

Energy crisis renewable



**200kWh
Battery Cluster**



Overview

The Iran war has sent oil and gas prices surging. As countries like the US double down on fossil fuels, experts say the conflict shows how speeding up homegrown renewables is the only way to avoid future energy crises.

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

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

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



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

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.





Iran war energy crisis is a renewable energy wake-up call , AP News

HANOI, Vietnam (AP) - The war in Iran is exposing the world's reliance on fragile fossil fuel routes, lending urgency to calls for hastening the shift to renewable energy.

[The Iran War Is Revealing the Messy Middle of Our Renewable](#)

Renewables have grown faster than any new source of energy in history, surpassing nearly all expectations. But we are still in the middle of that transition, with the end of the old



[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

Some Countries Are Better Prepared for an Energy Crisis This Time

Some Countries Are Better Prepared for an Energy Crisis This Time As the Iran war shocks oil prices, countries that have invested in renewables, EVs, and battery development since



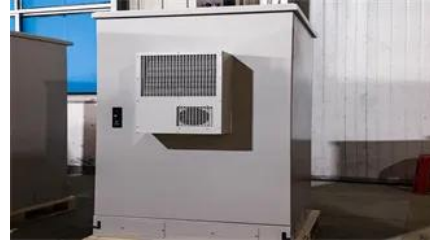
[Iran war: A global energy shock could accelerate a shift to](#)

International Energy Agency chief Fatih Birol said countries were likely to pivot to renewables as a

way to mitigate geopolitical risks, as well as part of a push to reduce emissions.

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



Iran war analysis: How 60 nations have responded to the global

Governments in France and the Philippines are among those linking new renewable-energy announcements with the unfolding crisis. New renewable-energy capacity will take time to come

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

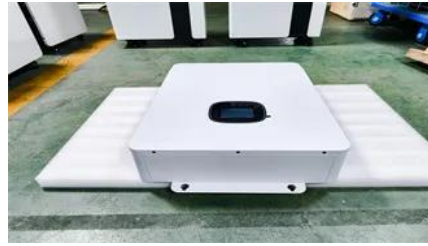


[MIT Energy Initiative conference spotlights research](#)

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

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



[Renewable energy transition could accelerate as Iran war](#)

After renewable power's record-smashing 2025, the Iran war could accelerate the shift as countries seek 'structurally more resilient' energy, UN says

[The Iran war is causing a global energy crisis](#)

With oil supply disrupted, Beijing's oil reserves and renewable energy push are being put to the test.



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

Solar and EVs help countries weather energy crisis with Iran war : NPR

As an energy crisis grows, some countries are more prepared because of renewable energy and



electric vehicles. Pakistan reduced its reliance on imported natural gas because of the

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