW, the grid continues to face reliability issues and high technical and...

Uganda aims to achieve sustainable, affordable and modern energy for all. In tune with the country's Vision 2040 and global energy access targets under SDG7, Uganda promotes the development of ...

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