

Nepal's Green Hydrogen Policy offers fiscal and infrastructural incentives to attract early movers. It includes provisions for land access, transmission line construction, carbon trading ...

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 ...

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 ...

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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 ...

KATHMANDU, July 10: The state-owned Nepal Oil Corporation (NOC), which has been importing and selling petroleum products from India, has unveiled plans to produce and use hydrogen ...

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 ...

This CEG report contains new analysis evaluating the feasibility of hydrogen power plants as long-duration energy storage resources, based on cost competitiveness as well as equity and ...

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 ...

Additionally, specialized research institutions such as Green Hydrogen Lab at Kathmandu University has been working to develop necessary technologies to support this transition. This ...

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 ...

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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As the global community struggles with the severe implications of climate change, the transition to Clean Energy (CE) has emerged as a critical priority. Among the myriad of CE options, hydrogen stands out for its potential ...

So-called liquid organic hydrogen carriers (LOHCs) offer a solution to the storage and transport problem. But inserting and extracting hydrogen into LOHCs requires catalysts that are often ...

Among the myriad of CE options, hydrogen stands out for its potential to revolutionize the energy landscape. This article explores the historical context of global warming, the rise of CE, the benefits and challenges of ...



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