



# Lithium hydrogen solar container business park

<div class="df\_qntext">Who is building the Smart hydrogen hub?

Platform Zero, Battolyser Systems, the Port Authority, Sunrock, the City of Rotterdam and other partners are working together on the Smart Hydrogen Hub, an important piece of the puzzle for the energy transition. Leonoor: "We are building the Smart Hydrogen Hub, for and with M4H."

<div class="df\_qntext">Will Rotterdam become a hydrogen hub?

As Europe's largest port and the Netherlands' biggest industrial cluster, the Port of Rotterdam plays a leading role in the energy transition and is transforming into a future hydrogen hub. H2Next will be strategically located at the first conversion park in the Port, near the landfall points of several offshore wind farms.

<div class="df\_qntext">Will h2next supply green hydrogen to other industrial clusters?

Thanks to the planned national hydrogen network and the Delta Rhine Corridor, H2Next will also be able to supply green hydrogen to other industrial clusters across Northwest Europe. HyCC is currently finalizing the project's study phase, with the aim of starting green hydrogen production around 2030.

<div class="df\_qntext">Where will Green Hydrogen be produced?

An installation for the production of green hydrogen, with a smart energy network and all the associated infrastructure, will be built on the M4H business park (Merwe-Vierhavens) during the course of this year. The intention is for this large test facility to gain more experience with the production, processing and delivery of this green fuel.

<div class="df\_qntext">Where will Gasunie develop a large-scale hydrogen storage site?

Gasunie plans to develop the first large-scale hydrogen storage at this location. In total, 4 hydrogen caverns will be developed here with a total storage capacity of 20 ktonnes of hydrogen. The site at Zuidwending is also particularly suitable because it is located near the natural gas network.

<div class="df\_qntext">Is a hydrogen system being built in Rotterdam?

A hydrogen system is under construction in the port of Rotterdam, combining production and use primarily in industry, as well as the import and transit of hydrogen to other parts of Northwest Europe. Despite challenges posed by increased costs and economic uncertainties, the system is steadily taking shape.

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The solar hydrogen park is set to become a new instrument in the energy transition, with Solhyd technology at its core. Today, solar parks across Europe generate green electricity.

Unit one container for both battery and PCS), or grid- scale BESS (with dedicated containers for both batteries and PCS) oGrid frequencyin Hertz (Hz) oIngress protection (IP) requirements. For exam- ple, ...

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