

Why should you invest in thermal energy storage solutions?

With our roots in Serbia and eyes on the world, our mission is to drive the transition to sustainable energy sources, particularly in heat and power applications. We utilize novel thermal energy storage solutions to bridge the gap between energy generation and demand, facilitating greater integration of renewable sources into the grid.

What is thermal energy storage?

Our patented thermal energy storage technology harnesses the power of recycled ceramics, resulting in an efficient, affordable, and environmentally-friendly energy solution. The ceramic material is heated up to 900 degrees Celsius, after which the stored heat can be dispatched on demand.

What is storenergy?

Welcome to StorEnergy, where we're reshaping the future of energy storage. Our groundbreaking thermal energy storage solution, powered by recycled ceramics, embodies our commitment to innovation, sustainability, and cost-efficiency. StorEnergy is the answer to reliable and eco-friendly energy storage.

How has CIEMAT transformed energy storage & delivery?

We've initiated several groundbreaking projects both domestically and internationally. Our most notable undertaking is the 3 MWh thermal storage capacity system at the CIEMAT institute in Spain. This has served as a valuable test bed for our technology, reinforcing our belief in its potential to transform energy storage and delivery.

The element missing from Serbia's energy landscape--the one that will ultimately determine the success of the renewable transition--is large-scale energy storage. Batteries will not simply complement ...

The seasonal thermal energy storage system, combined with power-to-heat solutions, will store surplus electricity from renewables, boosting grid balancing capacity and reducing investment risks ...

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Li: Serbia's rapid economic growth will require more renewable energy. China's Ambassador to Serbia Li Ming said Serbia has rapid economic growth, requiring more renewable energy. Chinese companies are dominant ...

Additionally, the seasonal thermal energy storage and Power-to-Heat solutions will allow for surplus electricity from renewable sources to be stored, enhancing grid balancing, supporting the electricity ...

Long-duration energy storage therefore represents a decisive inflection point for South-East Europe's power systems. It converts renewable capacity from a volatility driver into a controllable resource, transforms ...

Summary: Belgrade's ambitious 100 billion energy storage projects aim to transform Serbia into a regional leader in renewable energy integration. This article explores the scope, technologies, and economic impact ...

The Novi Sad District Heating Company secured financing for its solar thermal project, for an innovative hybrid system for seasonal energy storage that would combine solar collectors, thermal storage ...

EBRD providing up to EUR105 million loan to Serbia to decarbonise district heating Investment to finance the construction of a large-scale solar-thermal plant in Novi Sad Project qualifies for an investment ...

In addition, seasonal thermal energy storage, combined with power-to-heat solutions, will enable the storage of surplus electricity from renewables, enhancing grid balancing capacity, supporting electricity ...

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