

## Hydrogen gives Lego a lift!

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\\_GYIr93rodq3Llj\\_R8ul80nwlH7DE1yTXI2rUNbk-1630687029-0-gqNtZGzNAICjcnBszQil](https://www.energylivenews.com/2021/09/03/is-hydrogen-future-made-of-bricks/?__cf_chl_jschl_tk__=pmd_5Mf_GYIr93rodq3Llj_R8ul80nwlH7DE1yTXI2rUNbk-1630687029-0-gqNtZGzNAICjcnBszQil)

## ITM Motive network of hydrogen stations for trucks and buses in the UK

ITM Motive will build a small network of large hydrogen stations for trucks and buses in north England in a bid to kickstart demand for the market, the ITM Power subsidiary has revealed to H2 View.

ITM recently opened a brand-new hydrogen station at Tyseley Energy Park in Birmingham, which will refuel Birmingham City Council's fleet of 20 hydrogen buses from November. And this is exactly the type of hydrogen station ITM wants to continue building.

Duncan Yellen, Managing Director of ITM Motive, said the network is likely to be from Birmingham up to Leeds and no further west than Liverpool.

"That's where the land is cheap, electricity connections are widely available and there's plenty of haulage market to go at," he told H2 View.

"We do like the cars – and I love driving my hydrogen car – but actually hydrogen, predominantly in the next years, is for trucks and buses.

More info can be found here:

<https://www.h2-view.com/story/exclusive-itm-motive-to-build-a-network-of-hydrogen-stations-for-trucks-and-buses-in-the-uk/>

## Hydrogen at the heart of the global race to net zero

Countries accounting for more than a third of the world's population (2.7 billion people) now have hydrogen strategies in place

The Infrastructure Investment and Jobs Act — passed by the US Senate last month, assigns \$9.5bn of federal cash to the hydrogen sector and spells out an aim to reduce the cost of green H2 to less than \$2/kg by 2026 (from more than \$5/kg today).

UK administration hopes to mirror that as it builds 5GW of "clean" hydrogen capacity — green or blue — by 2030, to be used in industry, transport and heating.

India's National Hydrogen Mission, declaring that green H2 produced from renewables would help the nation make a "quantum leap" to energy independence by 2047.

Russia's "concept" for hydrogen, with an aim of becoming one of the largest exporters of clean H2 to Europe and Asia.

EU mandate for all industrial users of hydrogen to source 50% of their H2 from renewables by 2030 ts long-awaited Fit for 55 package

More info can be found here:

<https://www.rechargenews.com/energy-transition/hydrogen-now-firmly-at-the-heart-of-the-global-race-to-net-zero-for-better-or-worse/2-1-1058073>