

# **There are several hydrogen energy stations in Croatia**





## Overview

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What is Croatia's development plan for hydrogen refuelling stations?

Croatia's development plan for hydrogen refuelling stations is strategically designed to integrate hydrogen fuel infrastructure within the national framework and the broader EU transport network, aligning with the EU's Trans-European Transport Network (TEN-T).

Where is hydrogen used in Croatia?

In the Republic of Croatia, hydrogen is used in Petrokemija Kutina and in the Rijeka Oil Refinery, and very small quantities in other industries. According to INA data, the share of hydrogen in products not used by the transport sector is negligible (currently less than 5% of products).

Are hydrogen fuel cell electric vehicles the future of transport in Croatia?

The transport sector in Croatia shows considerable promise for hydrogen applications, particularly for reducing GHG emissions and dependence on fossil fuels. Hydrogen fuel cell electric vehicles (FCEVs) are suitable for heavy-duty road transport, buses, and vehicles covering long distances.

What is the hydrogen transport system in Croatia?

Therefore, hydrogen transport system in Croatia will consist of Hydrogen Supply Systems Croatia - North and Croatia - South. The Croatia - North project involves repurposing the 75-bar system north of Karlovac and the 50-bar pipeline in continental Croatia towards the main consumption centres.

Which sector is the most mature for hydrogen application in Croatia?

onments. Accordingly, the transport sector is also the most mature for hydrogen application in Croatia. Although the share of heavy vehicles is still negligible globally, given the promising technology for the application of fuel cells for heavy vehicles a.



What is the potential for hydrogen production in Adriatic Croatia?

Adriatic Croatia has significant potential for hydrogen applications in public transport, industrial plants, and maritime transport. The region will focus on solar and wind power plants for renewable hydrogen production, with consideration of seawater use for electrolysis.



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### Croatia earmarks subsidies for its first hydrogen filling stations for

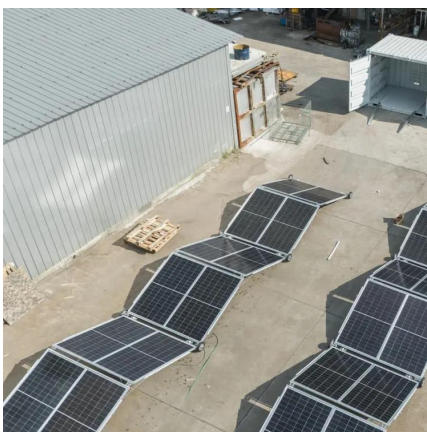
The Ministry of Economy and Sustainable Development has prepared EUR 29.6 million to subsidize the construction of hydrogen filling stations and electricity chargers for ...

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### [The State of Hydrogen Fueling Stations in the U.S.](#)

Challenges Facing Hydrogen Fueling Stations  
Despite its overall potential to optimize energy efficiency and support environmental preservation, there are both benefits and ...

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### Croatia Invests in Hydrogen Expansion with INA's EUR15 Million Grant

INA plans to make green hydrogen available across ten filling stations throughout Croatia, ensuring wider accessibility and fostering the transition to cleaner energy.

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### Techno-economic assessment of hydrogen refueling station: A ...

Hydrogen refueling station (HRS) capacity and location depend on the users, which makes it difficult to select the most favorable option



before potential users are actually identified. As in ...

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### First battery-electric train enters operation in Croatia

Croatia's state-owned rail operator, HŽ Passenger Transport (HŽPP), has put into commercial operation the country's first battery-electric train (BEMU) on the Zagreb - Bjelovar ...

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### Croatia pioneers hydrogen fuel stations for clean transport

While the exact number of stations is yet to be finalized, the plan is to build at least six hydrogen filling stations throughout Croatia. This initial network would lay the foundation for ...

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### Description: Techno-economic assessment of hydrogen refueling station

Hydrogen refueling station (HRS) capacity and location depend on the users, which makes it difficult to select the most favorable option before potential users are actually identified. As in ...

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### **Hydrogen filling station project underway on Vis island in Croatia**

The City of Vis and the H2 association are developing a plan to build the first hydrogen filling station in Croatia. The fuel would be produced for boats and utility vehicles, ...

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### **Implementation of the Croatian Hydrogen Strategy by 2050**

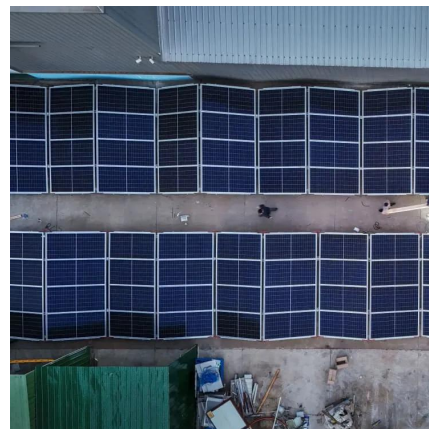
Furthermore, Croatia aims to strategically develop hydrogen infrastructure, which includes the establishment of hydrogen production facilities, storage systems, and refuelling stations, ...

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### **Perspectives of Hydrogen Automotive Applications in Croatia**

Hydrogen technologies and their applications are investigated worldwide, from the aspect of sustainable development, cleaner technologies, energy efficiency and energy savings.

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### **Damir Habijan: "We Don't Have Hydrogen Cars, But Will Build Ten Stations"**

Although not a single hydrogen vehicle has been registered in Croatia, the Minister of Sustainable Development Damir Habijan recently announced the construction of ten hydrogen filling ...

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