

# Energy Storage for Industrial Refrigeration



## Overview

---

Refrigeration thermal energy storage (RTES) is an emerging technology which presents an opportunity to save energy and reduce or shift peak demand in refrigerated facilities.

## Energy Storage for Industrial Refrigeration

---



### [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

### [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



### [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.



### **Making clean energy investments more successful**

New research emphasizes the importance of well-



### Ice Bank Refrigeration & Ice Thermal Energy Storage

Explore ice bank refrigeration, ice thermal storage, ice bank tank, milk cooler and ice bank chiller for industrial cooling. Learn about ice bank

validated models and forecasting tools in evaluating choices for investments in clean energy technologies and policies by governments and



### Technology Strategy Assessment

This technology strategy assessment on thermal energy storage, released as part of the Long-Duration Storage Shot, contains the findings from the Storage Innovations (SI) 2030 strategic initiative.

### [Understanding ammonia energy's tradeoffs around the world](#)

MIT Energy Initiative researchers calculated the economic and environmental impact of future ammonia energy production and trade pathways.



### [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.

### The True Cost of Cold Storage: Beyond the Bid Price

At Industrial Refrigeration Pros, we approach every project with total cost of ownership in mind. Our engineering team designs systems that balance initial investment with decades of reliable,



### [Refrigeration technologies to increase cold chain sustainability](#)

This Review discusses technologies and strategies that could reduce this impact, through refrigerant selection, thermal energy storage and renewable energy integration.

### [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.



### [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

### [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



## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://xaviergmphoto.es>