

Energy conservation juba

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Overview

This paper updates empirical evidence on energy access in Juba, with the view of informing a possible transition to renewable sources. We conducted a comprehensive literature review and a survey of 267 households and institutions in 4 administrative units of Juba.

Energy conservation juba



[MIT engineers create an energy-storing supercapacitor from ancient](#)

MIT engineers created a carbon-cement supercapacitor that can store large amounts of energy. Made of just cement, water, and carbon black, the device could form the basis for

[Giving buildings an "MRI" to make them more energy-efficient and](#)

Founded by a team from MIT, Lamarr.AI utilizes drones, thermal imaging, and AI to identify energy waste and structural issues in buildings and recommend retrofits.



[Next-generation geothermal energy: Promise, progress, and challenges](#)

Geothermal energy, a clean, continuous energy source accessible in many locations, has been slow to catch on. Nearly 2,000 years ago, the Romans made extensive use of geothermal

Zero waste, more hope in South Sudan

Climate scientist Shazneen Cyrus Gazdar (centre) and UN peacekeepers participate in a clean-up event in Juba, South Sudan, on World Environment Day in June 2023.



[Explained: Generative AI's environmental impact](#)

MIT News explores the environmental and sustainability implications of generative AI technologies and applications.

[A new approach could fractionate crude oil using much less energy](#)

MIT engineers developed a membrane that filters the components of crude oil by their molecular size, an advance that could dramatically reduce the amount of energy needed for crude oil



Microsoft Word

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[Making clean energy investments more successful](#)

New research emphasizes the importance of well-validated models and forecasting tools in evaluating choices for investments in clean energy technologies and policies by governments and



South Sudan

SNV returns to South Sudan to strengthen capacities and forge meaningful partnerships that transform agri-food, energy, and water sectors, paving the way for sustainable and equitable lives for all.

[New facility to accelerate materials solutions for fusion energy](#)

The new Schmidt Laboratory for Materials in Nuclear Technologies (LMNT) at the MIT Plasma Science and Fusion Center accelerates fusion materials testing using cyclotron proton beam





[How artificial intelligence can help achieve a clean energy future](#)

A look at how AI can be used to help support the clean energy transition by helping to manage power grid operations, plan infrastructure investments, guide the development of novel

[MIT Energy Initiative conference spotlights research](#)

At the MIT Energy Initiative's Annual Research Conference, industry leaders agreed collaboration is key to advancing critical technologies amidst a changing energy landscape.



[Study: Fusion energy could play a major role in the global response to](#)

Investigators in the MIT Energy Initiative and the MIT Plasma Science and Fusion Center have found that - depending on its future cost and performance - fusion energy has the potential

[S. Sudan launches \\$53-million energy project to boost](#)

Launched by the Ministry of Energy and Dams in Juba on Thursday, the South Sudan Energy Sector Access and Institutional Strengthening (ASSIST) project is



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