

Can Energy Observer build the world's largest liquid hydrogen-powered cargo ship?

Energy Observer's efforts to build the world's largest liquid hydrogen-powered cargo ship are being advanced with the support of the European Union's Innovation Fund. The containership concept known as EO2 was selected from 85 applications to the fund and awarded EUR40 million (US\$42 million) to advance the development of the vessel.

Can liquid hydrogen be used in short-sea shipping?

Its goal is to demonstrate the feasibility of liquid hydrogen in short-sea shipping. Energy Observer started the project in 2022 with the ambition to develop a demonstration ship that would be the world's lowest carbon-emitting cargo ship.

What is the American hydrogen Forum?

The American Hydrogen Forum features a dynamic agenda designed to explore the forefront of hydrogen innovation and its pivotal role in the energy transition. Attendees can expect insightful keynote sessions, in-depth panel discussions on policy and technology, interactive technology showcases, and exclusive networking opportunities.

Can liquid hydrogen be used for maritime transport?

The aim is to demonstrate the technical and economic viability of liquid hydrogen for maritime transport on short segments. They also hope to contribute to consolidating Europe's position as a leader in the energy transition to clean technologies.

Why should you attend a hydrogen Conference?

This event promises to be transformative, delving into the latest advancements, opportunities, and breakthroughs in the global hydrogen sector. Mark your calendars for two days of insightful discussions, visionary presentations, and strategic networking sessions.

What is the most abundant source of hydrogen?

On Earth, the most abundant source of hydrogen is water. Its availability is therefore almost infinite. It is a clean energy: during the electrolysis process that produces hydrogen, the only emissions are oxygen and steam water. It emits neither greenhouse gases nor pollutants when it comes from renewable sources.

Energy Observer uses a mix of solar, wind and hydro-generation. For collecting solar energy she has 141 square metre / 1500 sq ft of solar panels, for the wind there is a revolutionary OceanWings rigid ...

Energy Observer, a source of inspiration and experience for Fountaine Pajot, allowing the development of the first production hydrogen-powered cruising ...

GW of new wind and solar capacity and produce 200,000 tonnes of renewable hydrogen annually. The Logistics Sector remains a cornerstone of Oman's economic development; ...

China's push into green hydrogen will be characterized by strong state-led support for market creation and technology at each stage of the value chain. State-owned enterprises and public-funded R& D ...

As a literal floating test bed of different technologies that includes solar and wind energy capture, hydroelectric generation, and hydrogen fuel cell technology, space is at a premium ...

Energy Observer, through its EOConcept subsidiary, has secured funding from the EU for the development of Energy Observer 2 (EO2), a ...

French project Energy Observer is launching a design of a multipurpose cargo ship fuelled by liquid hydrogen, a technology that allows zero ...

French maritime company Energy Observer, with EU support, is developing a hydrogen-powered container vessel, EO2, to significantly cut carbon emissions. Discover the project ...

Shipping accounts for 3% of global emissions, but the industry is exploring decarbonization technologies, like electric ferries and wind-powered ...

Clearly, hydrogen energy is positioned as a central pillar of the future energy system, with the global green hydrogen movement gaining ...

Energy Observer, formerly a legendary race boat, is embarking on a world round trip using hydrogen as fuel. CMACGM said it would contribute its industrial expertise to this floating lab, in ...

Hydrogen Insights 2024 offers the Hydrogen Council's latest perspective on the industry's evolution. It highlights key trends from the past four ...

Malaysia roadmap for hydrogen and fuel cells provides Government and industry a sustainable energy development model and build competitive global solar, hydrogen and fuel cell industries in Malaysia [3].

Energy Observer has launched (February 10) the design of the most representative ship of the maritime transport industry: a multipurpose cargo ...

Brussels -- Toyota is proud to support the next chapter of the Energy Observer - the laboratory vessel powered solely by a mix of renewable ...

Hydrogen Insights 2024 offers the Hydrogen Council's latest perspective on the industry's evolution. It highlights key trends from the past four years and shares the latest data on ...

This aerial photo taken on Apr 29, 2022 shows solar panels on the Energy Observer, a boat powered by hydrogen and other renewable energy ...

Energy Observer was one of the first vessels to sail on hydrogen and now functions as a floating laboratory capable of testing new energy sources for the shipping industry. "Our partnership deals ...

The vessel is scheduled for commercial operation from 2029 on Europe's Atlantic and Channel coasts. Energy Observer claims that the EO2 ...

The green hydrogen used by Energy Observer is made from seawater using on-board renewable sources of electricity (solar, wind and hydropower). Producing and burning hydrogen does ...

Energy Observer is a vessel powered only by energy that it generates itself, be it the onboard solar panels, wind turbines or a hydrogen fuel cell. It's a floating laboratory, PR stunt and ...

Southeast Asian governments need to ensure that their hydrogen strategy complements, rather than dictates, their low-carbon industrial policy. ...

France's Qair, an independent renewable energy company, and Energy Observer renewed their partnership at the UN Ocean Conference in Nice. Since 2017, Energy Observer has ...

Case Studies: Pioneering Hydrogen-Powered Ships Pioneering vessels that harness hydrogen technology exemplify the maritime industry's transition to sustainable energy sources. ...

A shared challenge: to deploy hydrogen on a large scale in the shipping industry Hydrogen is a limitless energy source that generates up to 4 times more energy than coal, 3 times ...

Hydrogen Insights is the Hydrogen Council's regularly published perspective on the hydrogen industry's evolution. It summarizes the current state of the global hydrogen sector and actual hydrogen ...

During stopovers, Energy Observer recharges its batteries thanks to its solar panels. Once the batteries are full, the solar energy is used to produce hydrogen ...

Although hydrogen fuel cell technology has made significant progress in recent years, issues still exist regarding hydrogen production, ...

An iconic project for maritime transport Energy Observer 2 is a 160-metre-long container ship, designed to

transport up to 1,100 TEU containers ...

Tired of your electrolyzer throwing tantrums on windy days? Discover how BESS Container Green Hydrogen systems act as the ultimate buffer, turning ...

Energy Observer is now tackling the latest technological challenges, such as the integration of large tanks or the management of cryogenic temperatures, thanks to the unfailing ...

Text version for the Hydrogen and Fuel Cell Technologies Office's special webinar to celebrate Earth Day, "A Visit with the Energy Observer Living Laboratory Vessel Powered by Clean ...

Web: <https://lpsolar.co.za>

