

## Hydrogen energy storage bosnia and herzegovina

Held on April 8, 2024, at the INTERA Technology Park in Mostar, this event brought together industry leaders and experts to delve into the role of hydrogen in various sectors.

Under the theme “HYDROGEN (H<sub>2</sub>) from production to application in industry and transport,” the forum provided a comprehensive overview of the hydrogen landscape. Attendees explored critical aspects of hydrogen production, distribution, and utilization, focusing on its applications in the industry and transportation sectors.

One of the highlights of the forum was the presentation of projects such as the solar power plant and hydrogen production in Rama. These initiatives exemplify the integration of renewable energy sources and hydrogen technologies to drive sustainable development and energy independence.

Another noteworthy project that garnered attention was the “Green and Energy Independent City of Vis.” Recognized as a beacon of sustainable urban development, this project showcased how cities can leverage renewable energy solutions and adopt environmentally friendly practices to create greener and more resilient communities.

The III. Mostar Hydrogen Forum underscored the importance of collaboration and knowledge-sharing in advancing hydrogen technologies and addressing global sustainability challenges. By bringing together industry experts, policymakers, and innovators, the forum served as a platform for fostering dialogue, exchanging ideas, and catalyzing collective action towards a more sustainable and hydrogen-powered future.

The H<sub>2</sub> Energy News team remains committed to covering such impactful events and initiatives that are shaping the future of energy and sustainability around the world.

The European Union’s plan to become carbon neutral by 2050 implies large investments in renewable energy sources. Most investments are made in energy from the sun, wind and water, but the problem of storing surplus energy obtained from such sources still remains unsolved.

France and Germany have invested hundreds of millions of euros in the development of liquid hydrogen technology in the last few years, and the future investments they announce, are measured in billions.

Hydrogen is not a source but a carrier of energy, and the one obtained from renewable sources is called green and is becoming very interesting for the European Union market.

Its advantages are multiple, mass use would reduce the dependence on fossil fuels, as well as the emissions of

harmful gases that we release into the atmosphere.

The biggest problem for the profitability of hydrogen was the price and the lack of infrastructure. Climate change has become a priority for the European Union, which adopted a green agenda according to which decarbonization should occur by 2050.

According to the estimate of *Economist* magazine, investments in technologies related to hydrogen in the next 10 years will amount to 500 billion dollars.

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