



Jordan antora battery

What is Antora thermal battery?

Antora's thermal battery turns cheap, clean energy into the standard that powers global industry. Charges with surplus clean electricity to deliver cost-effective, zero-emission energy at a predictable price. Multi-day storage delivers always-on heat and power for industrial operations where downtime is not an option.

Who is Antora energy?

Antora Energy, founded by David Bierman SM '14, PhD '17, is commercializing a thermal battery that lets manufacturers use renewable energy around the clock.

How does Antora work?

"Antora has a thermal battery that takes in the electricity, converts it to heat, but also stores it as heat, so even when the wind stops blowing, we have a reservoir of heat that we can continue to pull from to make steam or power or whatever the facility needs.

Where is Antora based?

Antora's thermal battery manufacturing facilities and demonstration unit are located in sun-soaked California, where renewables make up close to a third of all electricity. But Antora's team says its technology holds promise in other regions as increasingly large renewable projects connect to grids across the globe.

What can Antora do for your business?

They Could Also Help Spell the End of Fossil Fuels. LET'S TALK ABOUT WHAT ANTORA CAN DO FOR YOUR BUSINESS. Electrify industrial operations, predictably and profitably. Antora's American-made thermal batteries convert renewable energy into reliable heat & power.

Is Antora a MIT startup?

Bierman has been working on thermal energy storage and thermophotovoltaics since his time at MIT, and Antora's ties to MIT are especially strong because its progress is the result of two MIT startups becoming one.

MIT alumni David Bierman and Jordan Kearns have joined hands to build a thermal battery that lets industrial users rely on renewable energy round the clock, a university press release said. The...

Seeking long-term, scalable alternatives has long been at the forefront for firms, including Antora Energy. The California-based startup aims to solve this problem by employing thermal battery techniques to harness and store energy for ...

Jordan is an expert in energy markets and policy with a decade of experience deploying major projects to electrify industrial heat. Over the past decade, Jordan has developed megawatts of first-of-a-kind power-to-heat projects alongside energy users, renewable energy generators, and ...



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Antora Energy is unlocking zero-emissions industrial heat and power, cheaper than fossil fuels. Antora's thermal battery uses renewable electricity to heat blocks of solid carbon--a low-cost, earth-abundant, and safe storage medium that's ...

Antora Energy is addressing the intermittent nature of wind and solar with a low-cost, highly efficient thermal battery that stores electricity as heat to allow manufacturers and other energy-hungry businesses to eliminate their ...

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Antora Energy is unlocking zero-emissions industrial heat and power, cheaper than fossil fuels. Antora's thermal battery uses renewable electricity to heat blocks of solid carbon--a low-cost, earth-abundant, and safe storage medium that's used extensively across industries--to glowing-hot temperatures.

Antora's thermal batteries can discharge zero-carbon electricity and/or heat at temperatures up to 1500°C or higher. Antora's technology will eliminate gigatons of emissions while increasing U.S. energy security, reducing our nation's dependence on global supply chains, and supporting well-paying American jobs.

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Now, companies such as Form Energy, and a Silicon Valley-based startup Antora Energy are tackling the challenge with more affordable battery technology. "We've developed a new class of battery, which is a thermal battery, which stores energy as heat instead of as electrochemistry or electrochemical bonds," said Justin Briggs, chief ...

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