

# Hydrogen Energy Base Station





## Overview

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What is the International Hydrogen Energy Valley?

The International Hydrogen Energy Valley in Shanghai's Lingang Special Area aims to exceed a 20-billion-yuan scale in the hydrogen fuel cell industry by 2025. It seeks to become a world-class fuel cell vehicle innovation center and an industrial hub supporting Lingang Special Area's pioneering zone for hydrogen energy development.

What is the largest hydrogen refueling station in the world?

With a daily hydrogenation capacity of 4.8 tons, Hypower is the largest hydrogen refueling station in the world, said Wang Kun, a project leader of the Daxing International Hydrogen Energy Demonstration Zone. Phase 2, which kicked off construction in 2021, was put into operation at the end of 2022.

Why is hydrogen available in Shanghai hydrogen fueling stations?

In addition, hydrogen produced from Shanghai offshore wind power is able to consume fluctuating output, makes carbon free hydrogen available in Shanghai hydrogen fueling stations. On-site hydrogen production from natural gas is one of the global trends in the development of hydrogen fueling stations.

Can external hydrogen supply solutions be used in a hydrogen fueling station?

If limiting the end-use cost within 40 CNY/kg including the cost of hydrogen dispenser, according to operating experience in China, all external hydrogen supply solutions cannot be applied in the hydrogen fueling station with a scale of 1000 kgH<sub>2</sub> /d, even for solution 3a with internal hydrogen sources.



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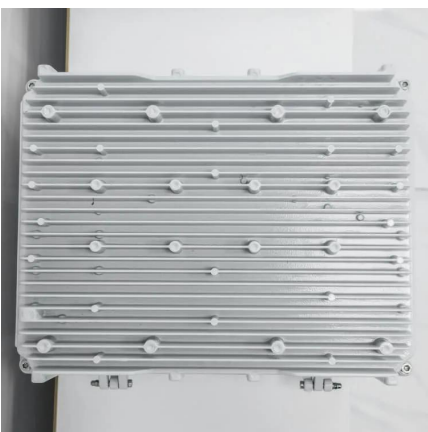


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