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INDUSTRIAL DECARBONISATION AND CLEAN GROWTH: A ROADMAP FOR THE NORTH WEST HYDROGEN ECONOMY

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CHESTER



DELIVERING THE
HYDROGEN
ECONOMY

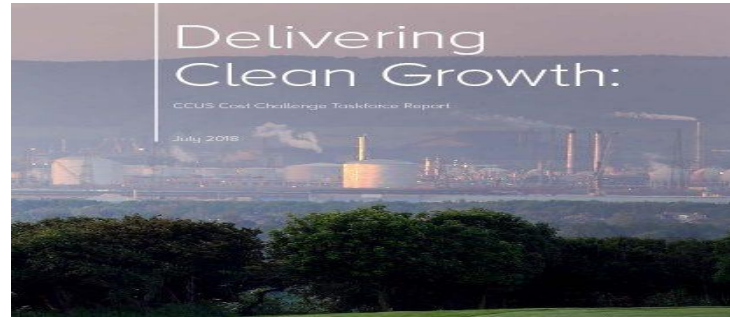
North West

Industrial Decarbonisation and Clean Growth: A roadmap for the NW Hydrogen Economy



DESIGNING THE INDUSTRIAL ENERGY TRANSFORMATION FUND

Informal consultation
Closing date: 31 May 2019



GRAND CHALLENGE
What is the Industrial Clusters mission?

Our aim is to create a net-zero carbon industrial cluster by 2040. We want to attract innovators, investors and problem solvers to create a low-carbon exemplar that others in the UK and internationally can learn from and replicate.

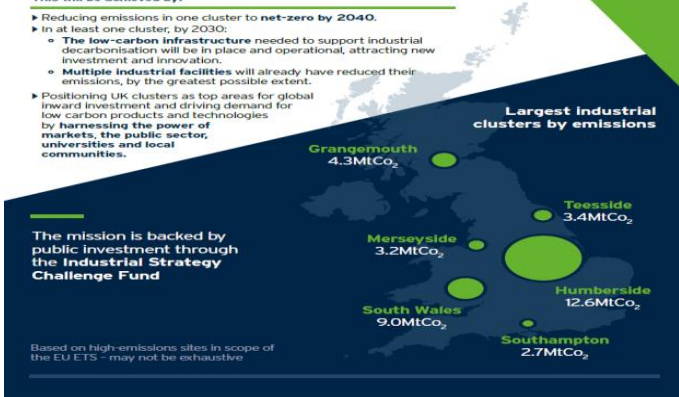
"We will establish the world's first net-zero carbon industrial cluster by 2040 and at least one low-carbon cluster by 2030"

This will be achieved by:

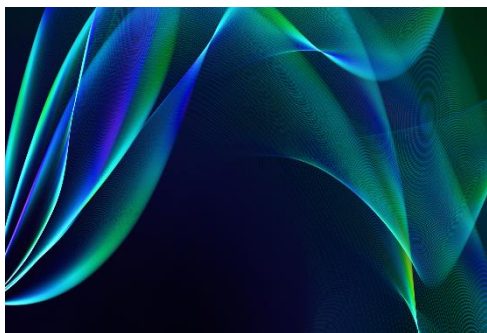
- Reducing emissions in one cluster to **net-zero by 2040**.
- In at least one cluster, by 2030:
 - The **low-carbon infrastructure** needed to support industrial decarbonisation will be in place and operational, attracting new investment and innovation.
 - Multiple industrial facilities** will already have reduced their emissions, by the greatest possible extent.
- Positioning UK clusters as top areas for global inward investment and driving demand for low carbon products and technologies by **harnessing the power of markets, the public sector, universities and local communities.**

The mission is backed by public investment through the Industrial Strategy Challenge Fund

Based on high-emissions sites in scope of the EU ETS – may not be exhaustive





Department for Business, Energy & Industrial Strategy



Carbon capture usage and storage: third time lucky?

CCUS can play crucial role in supporting regional growth and helping meet climate change targets



House of Commons Business, Energy and Industrial Strategy Committee

Where Academia & Industry come together

Maximising the further development of the
Hydrogen economy in the North West...

Skills, Innovation and Clean Growth.



Thornton Science Park, University of Chester

- One of Europe's largest active industrial landscapes
- One of the UK's newest, most dynamic Science and Engineering Faculties
- Strong and ambitious cohort of exciting, innovation-centric enterprises
- Supported by impressive industrial regional business community
- Connected nationally and internationally to government, business and academia
- Rapidly becoming the exemplar in how industry and University can thrive together to the benefit of students, industry and the national economy



Research

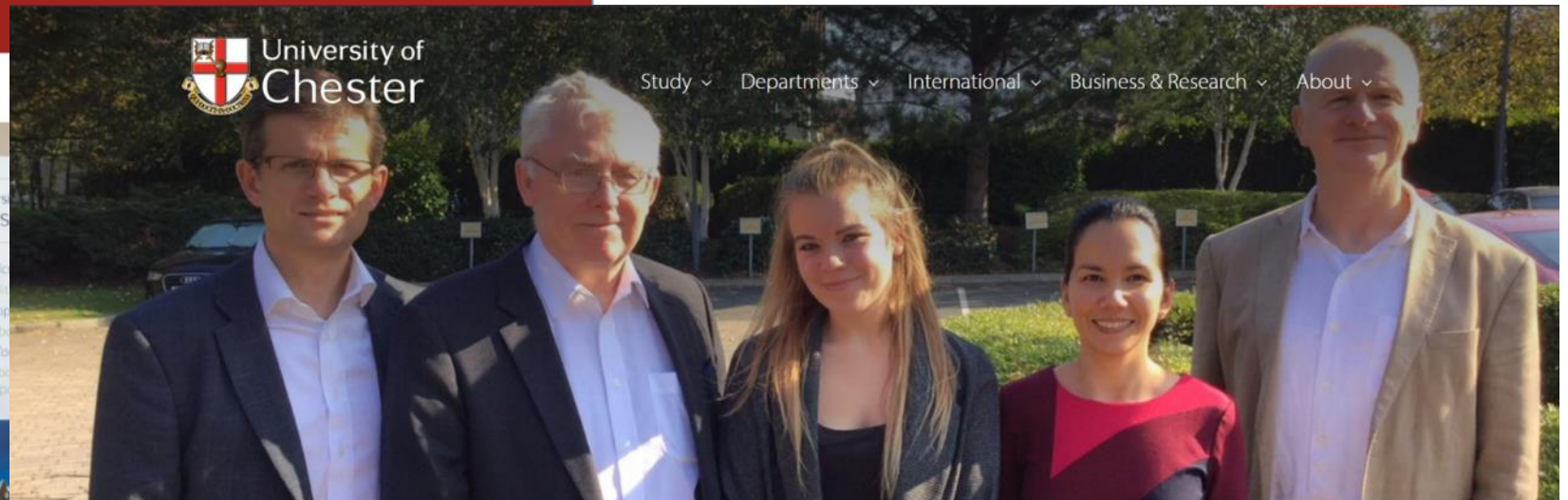
Government's Chief Scientific Adviser visits Thornton Science Park.

One of the Government's Chief Scientific Advisers recently paid a visit to the University of Chester's Thornton Science Park, to find out more about the North West's bid to be the UK's primary hydrogen economy, and about the University's progressive work investigating the clean energy potential of hydrogen.

- Hydrogen Economy
- Fuel Cell Laboratories
- HyNet
- Trading Platforms
- Energy Management Systems

Home > Government's Chief Scientific Adviser visits Thornton Science Park.

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Chemical Engineering student leads the way in hydrogen research

POSTED ON
November 20, 2018

A University of Chester Chemical Engineering student, who has just graduated with a first class honours degree, has already secured a ground-breaking energy research opportunity.



The Energy Centre at Thornton

Delivering affordable energy and clean growth

A state of the art facility designed to promote growth and acceleration in the development and exploitation of technologies for the energy market.



Thornton Science Park to Protos



NORTH WEST Place 7 May 2019

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Peel's Protos site

Peel lines up plastics recycler for Protos

25 Apr 2019, 15:06

Recycling company Advanced Sustainable Developments is in talks with Peel Environmental as it seeks to open its first UK site at the Protos energy park in Ellesmere Port.

ASD is looking to set up special purpose vehicles in different territories to develop recycling facilities. The business has said that it will open a facility in Abu



North West Hydrogen Alliance

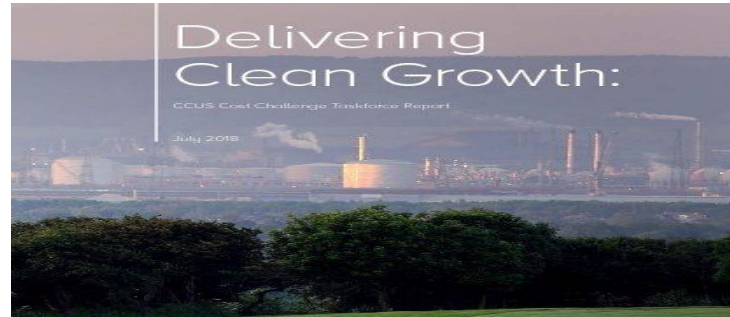


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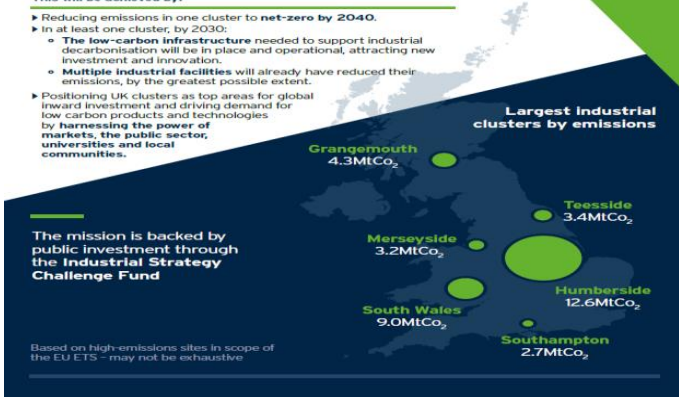
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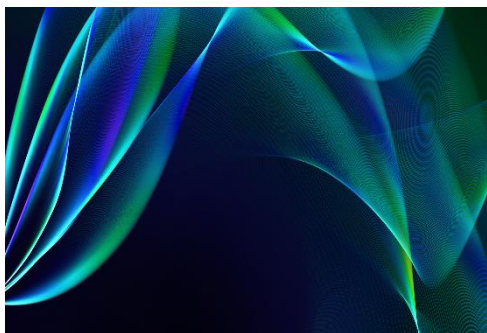
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