



Energy storage project in manchester uk





Overview

The University of Manchester is set to head a major UK-wide storage project focused on developing GPStore, an innovative long-duration energy storage system designed to support the nation's shift towards net zero.

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The University of Manchester is set to head a major UK-wide storage project focused on developing GPStore, an innovative long-duration energy storage system designed to support the nation's shift towards net zero. The initiative, led by Professor Yasser Mahmoudi Larimi, has secured a £3 million.

The University of Manchester is to lead a major new research collaboration to develop GPStore, a pioneering long-duration energy storage technology that could play a vital role in supporting the UK's transition to net zero. The project, led by Professor Yasser Mahmoudi Larimi from The University of

Highview Power is creating the largest energy storage facility of its kind, which will store surplus electricity from wind and solar farms. The two-stage Hunterston project is supporting 1,000 jobs on site during construction and 650 jobs in the supply chain. A 300 megawatt hour project at.

London and Manchester, 21 November 2025: Highview, a global leader in long duration energy storage solutions (LDES) today welcomed Andy Burnham, Mayor of Greater Manchester, to the official breaking of ground for its new facility - the world's largest commercial-scale liquid air energy storage.

Liquid air energy storage firm Highview Power has raised £300 million (US\$384 million) from the UK Infrastructure Bank (UKIB) and utility Centrica to immediately start building its first large-scale project. The funding will enable Highview to launch construction on a 50MW/300MWh long-duration.

The University of Manchester has been awarded a £3 million grant to lead an ambitious new project to advance long-duration energy storage. With the UK's energy system transforming rapidly towards renewables, the ability to store power



for use when the sun isn't shining and the wind isn't blowing is.



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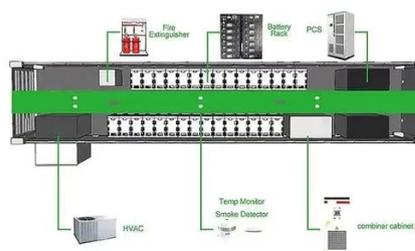


[Construction of 250MWh liquid air 'CRYOBattery' ...](#)

Construction work has begun on Technology provider Highview Power's 50MW / 250MWh liquid air energy storage (LAES) ...

[From Coal to Clean: Pulse Clean Energy Powers Up 30MW Battery Storage](#)

Pulse Clean Energy has announced the commissioning of its 30MW / 67MWh battery energy storage system (BESS) at Coal Pit, a site once used for coal mining but now ...



[Energy storage innovation powers Highview scale-up - UKRI](#)

Highview Power is creating the largest energy storage facility of its kind, which will store surplus electricity from wind and solar farms. The two-stage Hunterston project is ...

[Highview bags £300m for large-scale liquid air energy storage unit](#)

The funding will enable Highview to launch construction on a 50MW/300MWh long-duration energy storage (LDES) project in Carrington, Manchester, using its proprietary liquid ...



[INOX India Wins Landmark Contract from Highview Power for ...](#)

Highview Power is constructing the world's first commercial scale LAES long duration energy storage facility in Carrington, Manchester, using its proprietary technology. ...



[Mayor of Greater Manchester Andy Burnham officially breaks ...](#)

Highview's liquid air energy storage system captures excess renewable energy when demand is low, and stores it as liquid air, for hours, days, or even weeks. When it is ...



[Pulse Clean Energy \(30MW Battery Energy Storage Solutions Project ...](#)

Information on acquisition, funding, investors, and executives for Pulse Clean Energy (30MW Battery Energy Storage Solutions Project in Manchester, UK). Use the PitchBook Platform to ...



[Greater Manchester: £300m energy storage plant ...](#)



Work has begun on a £300m energy plant which will store surplus electricity from wind and solar farms in the form of liquid air. The ...



[Pulse Clean Energy brings live 42-MW battery in ...](#)

Pulse Clean Energy, a UK energy storage and grid stability specialist backed by Investment Management Corporation of Ontario ...

[UK Energy Storage: The Systems Powering Britain's Green Future](#)

By 2050: Achieve 20 GW of long-duration energy storage, supporting a 100% clean power grid. A Multi-Technology approach to Energy Resilience From the caverns of Teesside and the ...



[Manchester leads £3m GPStore storage project](#)

The University of Manchester is set to head a major UK-wide storage project focused on developing GPStore, an innovative long-duration energy storage system designed ...



[University of Manchester to lead £3m project to transform long ...](#)



The University of Manchester is to lead a major new research collaboration to develop GPStore, a pioneering long-duration energy storage technology that could play a vital role in supporting ...



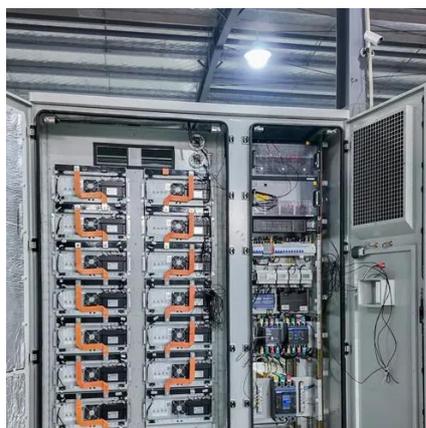
[Energy . Research beacons . The University of Manchester](#)

From energy transport to nuclear, The University of Manchester's research is transforming the systems that bring energy to our ...



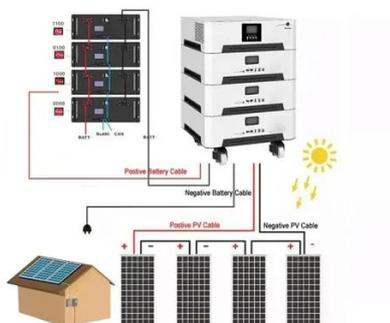
[World's Largest Battery Energy Storage Site Gets Permit in UK](#)

Carlton Power Ltd is currently in "advanced talks" with companies to finance, build and operate a £750 million (\$962 million) battery energy storage project in the UK set to be the ...



[Greater Manchester: £300m energy storage plant to create 700 ...](#)

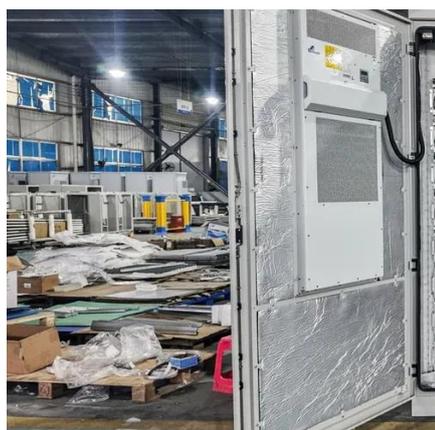
Work has begun on a £300m energy plant which will store surplus electricity from wind and solar farms in the form of liquid air. The facility at Carrington near Manchester, ...



[Construction to Begin on World's Largest Liquid-Air Energy Storage Project](#)



Construction is underway on a 50 MW liquid-air energy storage facility - with a minimum of 250MWh - located in Greater Manchester, UK. Once complete, the ...



Development of the UK's Energy Storage Industry: Current ...

The Optimal Point for UK Energy Storage: 200-500 MW The battery storage capacity in the UK has significantly increased, evolving from under 50 MW a few years ago to today's ...

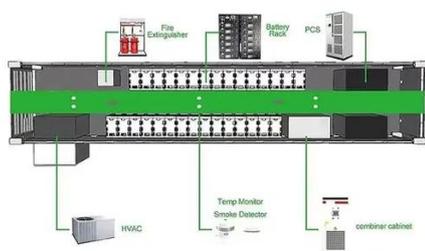
Liquid air energy storage plant to create 700 jobs

The facility has been described as the UK's first commercial scale liquid air energy storage plant, and could have the capacity to ...



Manchester leads push to transform long duration energy storage

The University of Manchester is leading a new £3 million research collaboration to develop GPStore, a long duration energy storage technology designed to support the UK's ...



Liquid air energy storage plant to create 700 jobs



Work has begun on a £300m energy plant which will store surplus electricity from wind and solar farms in the form of liquid air. The ...



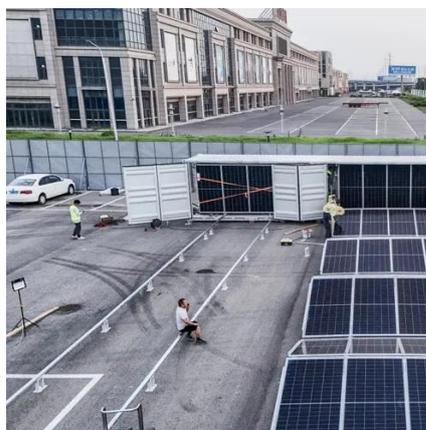
[Pulse Clean Energy activates 30MW battery storage project in ...](#)

Pulse Clean Energy today announces that its 30MW / 67MWh battery energy storage system (BESS), located in Atherton, West of Manchester, is now operational.



[How Manchester's £3m Energy Storage Project Could Power a Greener UK](#)

In this article, we explain why long-duration energy storage is crucial for the UK's transition, how the new Manchester project could help, and what it means for both the industry ...



[Pulse Clean Energy Activates 42 MW Battery Storage Project in ...](#)

Pulse Clean Energy has announced that its latest 42 MW/100 MWh battery energy storage system (BESS), located in Hyde, West of Manchester, is now operational. The Hyde ...



[Pulse Clean Energy activates 42MW battery ...](#)



Pulse Clean Energy has announced that its latest 42 MW / 100 MWh battery energy storage system (BESS), located in Hyde, West ...





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