

HUGE NEWSFLASH

Hydrogen Utilization & Green Energy

July 2020

Hydrogen 'required' to meet UK net-zero goal, says National Grid

Carbon Brief has a long read outlining National Grid's 'future energy scenarios' and the role hydrogen might play in the future of UK net zero ambitions.

The annual 'future energy scenarios' outline four possible futures for the system to 2050. This year three out of the four scenarios have the UK making net zero by 2050.

One scenario relies heavily on green hydrogen and one scenario relies on blue hydrogen. Although both scenarios see high efficiency losses, hydrogen

"could be the solution to many of the hardest parts of the transition to net-zero"

It is clear from the report that the UK is looking to use hydrogen in various roles to decarbonise the energy system and more than one option is being explored.

For more info:

<https://www.carbonbrief.org/in-depth-hydrogen-required-to-meet-uk-net-zero-goal-says-national-grid>

Europe Has Thrust Green Hydrogen Into The Spotlight, But Is It Ready For A Starring Role?

Ben Gallagher, Wood Mackenzie Senior Research Analyst continues analysis for *Forbes* on the European Commission's hydrogen strategy which was released last month.

The article explores the standout milestones including electrolyser capacity and hydrogen production in the various phases of the strategy.

Gallagher then goes onto the examine the strategy against Wood Mackenzie's expectations and finds little difference apart from issues around price completeness and natural gas blending.

The article is largely positive but takes a look at the challenges for deployment to scale. It is suggested that enormous scaling, investment and automation of electrolyser production will be needed almost immediately to see the European Commission's hydrogen strategy play out in the timeframes suggested.

For more info:

<https://www.forbes.com/sites/woodmackenzie/2020/07/29/europe-has-thrust-green-hydrogen-into-the-spotlight-but-is-it-ready-for-a-starring-role/#3f138241185c>

The time is right to power up hydrogen

The Financial Times continues with coverage of the EU hydrogen strategy and is touted as an attempt to mobilise investment by bringing together governments, investors, and corporations.

The FT recognises both the role that green hydrogen could play in a 'green recovery' from the Covid pandemic but also the added renewable capacity that will need to be built alongside the hydrogen production facilities.

The article also covers the harder aspects of a net zero transition and the role hydrogen could play, including long haul transport, domestic heating, and industry such as steel making.

Finishing off the article they recognise past challenges but also the potential for the future.

There have been many false dawns for hydrogen...Ultimately it will need to be up to industry to determine whether hydrogen finally fulfils its promise, but this alliance could prove a start.

For more info:

<https://www.ft.com/content/7d9f2494-62e0-11ea-a6cd-df28cc3c6a68>