

Who is energy dome?

In other words, we are a scale-up company with 15 years of experience on our shoulders. Today, Energy Dome is the only viable alternative in Energy Storage that's making solar and wind power dispatchable using the proprietary CO2 Battery.

Why did Energy Dome secure funding for?

Energy Dome SpA announced on Tuesday that it has secured USD 11 million (EUR 9.7m) in funding to finalise the construction of a demonstration 2.5-MW/4-MWh carbon dioxide (CO2) battery storage project in Sardinia and to speed up business growth.

Does energy dome have a battery storage project?

Energy Dome plans to build CO2 battery storage projects at half the cost of lithium-ion battery storage technology globally. The first commercial CO2 Battery storage facility by Energy Dome is under construction in Sardinia, Italy, and now offers the CO2 Battery on utility scale with performance warranties.

How can energy dome save the world?

Humbly speaking, there's only one way to start saving the world. Energy Dome solves the problem of long-duration energy storage with technology that is made with off-the-shelf components, it is scalable to your needs, with easy maintenance, and sustainable materials such as steel and CO2.

Why is the European Commission supporting energy dome?

"This strategic support by the European Commission will enable Energy Dome to accelerate the scale up of our business and the deployment of CO2 Batteries across global markets," said Claudio Spadacini, Founder and CEO of Energy Dome.

How does Energy Dome's energy storage system work?

Energy Dome's emission-free energy storage system uses carbon dioxide in a closed loop charge/discharge cycle that can store and dispatch renewable energy onto the grid over periods from four to 24 hours. Energy Dome reports that it plans to build energy storage projects at half the cost of lithium-ion battery storage technology globally.

The CO2 battery will store some 20MW of renewable energy supplied by nearby solar and wind farms on the island. Energy Dome already built a demonstration plant on the island last year.

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Energy Dome's team is proud of participating to the global energy transition starting from Sardinia, by contributing to the great ambition of making it the first Italian island 100% green.

The company invented and developed the CO₂ Battery, a Long-Duration Energy Storage system that makes Long Duration Energy Storage viable globally, today. The properties of carbon dioxide allow the system to store energy efficiently and cost-effectively, with a modular and site-independent footprint. CO₂ Batteries use readily available, off-the ...

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