HyNet North West

HyNet North West is an exciting new hydrogen and carbon capture project in North West England and North Wales. It is paving the way for a more sustainable future that will contribute significantly to regional and national 'net zero' targets, while creating and protecting local jobs. Hydrogen production, which is at the heart of HyNet, will be key to delivering clean energy for UK industry.

HyNet North West
Contributing to the hydrogen economy

The North West of England and North Wales are the ideal locations to grow the UK's hydrogen economy. Establishing a hydrogen network will boost local industries while reducing carbon dioxide (CO_2) emissions. It will help establish the UK as a leader for clean industrial innovation.

The North West has the most manufacturing jobs of any UK region, employing 345,000 people in 2019. HyNet will serve to protect existing high skilled manufacturing jobs, as well as create thousands more new exciting and long-term opportunities.

HyNet has the potential to decarbonise one of the UK's largest clusters of industrial sites. The area around HyNet includes a high concentration of energy intensive manufacturers, covering a variety of industries: from chemicals, glass and oil refining to food, paper and automotive.

HyNet will help to secure the future of these sites by enabling their decarbonisation either via use of low carbon hydrogen as a fuel or via direct capture of CO_2. This will make both the North West of England and North Wales more attractive places to invest in industry and jobs.

Enabling hydrogen in the North West will allow local industries to remain viable by keeping carbon emissions low.

Investing in hydrogen could unlock £18bn in GVA (Gross Value Added – the measure of value from goods and services within an area) by 2035 and support 75,000 additional jobs in the UK.

In 2030, around 30 TWh (terawatt hour - a measure of energy) per year of hydrogen will be supplied by HyNet as energy to heat buildings, and to fuel transport, power generation and industry.

HyNet will reduce carbon dioxide (CO_2) emissions by around 10 million tonnes of carbon per year by 2030, equivalent to taking 4 million cars off the road.