



Liquid air energy storage uk

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The world's largest and first commercial liquid air battery facility is planned for Trafford, Greater Manchester, creating over 200 jobs and putting the city at the forefront of the latest green technologies.

Backed by ?10 million of government investment, the revolutionary CryoBattery project will be run by energy storage company Highview and will help the UK make the most of the energy generated from its world-class solar and wind sectors.

This revolutionary new Cryobattery facility will form a key part of our push towards net zero, bringing greater flexibility to Britain's electricity grid and creating green collar jobs in Greater Manchester.

The CryoBattery works by using electricity to cool and compress air, turning it into liquid and storing it in industrial sized containers. It then feeds the liquid through a turbine, turning it back into electricity and pumping it back into the grid when it is needed.

This will give the UK far greater flexibility in helping meet the country's electricity needs from the grid and when up and running could be used to power as many as 200,000 homes for 5 hours a day.

The UK is now home to the world's largest offshore wind farm, and a third of the country's electricity needs are now met from renewable sources. But the unpredictable nature of wind and solar power means that energy can be produced when it is not needed by the grid.

Find out how our mature, proven liquid air to energy technology works: capturing excess renewables, providing long duration storage, generating dependable, clean energy, simultaneously.

Contact us for free full report

Web: <https://www.hollanddutchtours.nl/contact-us/>



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Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

