

Green Hydrogen, Energy Storage & Solar: The Future of Energy Is Collaborative and Digital We need to discuss the importance of collaboration, innovation, and digitalization in driving a ...

Bangkok: PTT Group has taken a significant step towards achieving its Net Zero target by signing a memorandum of understanding focused on the feasibility study of Carbon Capture Utilization ...

Hydrogen storage plays a crucial role in enabling its large-scale adoption as an energy carrier. This study examines the technical and economic aspects of storing hydrogen in 200-bar ...

A breakthrough in clean energy could unlock affordable, industrial-scale green hydrogen. For the first time, scientists have determined how to scale up decoupled water electrolysis, a technique that produces green hydrogen ...

By combining experimental insights with computational advances, carbon-based hydrogen storage platforms are expected to play a pivotal role in the next generation of energy storage ...

This paper proposes a two-layer, multi-step optimal sizing framework for electric-hydrogen energy storage to address multi-scale energy storage requirements. The first step, the optimal sizing ...

3 April 2023 - Bangkok: SCG collaborates with Toyota and CJPT to advance the joint efforts in developing three key environmental innovations, encompassing energy production, including hydrogen energy from biomass ...

The new liquid contains up to 6.9% hydrogen by weight, surpassing the hydrogen storage goals set by the U.S. Department of Energy for 2025. This discovery marks the beginning of a new ...

The development of clean and renewable energy is crucial for sustainable economic growth and environmental protection [1]. Hydrogen, with its advantages of high calorific value, abundant ...

Nanomaterials with remarkable specific structures indicate promising applications in the field of energy storage, electrocatalysis, and fuel cells. Currently, the present research aims to explore ...

METASPACEX, a leading energy sector company, has announced a strategic partnership with Chongqing Bihe New Energy Technology Co., Ltd. (Chongqing Bihe) to enter the hydrogen ...

Selecting the right hydrogen storage method involves a careful consideration of various factors, including application requirements, infrastructure availability, cost, and safety. Compressed ...



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(Hydrogen Thailand Association) ?????????????????????????????????????? ...

Thailand's look at these models, along with local partnerships, signals its intent to join the shift. As Thailand faces the challenges of energy security and climate responsibility, SMRs stand out as ...

Hydrogen storage used to be one of those niche industrial topics only a few insiders really paid attention to. But not anymore. Today, it's becoming a powerhouse in the global clean energy ...



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