

Hydrogen-powered Lego

7,000 students from across Scotland will compete to build the most efficient hydrogen-powered Lego vehicle prototype.

The so-called Scottish School's Hydrogen Challenge is being delivered by Arcola Energy, ITM Power and ScottishPower and aims to engage students in how green hydrogen can help decarbonise transport.

Regional finals are taking place in cities including Aberdeen, Dundee, Stirling and Edinburgh winners from each city will compete in the Grand Final in Glasgow during COP26.

More info can be found here:

https://www.energylivenews.com/2021/09/03/is-hydrogen-future-made-of-bricks/?__cf_chl_jschl_tk__=pmd_5Mf_GYlr93rodq3Llj_R8ul80nwlH7DE1yTXl2rUNbk-1630687029-0-gqNtZGzNAICjcnBszQil

World won't reach 1.5°C climate target without clean hydrogen: Norway's Statkraft

Nordic renewables giant sees 2050 power demand to be met by H2 at close to 10% globally and 20% in Europe.

Statkraft said green hydrogen is essential to tackle climate change and adhere to Paris agreement levels, and will play a significant role in the energy system by 2050.

The cost of electrolyzers to produce green H2 over the last five years has fallen by 60%, and Statkraft presumes this decline will continue due to augmented automation, standardisation, and technology improvements.

"We expect that investment costs for green hydrogen production will fall an additional 60% by 2050. Falling costs of both renewable energy and electrolyzers will make an increasingly attractive business case for green hydrogen," the utility said.

More info can be found here:

<https://www.rechargenews.com/world/world-wont-reach-1-5-c-climate-target-without-clean-hydrogen-norways-statkraft/2-1-1086081>

Make and export 'Hebridean Hydrogen'

Western Isles Council - Comhairle nan Eilean Siar - said its Net Zero Energy Hub at Arnish Point would use wind and wave power in making for producing "green" hydrogen for export across the UK.

The "Hebridean Hydrogen" would be exported via a new deep water port at Stornoway. The development of the fuel project has secured support from the Scottish government and Scottish Futures Trust.

Comhairle leader Roddie Mackay said the local authority had an ambition to decarbonise the islands' local economy and society.

The hydrogen would be used on the Western Isles for heating homes and as fuel for transport, as well as being exported for use by shipping and festivals, according the comhairle.

More info can be found here:

<https://www.bbc.com/news/uk-scotland-highlands-islands-58842567>