



Axiom Exergy's energy storage technology

Continuing to bring flexible energy storage solutions to grocery stores and cold storage facilities, Axiom Exergy has raised \$7.6 million in Series A funding, for a total of \$12.5 million ...

Axiom's technology is long-scale thermal energy storage that leverages existing refrigeration and does not require any retrofits. Axiom's energy storage system takes the extra ...

The technology has an estimated lifespan of 25 years. Hillphoenix and Axiom Exergy aim to develop and market storage-enabled refrigeration platforms to enhance the market leadership of both companies.

Continuing the charge to bring dynamic energy storage to both utilities and facilities with large refrigeration and air conditioning needs, Axiom Exergy has been granted the ...

The newly raised funds will go to delivering the service to hundreds of stores by the end of the year, he added. Hard times for hardware. Axiom Exergy needed a bridge round of funding in early 2020.

The US company Axiom Exergy has been wasting no time getting its new thermal energy storage technology to the marketplace. Just 18 months after nailing a glowing review from the Department of ...

Axiom Exergy's fully-financed "Storage-as-a-Service" model eliminates up-front cost and technology risk, enabling supermarkets and commercial buildings with high refrigeration-based energy loads to reduce both energy costs and operational risk from day one.

New money is flowing to small thermal storage startup Axiom Exergy. The company closed a \$7.6 million Series A to scale its cold-storage device for grocery stores, bringing its total funds raised ...

Amrit Robbins, Axiom Exergy ABSTRACT Thermal energy storage (TES) is a technology that blends energy efficiency and storage ... limited to a few locations, leaving this technology unavailable to the majority of residential and commercial customers. However, TES has recently become available to a much wider range of ...

Axiom Exergy also offers fully-financed "Storage-as-a-Service" so that supermarkets and commercial buildings with high refrigeration-based energy loads can save more than they pay from day one ...

Continuing the charge to bring dynamic energy storage to both utilities and facilities with large refrigeration and air conditioning needs, Axiom Exergy has been granted the seminal patent for direct expansion thermal energy storage. This strengthens its position to extend its "ice battery" technology to HVAC and air



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conditioning applications which use variable refrigerant ...

Axiom Exergy Energy Storage Assists Whole Foods Market in Shifting up to 1040 kWh of Electricity to Lower Costs. Axiom Exergy has completed the first installation of its thermal ...

Axiom Exergy's Refrigeration Battery can increase profit margins for supermarkets and cold storage facilities by reducing peak energy demand by up to 40 percent and shifting ...

Amrit Robbins, president and co-founder of Axiom Exergy, said: "Con Edison is taking an innovative approach to help address surging power demand on its grid by working with grocery store and cold storage facility owners to reduce their energy bills and enhance their razor-thin profit margins."

All of this culminated with you founding Axiom Exergy in 2014, the predecessor to Axiom Cloud. Tell us a bit about the Axiom Exergy's origin story. What problem did you set out to solve, and for whom? [00:09:07] Amrit: Backing up a little bit, I worked for an energy services company in Washington, DC, called Clarke Energy Group. And when I was ...

Exergy's batteries employ simple scalable production processes to offer batteries against low costs. Each Exergy battery is build of multiple cells. Every cell consists of a cathode compartment (positive pole) and an anode compartment (negative pole). When the cell is charging, ions flow from the anode to the cathode (storing energy).

The energy storage startup thinks grocery stores can slash their electricity bills with better thermal management software, no battery required. ... but none have done so quite like Axiom Exergy.

Axiom Energy Group provides clean energy solutions through innovative technologies to power our world - safely, affordably and reliably. ... affordable and reliable equipment, Axiom Energy has technology available today to offer you solutions. Learn more about us and our vision. Continue. About. GET IN TOUCH. info@axiom-energy . Tel: 262-642 ...

Propel(x): In your own words, tell us a bit about Axiom Exergy. Amrit Robbins: We are in the business of energy storage, and we're focused on bringing a specific type of energy storage into the market for any facility that uses refrigeration systems - axiom storage. Our "Refrigeration Battery" offers a 10x lifecycle cost advantage over ...

Axiom Exergy announced this week it has raised \$2.5 million from a slate of investors who want to back the company's innovative energy storage installations, which target grocery stores and other ...

Leading the charge to bring dynamic energy storage to both utilities and facilities with large refrigeration needs, Axiom Exergy has raised \$2.5 million from notable investors ...



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Inside a refrigeration unit fitted with Axiom cold energy storage technology. Image: Axiom. Axiom Exergy, a US manufacturer of energy storage units that use stored energy for cooling buildings and produce, has netted close to US\$8 million from investors including Shell's venture capital unit and Tesla battery guru JB Straubel.

Continuing the charge to bring dynamic energy storage to both utilities and facilities with large refrigeration and air conditioning needs, Axiom Exergy has been granted the seminal patent for ...

Using the Axiom Exergy thermal energy storage technology, businesses with large refrigeration-based energy loads can reduce their peak electricity demand by up to 40 percent, said the company. The Refrigeration Battery can shift six hours of a building's refrigeration-based electricity loads.

Axiom Exergy has completed the first installation of its thermal energy storage solution, the Refrigeration Battery at a Whole Foods Market store in Los Altos, Calif. The project successfully demonstrates the viability and potential of their energy storage solution by shifting up to 1,040 kWh of electricity load at the facility for up to 10 hours a day over the course of several months.

A Whole Foods Market store in Los Altos, CA is the site of the first completed installation of the Axiom Exergy thermal storage Refrigeration Battery. Axiom has demonstrated the viability of its energy storage solution by charging and discharging 1040 kWh of load at the facility for up to 10 hours a day over the course of several months.

That said, Walmart has also starting eyeing energy storage as a prime investment to help smooth the intermittence of renewable energy. Right now, the retail giant has 17 energy storage projects in ...

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