



North Cyprus Hydrogen Energy Site 3 44MWh





Overview

Is Cyprus a good destination for hydrogen production?

Cyprus' case as a destination for use and production of hydrogen is a particular one. On the one hand its geographical location and abundance of solar radiation make it a partially attractive option for renewable hydrogen production, where costs can be lower than in continental central and northern Europe.

Does Cyprus need a hydrogen pipeline?

To achieve a constant blend, hydrogen storage would be required that will drive costs up. Since however Cyprus does not have an existing gas pipeline network to leverage on, any new pipeline project should be able to carry hydrogen in any blending ratio, even in pure form.

Does Cyprus have a hydrogen refinery?

This can be a challenge for the local industry. There are no refineries in Cyprus, which currently constitutes a significant user base of hydrogen in other countries. A refinery was operating on the island between 1972 and 2004, when it ceased its operations. As Cyprus gradually decarbonises, local refining of petroleum products is not foreseen.

Does Cyprus need a hydrocarbon storage system?

Moreover, Cyprus needs a systematic and rigorous survey of geological formations that would be suitable for hydrogen (and CO₂) storage, such as salt caverns and depleted aquifers since there are no hydrocarbon reservoirs to take advantage of yet.



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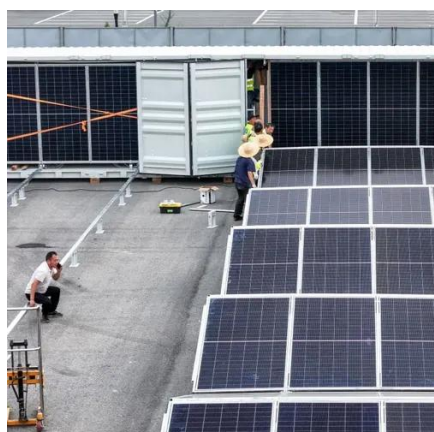


Cyprus and Eastern Mediterranean can leverage natural gas ...

Using complex Gaussian bell curve algorithms to map natural gas production trajectories, the research outlines how regional cooperation and strategic investments can ...

[Cyprus Advances in Renewable Energy with ...](#)

The 'GreenH2CY' project in Cyprus aims to establish a green hydrogen production facility, fueling station, and storage facility, marking a ...



Cyprus National Hydrogen Strategy

The strategy focuses on concrete actions for the period 2025-2030, aimed at developing and promoting the hydrogen market, with an ...

[Cyprus hydrogen project secures permits and EU support](#)

The station will be located in the Aradippou area of Larnaca and is expected to produce 150 tonnes of hydrogen per year, equivalent to about 627 tonnes of diesel. The ...



Cyprus hydrogen station Larnaca: Building permits secured ...

The first hydrogen production station and refuelling facility has received the necessary building permits whilst simultaneously securing essential co-financing from Europe. ...



HYDROGEN: From Cyprus CHA

Additionality: New renewable generation must be added to support hydrogen production. Temporal correlation: Hydrogen must be produced during the same time period as RES ...



Support to REPowerEU Cyprus

Opportunity for Cyprus to position itself as a future hub of production and distribution of hydrogen, or hydrogen-based derivatives that might emerge as trade commodities.



New Hydrogen Production Facility Secures EU-Backed Permits ...



The first integrated hydrogen production and refueling station in Cyprus has officially secured the required construction permits, simultaneously confirming the necessary ...



Green Hydrogen Innovation Centre , International Solar Alliance

The GreenH2CY project, announced in 2023, aims to produce green hydrogen in Cyprus using renewable energy sources. This project will support the transition to hydrogen-fueled vehicles, ...



[Cyprus Advances in Renewable Energy with Green Hydrogen ...](#)

The 'GreenH2CY' project in Cyprus aims to establish a green hydrogen production facility, fueling station, and storage facility, marking a significant step towards transportation ...



Hydrogen Energy Cyprus

Our hydrogen energy systems are designed to serve various needs across Cyprus. Perfect for homeowners with solar panels who want to maximize self-consumption and gain ...



[Cyprus hydrogen station Larnaca: Building permits ...](#)



The first hydrogen production station and refuelling facility has received the necessary building permits whilst simultaneously securing ...



Cyprus National Hydrogen Strategy

The strategy focuses on concrete actions for the period 2025-2030, aimed at developing and promoting the hydrogen market, with an emphasis on the transport sector, ...



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