



Energy storage rechargeable batteries for factories





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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 ...

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In MIT course 15.366 (Climate and Energy Ventures) student teams select a technology and determine the best path for its commercialization in the energy sector.

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Unlocking the hidden power of boiling -- for energy, space, and ...

Unlocking its secrets could thus enable advances in efficient energy production, electronics cooling, water desalination, medical diagnostics, and more. "Boiling is important for ...

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At the 2025 student-led MIT Energy Conference, energy leaders from around the world discussed how to make green technologies competitive with fossil fuels.

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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 ...

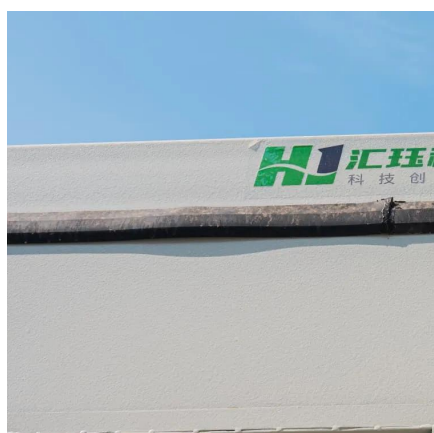
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[Using liquid air for grid-scale energy storage](#)

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, ...

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[energy costs](#)

Giving people better data about their energy use, plus some coaching, can help them substantially reduce their consumption and costs, according to a study by MIT ...

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Confronting the AI/energy conundrum

The MIT Energy Initiative's annual research spring symposium explored artificial intelligence as both a problem and solution for the clean energy transition.

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New facility to accelerate materials solutions for fusion energy

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