

Kongres Container

How many hydrogen energy stations are there in Russia



Overview

Specifically, by the end of 2024, around 1,160 stations were up and running – an impressive milestone for an industry once viewed as the distant future of clean mobility. Can Russia meet global demand for low-carbon hydrogen?

With its vast natural resources, established energy infrastructure, and scientific expertise, Russia aims to leverage its potential to meet the growing global demand for low-carbon hydrogen. The strategy aligns with global climate goals and the transition to a low-carbon economy.

Can Russia become a global leader in green hydrogen production and export?

Russia envisions becoming a global leader in green hydrogen production and export. With its vast natural resources, established energy infrastructure, and scientific expertise, Russia aims to leverage its potential to meet the growing global demand for low-carbon hydrogen.

Can Russia develop hydrogen energy?

The government has approved its overall concepts for developing hydrogen energy in Russia, which call for the creation of a hi-tech export-oriented sector with an annual export volume of up to 50 million tonnes of hydrogen by 2050.

How much hydrogen does Russia produce a year?

Targeting 20% of market share by 2030, Russia is set to ramp up production over the next five years. Studies indicate that Russian hydrogen production was at 3.4 million mt in ammonia and 2.7 million mt in refining in 2021. It expects these volumes to increase to 3.8 million mt and 3.1 million mt, respectively, by 2025.

How many hydrogen refuelling stations are there worldwide?

According to the latest figures from LBST's H2stations.org report, the number of operational hydrogen refuelling stations worldwide has officially crossed the 1,000 mark. Specifically, by the end of 2024, around 1,160 stations were up

and running – an impressive milestone for an industry once viewed as the distant future of clean mobility.

Can Russia produce green hydrogen?

Given its vast water resources and its potential for generating wind energy, Russia can produce large amounts of green hydrogen to meet the future demands of energy markets. In addition, it is also among the world's top producers of nuclear energy with 38 operational nuclear plants, which can further contribute to producing low carbon hydrogen.

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