

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.

What is Antora energy?

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.

Is Antora launching a heat-only battery product?

Antora is currently developing major commercial projects for its first heat-only battery product as Antora's combined heat and power battery product moves rapidly towards commercialization.

What is Antora & how does it work?

Antora bridges the gap between renewable energy and industrial manufacturing. By tapping into low-cost, abundant wind and solar energy, Antora's thermal batteries directly displace onsite fossil fuel combustion at industrial facilities--slashing emissions and enabling manufacturers to use locally-produced, zero-emissions energy.

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.

Leading Industrial Decarbonization Company Recognized for Landmark Thermal Battery Delivering Zero-Carbon Heat and Power . Sunnyvale, CA - Antora Energy, a leader in zero-carbon heat and power for the industrial sector, today announced its thermal battery has been named to TIME's annual list of the Best Inventions, which features ...

Antora's solution is to collect electricity from inexpensive, renewable sources like wind and solar and store it as high-temperature heat, creating a thermal battery. This stored thermal energy can then be used directly to provide process heat up to 1500°C, which many industrial processes require, or it can be converted back to the ...

Just like any other battery, including Li-ion, you charge Antora's battery with electricity. If it's renewable-energy-generated electricity--the cheapest form of primary energy in the world--it's going to be intermittent due to natural fluctuations in wind and sunshine.

Thermal battery maker Antora Energy on Thursday said it has raised \$150 million in a funding round led by a tie-up between the world's biggest asset manager BlackRock BLK and Singapore state investment firm Temasek.. The BlackRock-Temasek partnership, called, Decarbonization Partners, led an investor group including Emerson Collective, GS Futures, ...

Antora Energy in Sunnyvale, Calif., wants to use carbon blocks for such thermal storage, while Electrified Thermal Solutions in Boston is seeking funds to build a similar system using conductive ...

5 ???· Early-stage battery and energy storage companies will have to disrupt conventional approaches, forge strategic partnerships, and navigate a landscape dominated by established giants. Advertisement . Search for. ... Antora ...

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If successful, Ponec and his start-up Antora Energy could be part of a new, multi-trillion-dollar energy storage sector that simply uses sun or wind to make boxes of rocks hot enough to run the ...

SUNNYVALE, Calif., June 25, 2024--Antora Energy selected by DOE's ARPA-E for up to \$14.5 million to accelerate the launch of Antora's combined heat and power thermal battery product.

Antora's thermal battery can store 15 megawatt hours in the footprint of a shipping container--that's 5 times more than a Lithium-ion battery. Antora's thermal batteries take excess solar and wind energy not needed for the grid, and use it to heat blocks of carbon until they're glowing hot -- think of the glow from your toaster when ...

Antora Energy, a developer of thermal batteries, secured \$150 million in Series B funding to help ramp up production.The round was led by Decarbonization Partners, a partnership between BlackRock and Temasek. ...

Assignee: Antora Energy, Inc. Inventors: Andrew Joseph Ponec, Justin Briggs, David Bierman, Sam Kortz ... Actuated heat engines can be utilized to discharge the solid-state thermal battery, converting the heat stored in the thermal storage medium into electricity. The heat engines are actuated in a manner that reduces thermal gradients in the ...

READ the latest Batteries News shaping the battery market. Antora Energy's Thermal Battery Named One of Fast Company's 2023 World Changing Ideas, SUNNYVALE, Calif., May 2, 2023. Antora Energy Awards. CATL Chief Scientist Wu Kai Named As Finalist for European Inventor Award 2023 for Their Contribution to The Safety of Lithium-ion Batteries.

To learn more about Antora Energy, visit and follow the company on LinkedIn and Twitter. About Antora

Energy . Antora Energy is unlocking zero-emissions industrial heat and power, cheaper than fossil fuels. Antora's thermal batteries convert low-cost, intermittent renewable electricity into reliable industrial energy.

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Antora Energy has developed a low-cost, highly efficient thermal battery that stores electricity produced by wind and solar generators as heat, allowing manufacturers and other energy-hungry businesses to eliminate their use of fossil fuels. Above: Antora installs its first commercial-scale unit at an industrial site near Fresno, California.

Web: <https://sailesindustrialmachinery.co.za>