

Europe and China are leading the installation of new pumped storage capacity - fuelled by the motion of water. Batteries are now being built at grid-scale in countries including ...

With renewable energy projected to constitute 69% of the EU's electricity mix by 2030, TES emerges as a crucial solution to address energy demand, grid stability, and decarbonization challenges. As Europe steers towards a carbon-neutral ...

Ending dependence on gas and electrifying processes with efficient thermal energy storage is the only cost-effective solution for industry to decarbonise. As we look ahead to 2023 and beyond, we reflect on one of the ...

EASE has prepared a paper that aims to shed light on the numerous benefits of thermal energy storage (TES) by providing an overview of technologies, inspiring projects, business cases, ...

Several projects have been funded by the EU for the development of high-temperature phase change material as a viable medium of thermal energy storage. In total Horizon Europe funded ...

At present, heating and cooling represent around 50% of the final energy demand in Europe and are for a large part supplied by fossil fuel derived energy. Large scale seasonal heat storage is a key strategy to ...

Borehole Thermal Energy Storage (BTES) is a large, underground heat exchanger. A BTES system consists of a set of tubes installed in the underground, placed vertically in a borehole. ...

On 22 November, an EHPA webinar discussed the role of thermal storage technology in Europe's energy communities, unlocking challenges and opportunities for future applications with case studies from the ...

The Energy Storage Global Conference (ESGC) is back! The conference's fifth edition will be held on 11 - 13 October 2022 and is organised by EASE - The European Association for Storage of Energy, with the support of the European ...

The PUSH-IT initiative aims to demonstrate the full-scale application of seasonal heat storage using three different technologies: aquifer thermal energy storage (ATES), borehole thermal energy storage (BTES), and ...

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