

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.

Does Antora energy have a ready-to-scale thermal battery?

SUNNYVALE, Calif-- ( BUSINESS WIRE )-- Antora Energy, a leader in zero-carbon heat and power for the industrial sector, has launched its proven, ready-to-scale thermal battery.

How does Antora energy work?

Antora Energy's technology stores electricity as heat in extremely inexpensive raw materials and uses a novel thermophotovoltaic heat engine to convert that heat back to electricity when consumers need it, hours, days, or weeks later.

Could Antora energy make a big move to decarbonize industrial heat?

Antora Energy is building its first factory to produce thermal batteries. It could be a big move for decarbonizing industrial heat.

Will Antora start producing thermal batteries next year?

Justin Briggs, Antora's co-founder and COO, says the new factory will begin producing thermal batteries next year, though Briggs was tightlipped on naming customers. (The company has technology that will allow its batteries to output both heat and electricity, but the current factory will produce batteries that output only heat at first.)

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.

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 ...

Bill Gates founded Breakthrough Energy Ventures and is its chairman. Image: UK Department for International Development. Thermal storage startup Antora Energy has raised US\$50 million from a group of investment firms including Bill Gates' Breakthrough Energy Ventures to accelerate the development of its heat-based carbon block energy storage system ...

We source the lowest-cost renewable energy for each project, backed by deep expertise in power markets and partnerships with renewable energy operators and electric utilities. 3 Project Financing. With sophisticated capital markets capabilities, Antora secures competitive project financing from top-tier infrastructure investors. 4 Installation

Antora Energy, an American cleantech company founded in 2017, develops a low-cost thermal storage solution for grid-scale energy storage of renewable resources based on an inexpensive thermal storage medium ...

Contents1 Snapshot2 Early Life and Education3 Career4 Sustainability Highlights and Focus Snapshot Andrew Ponec is a pioneering entrepreneur in renewable energy, dedicated to decarbonizing industrial sectors through innovative energy storage solutions. As co-founder and CEO of Antora Energy, he leads efforts to provide zero-carbon industrial heat and ...

In it, I mentioned another thermal storage company whose technology caught my eye: Antora Energy. Like Rondo, Antora is part of the broad "box of rocks" category, but its tech can do some things that, for the time being, no other thermal battery can do.

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 use of fossil fuels.

Activate Fellows and Antora Energy co-founders Andrew Ponec, Justin Briggs, and David Bierman have raised \$50M to scale thermal energy storage to provide zero-carbon heat and power to decarbonize industry

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Antora's thermal battery stores energy in carbon blocks to heat and power industry without emissions. Innovation Antora Energy developed a revolutionary way to decarbonize heavy industry using thermal batteries that are 3x more energy dense than lithium-ion batteries. Antora's battery stores energy in a stack of commercially available carbon blocks ...

In this episode, Antora Energy CEO Andrew Ponec talks up his company's game-changing approach to thermal energy storage. (PDF transcript) ... And this is a really important point about temperatures for thermal energy storage that often gets missed when you have a process that needs to have heat input to it at a certain temperature. Like, let ...

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's technology stores electricity as heat in extremely inexpensive raw materials and uses a novel thermophotovoltaic heat engine to convert that heat back to electricity when consumers need it, hours, ...

Antora Energy, based in Sunnyvale, California, will use its award of \$14.5 million to scale production of its thermal battery technology, "which turns low-cost renewable energy into reliable, on ...

Antora Energy, a startup developing an energy storage system to integrate large amounts of renewables with the electric grid, was one of four companies selected for funding in the first year of a new collaboration between Shell and the U.S. Department of Energy's National Renewable Energy Laboratory.

Antora Energy, a Bill Gates-backed startup with a bold pitch to use blocks of solid graphite to make heat-storing batteries, announced today that it will be opening its first factory in San...

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