

HUGE NEWSFLASH

Hydrogen Utilization & Green Energy

1st October 2020

New Irish Fuel Stations Planned

The *Irish Times* has reported that more than 80 new hydrogen fuel stations are planned for Ireland by 2030.

Hydrogen Mobility Ireland are promoting the idea and want to assess and push forward ideas for rolling out hydrogen fuel solutions for vehicles and public transport in Ireland.

Initially aimed at captive fleets the approach will follow a central hub model for vehicles to be refuelled at a central depot. Private users will also be able to utilise these filling stations.

The article explores some of the advantages of using hydrogen as a fuel source. Some of these include quicker refuelling time and longer distances available compared to electric vehicles.

Although only two hydrogen fuel cars are currently on the market and neither are sold in Ireland, the idea is that providing stations can kick start a hydrogen transport revolution in Ireland.

More info can be found at:
<https://www.irishtimes.com/business/innovation/plan-for-80-hydrogen-fuel-stations-for-ireland-by-2030-1.4026492>

Floating Wind to Hydrogen Plan

Rechargenews has unveiled a story looking at providing hydrogen solutions to heating UK homes via offshore floating wind turbines.

The announcement comes from consultancy ERM on their Dolphyn project, which has partners including Engie and ODE.

The plan is to develop a 2MW prototype for deployment in 2023 with a full scale 10MW version by 2026.

The project is looking at the integration of floating wind platforms and systems needed for the intake, desalination and conversion of water utilising proton exchange membrane technology.

Decarbonising heat in the UK is a major challenge and hydrogen is expected to be a major solution.

Hydrogen production from renewables however needs to be scaled up before trying to achieve the ultimate project aim of 4GW of installed capacity at £12bn, providing green hydrogen to UK homes.

More info can be found at:
<https://www.rechargenews.com/wind/1850034/floating-wind-to-hydrogen-plan-to-heat-millions-of-uk-homes>

New Renewable Fuels Collaboration

Power Engineering International have announced that the Finnish based group Wärtsilä have signed a cooperation agreement with Finnish company Q Power Oy to accelerate the development of renewable fuels.

Wärtsilä is a technology group headquartered in Helsinki and Q Power is an innovative startup looking at biological methanisation technology that produces biomethane from hydrogen and carbon dioxide.

Synthetic methane, along with other synthetic fuels, are important in decarbonising the energy, transportation, and industrial sectors leading to a net zero future.

The collaboration will showcase a mobile demonstration plant between the end of 2020 and the beginning of 2021 with the aim of ramping up to a global scale.

Working with Q Power is a continuation of Wärtsilä's focus on working with start up companies and other energy players.

More info can be found at:
<https://www.powerengineeringint.com/2019/09/27/wartsila-and-q-power-collaborate-to-develop-renewable-fuels/?topic=73085>



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