



Antora energy Iceland

What is Antora Energy?

Antora Energy is a startup that has raised millions for its super-heated graphite blocks that can deliver grid power, industrial heat or both. The company, based in the Bay Area, approaches the problem of storing carbon-free energy differently from other startups.

How does Antora work?

Antora's thermophotovoltaic (TPV) technology converts light from the hot carbon blocks into electricity with no moving parts. This enables output of both electricity and heat at industrial scale. Antora's factory-made thermal batteries flexibly scale to match the energy needs of any industrial facility.

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.

How does Antora energy decarbonize heavy industry?

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 an insulated box. These blocks are heated until they glow like a toaster.

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.

How will Antora's batteries impact the energy industry?

Traditionally, fossil fuels have been the cheapest way to power industry, making it the largest greenhouse gas-emitting sector in the country. With Antora's batteries, factories could run on low-cost renewable energy 24/7 without relying on cost-prohibitive, critical material intensive lithium-ion batteries.

Cleantech-Unternehmen Antora Energy erhitzt Blöcke mit überschüssiger Energie auf 1.800 Grad Celsius. Das Cleantech-Unternehmen Antora Energy hat eine bahnbrechende Technologie entwickelt, die sich ähnlich wie ein Toaster verhält - allerdings mit der Fähigkeit, Temperaturen von über 1.800 Grad Celsius zu erreichen und dabei riesige ...

CX-031653: Antora Energy, Inc. -- Deep Decarbonization Enabled by Scale-Up of Solid-State Heat Engines for Ultra-Low-Cost Thermal Batteries Funding will support the project's research, development, and scaling the pilot production of a combined heat and power (CHP) thermal battery which...



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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.

World's First Thermal Battery Capable of Cost-Effectively Delivering Zero-Carbon Heat and Power . Sunnyvale, CA - Antora Energy, a leader in zero-carbon heat and power for the industrial sector, has launched its proven, ready-to-scale thermal battery. The company revealed that it has reached the highest temperature that has been demonstrated to date for thermal batteries at full scale ...

Antora's thermal energy storage soaks up excess solar and wind electricity and uses it to heat blocks of carbon. This thermal energy is then delivered to customers as electricity or industrial process heat, up to 1500°C, on demand. ... Baseload Capital has a portfolio of companies in Iceland, Japan, Taiwan and the U.S. that work with local ...

Antora Energy Raises \$150 Million to Slash Industrial Emissions and Spur U.S. Manufacturing February 22, 2024. Share. Series B funding led by Decarbonization Partners will accelerate production of Antora Energy's factory-made thermal batteries to decarbonize industrial facilities across the U.S. and around the world .

Antora Energy, co-founded by Cohort 2018 fellows Andrew Ponec and Justin Briggs and Cohort 2017 fellow David Bierman, has developed a key solution to this hurdle: turning wind and solar into cheap, reliable ...

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.

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Antora's breakthrough thermophotovoltaics (TPV) technology enables cost-effective heat electricity conversion Recycling low-energy light enables much higher efficiencies than solar PV Antora has demonstrated world record 40% conversion efficiency, with a credible path to >50% Scalable and modular: performance and

Energy is discharged 24/7 as heat at the scale and temperatures that large industrial operations demand. Heat - To - Power Technology Antora's thermophotovoltaic (TPV) technology converts light from the hot carbon blocks into electricity with no moving parts.

The Antora Energy team will develop key components for a thermal energy storage system (solid state thermal



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