

SolarInvert Energy Solutions

Rankings of Hydrogen Energy Base Stations







Overview

How many hydrogen refueling stations are there?

By the end of 2023, there were 1,063 hydrogen refueling stations (HRS) in operation in 35 countries worldwide. The number of stations globally is forecast to increase to 6,080 by 2030, fueled by favorable government policies and rising demand for hydrogen-powered vehicles. The HRS supply chain comprises numerous regional and global operators.

Which country has the most hydrogen refueling stations?

A paid subscription is required for full access. China has the greatest number of hydrogen fuel stations of any country worldwide. As of August 2024, there were 226 operational hydrogen refueling stations in the country. This was followed by South Korea and Japan.

Which countries have the most hydrogen stations?

(Image: H2stations.org) Asia leads by a wide margin, boasting 748 active stations. China accounts for the largest share at 384, followed by South Korea with 198 and Japan at 161. Notably, South Korea added 25 stations – its third consecutive year at that pace – reinforcing its position as a major hydrogen hub.

Will hydrogen stations increase in the future?

Alastair Hayfield, Senior Research Director at Interact Analysis, says, "With the growth of hydrogen-powered vehicles and favorable policies towards the market, we expect deployments of hydrogen stations to increase in the coming months and years.

Where can I find hydrogen fueling station locations?

Visit the Alternative Fuels Data Center to find hydrogen fueling station locations in the United States. The following publications provide more information about NREL's hydrogen fueling infrastructure analysis activities



and capabilities.

How many hydrogen stations are there in Europe?

Notably, South Korea added 25 stations – its third consecutive year at that pace – reinforcing its position as a major hydrogen hub. Europe saw its station count rise to 294, with Germany at 113 and France at 65. The Netherlands reached 25 stations, while Bulgaria and Slovakia each opened their very first stations in their capitals.



Rankings of Hydrogen Energy Base Stations



1000 hydrogen refueling stations in operation globally,

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Nov 4, 2020 · a summary of 10 Chinese energy companies investing in green hydrogen and their strategies in the green hydrogen market.



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China Sinopec

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May 19, 2025 · In 2024, China continued





to refine policies and measures for the hydrogen energy industry, driving innovation in hydrogen technology and

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clearly indicate a very positive development trend for fuel cell vehicles and hydrogen refueling stations in 2021, with the highest number of new vehicles and ...

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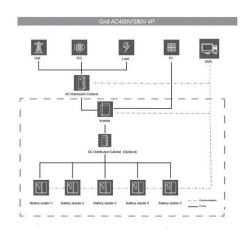
China Surpasses Japan to Lead Global Hydrogen ...

May 4, 2025 · China has surpassed Japan in terms of competitiveness in hydrogen energy patents, becoming the global leader. According to a recent ...

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Hydrogen Station Database 1Q 2025: China Leads with the

Jan 21, 2025 · According to the database, the highest number of hydrogen stations have been built in China, followed by Japan. In the Asia-Pacific region, the deployments in China grew ...



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Top 10: Hydrogen Companies , Energy Magazine

Jul 19, 2023 · Energy Digital takes a look





at the top 10 companies making waves in the industry as we continue to see growth in hydrogen demand and generation

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A study on the macro-micro two-stage site selection of ...

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microgrids utilizing renewable energy sources for hydrogen production and refueling has become a focal point of ...

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Number of hydrogen fuel stations by country ...

Aug 19, 2025 · China has the greatest number of hydrogen fuel stations of any country worldwide. As of August 2025, there were. Log in or register to access

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Risk analysis on mobile hydrogen refueling stations in Shanghai

Dec 3, 2014 · To better understand the hazards and risks associated with the mobile hydrogen refueling stations, a risk analysis was preformed to improve the safety...



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New report: There are now 1,000+ hydrogen ...

Feb 17, 2025 · According to the latest





figures from LBST's H2stations report, the number of operational hydrogen refuelling stations worldwide has officially ...

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Hydrogen Fueling Infrastructure Analysis, Hydrogen and ...



Feb 13, 2025 · NREL's technology validation team is analyzing the availability and performance of existing hydrogen fueling stations, benchmarking the current status, and providing feedback ...

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China tops world in hydrogen stations, fueling a ...

Jan 6, 2024 · According to Jiang Lijun, vice president of the Chinese Renewable Energy Society, China has built over 400 hydrogen refueling stations, ranking ...

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More than 1,000 H2 refueling stations in ...

Feb 13, 2025 · Around 1,160 H 2 refueling stations were in operation worldwide at the end of 2024, which represents a further increase compared to the previous ...

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