

Hydrogen NI Group

A new membership group has been launched to support the growth of the clean hydrogen economy in Northern Ireland.

Hydrogen NI has been established to represent organisations with an interest in developing NI's clean hydrogen economy.

The new group said this presents a "unique opportunity" for Northern Ireland to take advantage of its "world-leading levels of renewable electricity", which is mostly produced by wind power, to make clean hydrogen.

It will also create a sustainable use for wind energy produced at times when electricity demand is low.

The launch of the group comes at a "critical time" as Northern Ireland looks to a "post-Covid" green recovery.

Hydrogen NI Committee Member John Palmer, a partner at Shoosmiths, said: "Northern Ireland is uniquely placed to use its high levels of wind energy to create clean hydrogen; and has the skilled workforce required to develop world-leading expertise across all areas of the hydrogen economy."

More info can be found here:

<https://renews.biz/69482/northern-ireland-clean-hydrogen-group-launches/>

The first-ever smart hydrogen cabinet.

The first-ever smart hydrogen cabinet powered by solar panels unveiled by PowerUP Energy Technologies & Alexela Sløvåg AS. Target is small application users including sailing boats, yachts and campervans.

Ivar Kruusenberg Founder and CEO of PowerUP E, said, "Hydrogen has a promising role to play in achieving decarbonisation targets globally. With hydrogen presence in Estonia being fairly limited due to lack of large-scale hydrogen production in the country as well as very few fuel cells implemented in real applications, this smart hydrogen cabinet will be the first step in Estonia's energy transition to the most sought-after clean energy fuel – Hydrogen"

Marti Hääl Executive Vice-President of Alexela, said, "The hydrogen solution presented with PowerUP is an example of how the value chain of hydrogen is actually doable."

More info can be found here:

<https://www.h2-view.com/story/the-first-ever-smart-hydrogen-cabinet-unveiled-in-estonia/>

Danish duo examine hydrogen and grid balancing

Energinet & Danfoss, examine whether a plant that converts electricity to hydrogen can be used to help balance the power grid & whether waste heat from the plant can be utilized for district heating.

Energinet system responsibility senior manager Jesper Abildgaard Nielsen said: "On the one hand, we know that the vast majority of our electricity in the future will be made as the wind blows and the sun shines. On the other hand, we also know that hydrogen plants can become a very large and important part of the energy system of the future as power-to-X. The goal ... is to create a viable path between an electricity system with very fluctuating production, and hydrogen plants that can run or not run when the electricity system needs to turn up or down. We want to create the flexibility that will be absolutely crucial for the green transition and future security of supply."

Danfoss senior vice president of technology Jakob Fredsted said: "It's about business opportunities for Danfoss, but it's also about delivering the green solutions that really mean something to the world."

More info can be found here:

<https://renews.biz/69606/danish-duo-examine-hydrogen-and-grid-balancing/>