

The NW Cluster: Establishing the Domestic Base for Hydrogen:

Leadership, skills and job creation: opportunities for regional growth

<https://vimeo.com/560384154>

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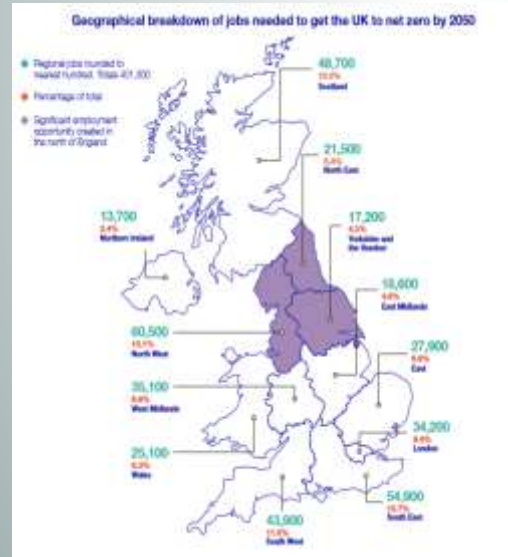
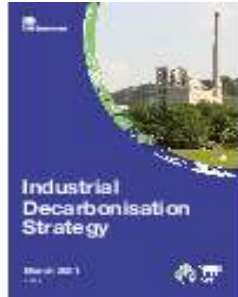
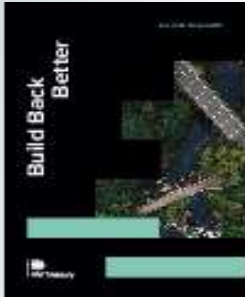
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Skills and Capacity Development



Offshore wind:	60,000
Low carbon hydrogen:	8,000
Nuclear:	10,000+
Zero Emission Vehicles:	40,000
Public Transport:	3,000
Aerospace:	5,200
Buildings:	50,000
CCUS:	50,000
Natural Environment:	20,000

Green Skills Taskforce (2021)



92% of CEOs believe integration of sustainability is crucial to success

48% of CEOs are actually integrating sustainability into their operations

Purpose-driven belief that business is not a commercial activity **divorced from wider societal and environmental context** in which it operates.

A United Nations Global Compact-Russell Reynolds Associates study of the characteristics of sustainable business leaders (2020)

ID Skills development: Example Projects



Economic Impact, Skills and Workforce Plan Integration with IDRIC and Cluster Plan



- Sector Development
- Supply Chain Capacity
- National Workforce Planning



Skills Requirements and Provision Mapping



Our best assets



- c. 15,000 students
 - 18,000 volunteering hours
- c. 1700 staff
- Chester, Warrington, Shrewsbury, Thornton Science Park, Birkenhead, Nantwich
- Economic contribution (GVA) £410m in 2017/18 which is equivalent to 5900 jobs.

Skills Development

- What do we need from the skills delivery system?
- Challenges to Net Zero Skills Delivery
 - Volume, Training, Funding...
- Emerging Skills Gaps
 - Carbon Capture, Hydrogen, Energy Efficiency, Energy Efficiency, General Technical, Leadership + Management
- Questions and Questions?



Building Net Zero Capacity: A Shared Sense of Purpose

Sustainable mindset

societal, environmental

Creating **impact**

celebrating our 400th SME
and 350th entrepreneur

Widening our **network**

different types of mentoring

Knowledge **exchange** and
research

Real life challenges and
solutions

Your workforce of the **future**

apprenticeships, skills and
competences