

Australia's \$12.5B Central Queensland Hydrogen Project has collapsed after Stanwell withdrew support, citing failed funding and international partner exits. The downfall signals major hurdles ...

Its clean hydrogen and fuel cell technology provides a low-carbon option for transport, logistics, and industry. With government support and a clear pipeline of green projects, Plug is aiming to ...

Furthermore, DOE is funding RDD& D and actively collaborates with industrial partners to quantify the economic benefits that hydrogen storage might provide under specific grid conditions given ...

Graphitic materials have shown great promise for hydrogen storage applications due to their high surface area and lightweight nature. However, several significant challenges currently hinder ...

MANILA, Philippines -- The Department of Energy (DOE) is still awaiting President Ferdinand Marcos Jr.'s green light for the country's first native hydrogen service contracts, an official

To build a modern-day electrical grid with the flexibility and resilience to handle ebbing and flowing energy sources like solar and wind power, West Virginia University engineers have designed ...

French climate tech startup Khimod just closed a major deal--securing EUR23 million in funding to fast-track the rollout and commercialization of its breakthrough Power-to-X (PtX) technology. ...

- Jud Virden, a 30-year energy R& D leader, becomes NREL director on October 1, 2025, aligning with global decarbonization priorities. - His focus on grid resilience, perovskite solar cells, and hydrogen tech will accelerate IRA-driven ...

Agfa and VITO Kick Off Full-Scale ZIRFON Production Agfa and VITO are taking a big leap toward the future of clean energy with the official opening of a large-scale production facility for ...

Our work investigates the potential of Ca-decorated Psi-Graphene for efficient hydrogen storage using first-principles electronic structure calculations and ab initio molecular dynamics ...

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Researchers focus on hydrogen storage material properties, storage system configurations, interface requirements, and well-to-wheel analyses. NREL conducts analysis, develops tools, and builds data resources to support the ...



Doe hydrogen storage

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 ...

Air Liquide invests \$200M in Louisiana to modernize an ASU and extend its Gulf Coast pipeline, reinforcing supply to Dow and boosting industrial resilience in the Mississippi River corridor.



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