

# Construction of Niue Solar Hydrogen Production Project

Why did the IEA create the hydrogen production projects database?

The IEA produced these datasets as part of efforts to track advances in low-emissions hydrogen technology. The Hydrogen Production Projects Database covers all projects commissioned worldwide since 2000 to produce hydrogen for energy or climate change-mitigation purposes.

When is the hydrogen production and infrastructure projects database updated?

The Hydrogen Production and Infrastructure Projects Database is updated annually in October. This work is available under the Creative Commons Attribution 4.0 license (CC BY 4.0). Hydrogen is a versatile energy carrier, which can help to tackle various critical energy challenges.

What is project-level data on low-emissions hydrogen production?

Project-level data on low-emissions hydrogen production worldwide, created to complement the Global Hydrogen Review 2023. Our interactive global map features operational and announced projects to produce low-emissions hydrogen, classified by technology route and status, from concept to operation.

What projects are included in the hydrogen infrastructure projects database?

Projects in planning or under construction are also included. The Hydrogen Infrastructure Projects Database covers all projects under development worldwide of hydrogen pipelines, underground storage facilities and import/export terminals dedicated to low-emissions hydrogen and hydrogen-based fuels.

What is the source hydrogen production project database?

Source Hydrogen production project database link. The Hydrogen Production Projects Database covers all projects commissioned worldwide since 2000 to produce hydrogen for energy or climate change-mitigation purposes.

Can Africa generate clean hydrogen from photovoltaic power output?

This study focuses on the African green hydrogen production industry, utilizing Nigeria as a case study to explore the feasibility of generating clean hydrogen vectors from a percentage of photovoltaic power output in various regions of the country through stand-alone solar grid electrification projects.

This ground-breaking project, located on the coastal tidal flats of the Yudong Reclamation Area in Rudong County, marks a significant milestone as China's first integrated ...

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There has been a wave of green hydrogen projects beginning construction in China in the past six weeks, including a \$1.5bn facility in Xinjiang with its own H<sub>2</sub>-fired power ...

Benefiting from some of the world's finest solar resources, Namibia's abundant sunshine makes it an optimal choice for green hydrogen production. Moreover, the production ...

This study focuses on the African green hydrogen production industry, utilizing Nigeria as a case study to explore the feasibility of generating clean hydrogen vectors from a ...

Viva Energy said construction is "well underway" on a publicly accessible green hydrogen refuelling station being developed opposite its oil refinery in Geelong, Victoria. The refuelling station is part of its \$43.3 million ...

Mozambique is rich in solar resources, with direct normal irradiation of 4.05-5.51kWh per metre squared, according to the Global Solar Atlas. Some of the hydrogen ...

Scheduled for completion at the end of next year, the project envisages construction of four water electrolysis hydrogen production units each with capacity of 1000 ...

The project, near the city of Shuangyashan, Heilongjiang province, is described by the provincial government as the "the world's first 100,000-tonne-class wind-solar-hydrogen ...

5 ???&#0183; The project involves the construction of a hydrogen production plant in Mulei County, Changji, Xinjiang, China. Construction work started in Q3 2024 and is forecast to complete in ...

Web: <https://www.vielec-electricite.fr>