

Hydrogen energy storage for New Delhi buses

Where will hydrogen buses be available in India?

In addition to Delhi, routes in Haryana and Uttar Pradesh have been chosen for hydrogen bus service once the fleet number increases. A modest green hydrogen facility created for the testing at IndianOil's R&D site in Faridabad will provide fuel for the two buses.

Will Indian Oil introduce more hydrogen fuel cell buses in Delhi NCR?

IndianOil plans to introduce 15 more hydrogen fuel cell buses in Delhi NCR by the end of 2023. These buses will help gather performance data under Indian operating conditions, assessing efficiency and sustainability. How Does Green Hydrogen Transform India's Energy Landscape?

Who is launching India's first green hydrogen fuel cell bus?

Union Minister to flag off 1st Green Hydrogen Fuel Cell Bus in Delhi. IndianOil conducting trials of 15 fuel cell buses. Union Minister of Petroleum & Natural Gas Hardeep Singh Puri is set to launch India's first green hydrogen fuel cell bus at Kartavya Path in Delhi on Monday, according to the Press Information Bureau (PIB).

Will Delhi be the first city to roll out hydrogen-enriched Compressed natural gas buses?

for public transport from November. Delhi will be the first city in the country to roll out hydrogen-enriched compressed natural gas (HCNG) buses (Yogendra Kumar/HT PHOTO) As a pilot project, 50 CNG buses of the existing 5,521 fleet of state-run buses and will be retrofitted with HCNG instead.

Are hydrogen buses a viable alternative to diesel and CNG buses?

Hydrogen buses produce zero emissions, making them a much cleaner and more sustainable alternative to diesel and CNG buses. The trial run of these two buses is the first step in evaluating the feasibility of using hydrogen buses on a large scale in Delhi.

What is a green hydrogen fuel cell bus?

Recently, the Union Minister of Petroleum & Natural Gas flagged off the country's first Green Hydrogen Fuel Cell Bus in New Delhi, marking a revolutionary step in the transition to clean energy. What is a Green Hydrogen Fuel Cell? Green Hydrogen Fuel Cells are a clean, reliable, quiet, and efficient source of high-quality electric power.

Union Minister of Petroleum & Natural Gas Hardeep Singh Puri is set to launch India's first green hydrogen fuel cell bus at Kartavya Path in Delhi on Monday, according to the Press...

It's a 9-meter bus empowered by a 60kW PEM Fuel Cell engine for electric drive. The official statement says that the novel bus will give a minimum range of 450 km and emit mere water in exhaust. OIL informed that the Green Hydrogen required for the bus will come from OIL's Green Hydrogen plant in Jorhat, Assam. The

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oil major had recently ...

IndianOil will supply fuel for the two buses from a small green hydrogen facility built for the trials at its R&D facility in Faridabad. The facility will produce 75 kg of green hydrogen by electrolysing water with electricity from renewable sources. The buses are powered by fuel cells based on polymer electrolyte membrane.

The national capital, Delhi, got its first glimpse into the zero-emission future of the city's public transport on Monday. Petroleum and Natural Gas Minister Hardeep Singh Puri ...

New Delhi: Union minister for power and new & renewable energy R.K. Singh chaired an important meeting at Atal Akshay Urja Bhawan in New Delhi, focusing on the integration of green hydrogen in India's transport ...

On October 21, when Bhutanese Prime Minister Tshering Tobgay visited India, he was taken for a ride- well a ride as green and clean as his own homeland, the eastern Himalayan kingdom. Indian petroleum and natural gas minister Hardeep Singh Puri unveiled India's first green hydrogen fuel cell bus in New Delhi recently, stating that with hydrogen, the ...

Storage of hydrogen as a gas typically requires high-pressure tanks (350-700 bar [5,000-10,000 psi] tank pressure). Storage of hydrogen as a liquid requires cryogenic temperatures because the boiling point of hydrogen at one atmosphere pressure is -252.8°C. Hydrogen can also be stored on the surfaces of solids (by adsorption) or within solids (by absorption). Hydrogen as a fuel ...

The national capital, Delhi, got its first glimpse into the zero-emission future of the city's public transport on Monday. Petroleum and Natural Gas Minister Hardeep Singh Puri flagged off the trial run of two hydrogen buses procured by IndianOil Corporation, the country's largest oil refiner and fuel retailer, from Tata Motors.

A new project under a joint venture between Indian Oil Corporation Ltd and Tata Motors testing hydrogen fuel cell buses in Delhi is slated to begin before the end of this year. If the test period works out as well ...

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In its constant efforts for strengthening its footprint in the clean and green fuel sector, the state-owned NTPC on Monday announced that its subsidiary NTPC Vidyut Vyapar Nigam Ltd (NVTN) has floated a tender for

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deployment of hydrogen fuel ...

New Delhi, India (25 September 2023): In a momentous step towards a greener and more sustainable future, Union Minister Hardeep S Puri recently flagged off India's first Green ...

The new buses are powered by fuel cells primarily based on polymer electrolyte membrane technology. They have four tanks with a combined ability to keep 30 kg of hydrogen. Refilling these buses is a short 10-12-minute ...

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