

Additional Secondary Materials

Each day during #NCW2018 we are focussing on themes which incorporate the major growth areas in the UK's Energy Estuary, showcasing the vast and varied career opportunities across the Humber region. Watch #whereitbegins at vimeo.com/bondholders to find out what it's like to live, work and study in the region.

If you haven't already, make sure to download the Secondary Competition Pack at nationalcareersweek.com

Energy and Environment

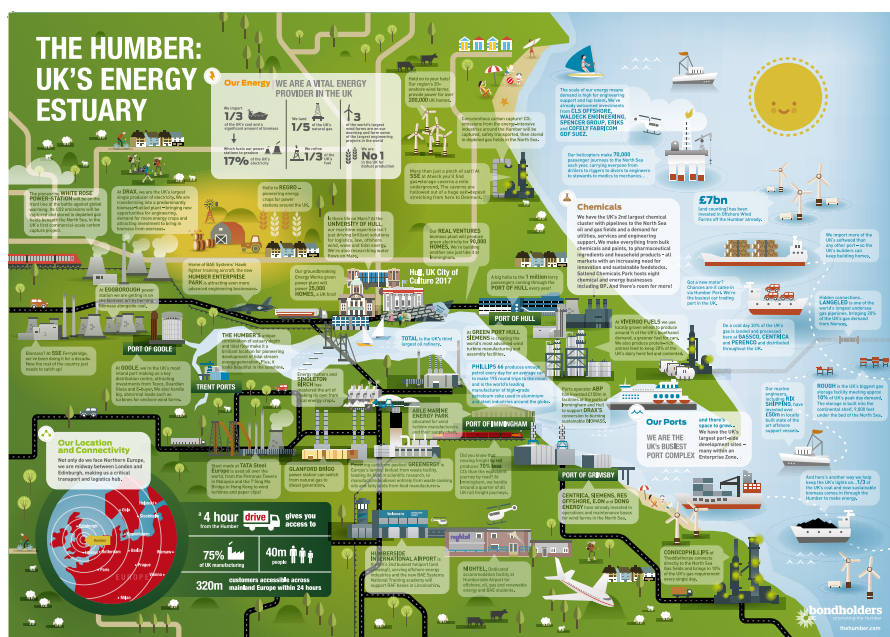
The Humber, the UK's Energy Estuary is leading the UK renewables sector with a collective of over £300million being invested through Siemens Gamesa Renewable Energy, ABP and the development of Greenport Hull.

The Humber has brought power to the UK for decades in the form of coal, oil and gas. Today, we're building on our credentials in chemicals, offshore and marine engineering, energy infrastructure and the opportunity to exploit our agricultural land, to capitalise on the global demand for renewable sources of energy.

North East Lincolnshire has emerged as a key player in the renewable energy revolution with potential to become the UK capital of the offshore wind industry. Several of the largest players in offshore wind, including Ørsted Centrica, Siemens and E-on, have chosen to base their O&M (operations & maintenance) teams in Grimsby.

Expertise in all aspects of energy production, storage and handling continues to develop within the Humber, not only in industry developments but also at the University of Hull where energy is a key academic and research theme.

Very significant growth is expected in this sector which will continue to significantly enhance the economy of the Humber. There is a thirst for fresh talent and new energy to secure the legacy of the region.



Energy is in the Humber's DNA – 1/3 of the UK's Coal and a significant tonnage of Biomass comes in through the Humber ports. It's a Green Manufacturing Centre of Excellence. Dozens of energy producers, refiners and importers are based in the Humber Estuary – the future is looking bright and full of energy!

Challenge Considerations

In thinking about the features and aspects of your Upcycled Container Project, the Energy Estuary and associated technologies and considerations will be crucial. Here are some elements to consider:

1. Could your container be used as a portable or moveable recycling facility? As well as a place to collect recyclable materials, could the design include the technology to allow card, plastics, wood to be recycled INSIDE the container.
2. Energy is a crucial resource for anyone and fuel poverty is a growing issue (with the cost of traditional fuels rising as a percentage of a household's annual income) so could your container design be used as an additional 'top up' fuel source for families? Maybe holding house coal stores, kindling wood or logs for people to buy at a discounted / subsidized rate OR even as a free source of firewood for rough-sleepers or the homeless? (How about a social-enterprise where homeless people could work to recycle materials and be paid in food or heating wood?)
3. Whatever your upcycled container design is used for, what power sources could be used and how do you connect them? Could solar or wind technology be used as an integrated method of powering your unit(s)?

Try and build these ideas into the development of your Upcycled Container and watch out for other daily competition ideas and challenges!

The University of Hull is a centre of excellence for Energy and Environment – have a look at this page which collates the research and course expertise into one place:

hull.ac.uk/Special/Delve-Deeper.aspx

There is a huge range of courses available in Supply Chain Management at the University of Hull – here:

hull.ac.uk/Faculties/subjects/environmental-science.aspx

Information on University Life, funding and what being a students in Hull is like, view the new prospectus here:

hull.ac.uk/Study/Prospectuses-and-brochures/docs/UG/prospectus-2019-WEB-v3.pdf

