

# Energy Storage Grid-Connected Solutions



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### [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

### **Explained: Generative AI's environmental impact**

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



### **ConnectedSolutions Resource Page**

ConnectedSolutions is an innovative battery funding program that offers incentives to residential and commercial electric customers in exchange for allowing their

### **Using liquid air for grid-scale energy storage**

Liquid air energy storage could be the lowest-cost solution for ensuring a reliable power supply on a future grid dominated by carbon-free yet intermittent energy sources, according to a new



### **ConnectedSolutions**

From Wi-Fi thermostats to Energy Storage, National Grid makes it easy to reduce electricity use at peak times. Enroll your smart thermostat

in Connected Solutions to earn incentives for reducing energy

[New materials could boost the energy efficiency of microelectronics](#)

MIT researchers developed a new fabrication method that could enable them to stack multiple active components, like transistors and memory units, on top of an existing circuit, which



[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

[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



[What's the best way to expand the US electricity grid?](#)

Growing energy demand means the U.S. will almost certainly have to expand its electricity grid in coming years. What's the best way to do this? A new study by MIT researchers examines

[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.



### **Grid energy storage**

Energy from fossil or nuclear power plants and renewable sources is stored for use by customers. Grid energy storage, also known as large-scale energy storage,

### **Grid-Scale Energy Storage**

Unlock the potential of grid-scale storage to power a more resilient future. Discover how our scalable energy solutions can increase grid reliability and adaptability.



### **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

### [Critical Loop Raises \\$26M Series A to Accelerate Grid Interconnection](#)

Critical Loop is an industrial power solutions company that brings customers online faster than traditional grid expansion. Their energy platform combines advanced autonomous control,





### **Evelyn Wang: A new energy source at MIT**

As MIT's first vice president for energy and climate, Evelyn Wang is working to broaden MIT's research portfolio, scale up existing innovations, seek new breakthroughs, and channel

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