



Innovation
Centre

WELCOME TO THE AURA INNOVATION CENTRE

ACCELERATE. INNOVATE. COLLABORATE.

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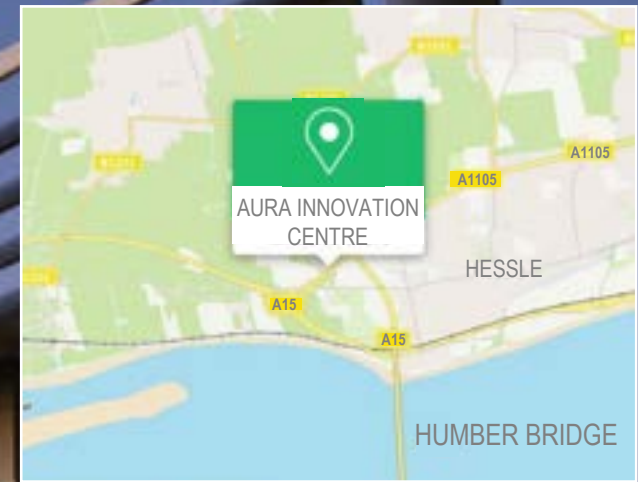


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ACCELERATE. INNOVATE. COLLABORATE.



DELIVERING A NUMBER OF MAJOR BENEFITS FOR THE UNIVERSITY:

- Increase revenue to the University through research projects and use of research facilities.
- Build strong, lucrative and long lasting business relationships offering further research opportunities, KTP and other services the University can offer.
- An enhanced student offer with industrial placements and enhanced career prospects through Aura's strong industry links in the offshore wind and low carbon energy sectors.

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£12M funded Aura Innovation Centre



250 SMEs engaged through the Aura Innovation Centre



40 low carbon projects in the pipeline with the Aura Innovation Centre

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WHERE GREAT MINDS MEET AND COLLABORATE

We can help your business test new products and materials, and conduct a range of experiments to test your innovation.

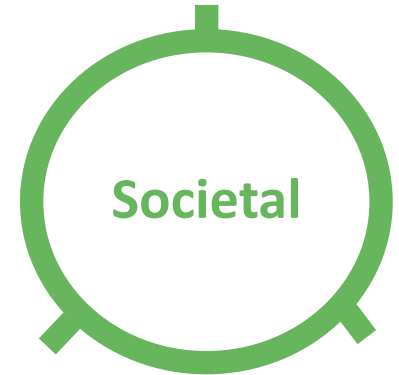
ACCELERATE. INNOVATE. COLLABORATE.

OFFICIAL
Materials
Characterisation
Services



Renewable Technologies Research & Enterprise

Business
Sustainability



Community Environmental

Material
Manufacture



Rapid Prototyping Product Development

Business
Development



Simulation High Performance Computing

OFFICIAL



AGRICULTURE & URBAN FARMING



CARBON REDUCTION

LOW-CARBON INNOVATION CAN HAPPEN IN ANY BUSINESS



PLASTIC RECYCLING & BREAKDOWN



WASTE MANAGEMENT



WORK WITH US

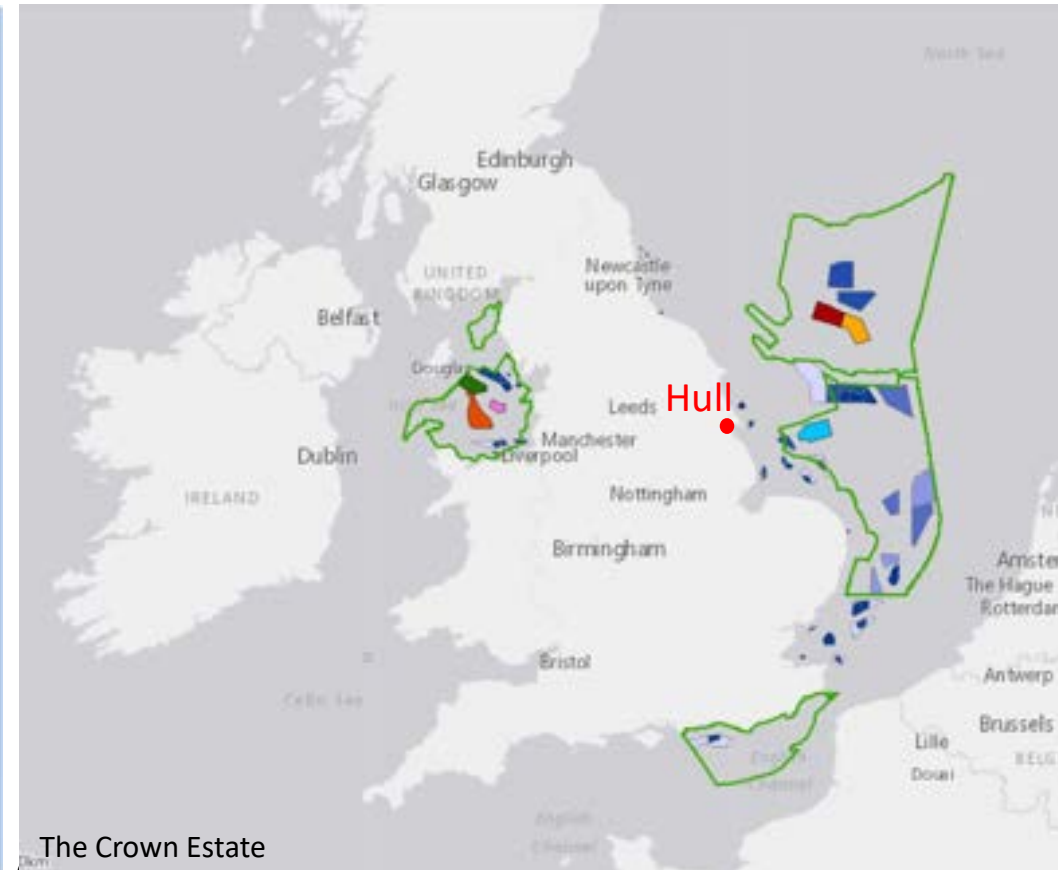
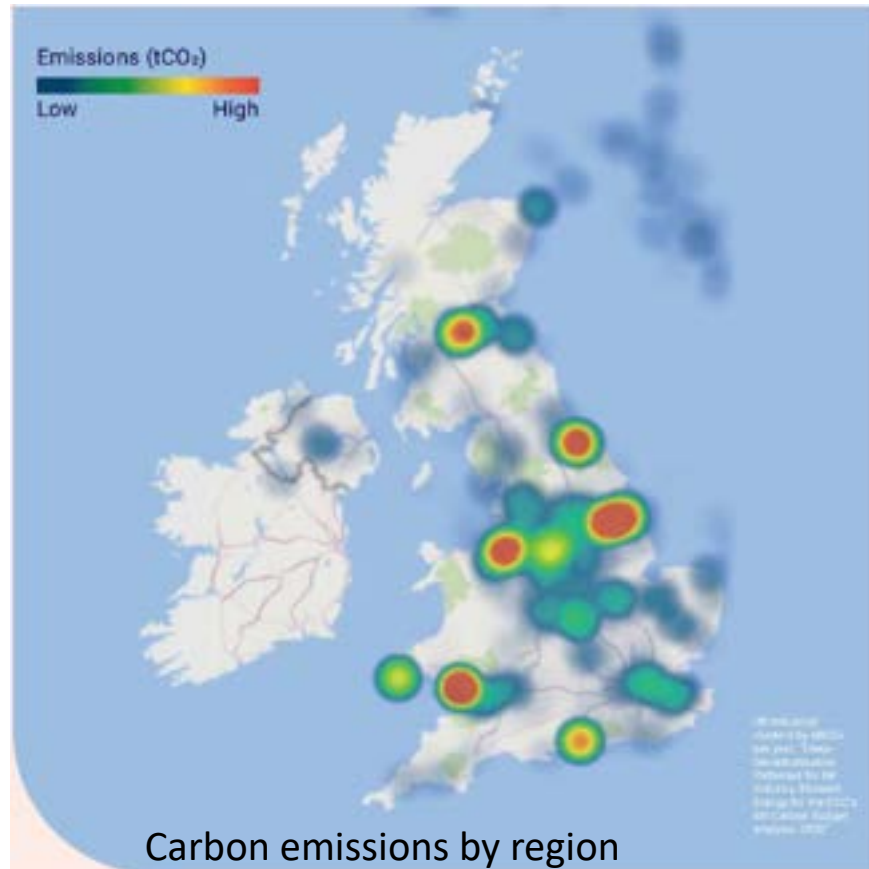
No matter what stage your innovation is at, we can work with you at any stage of the innovation process.



ACCELERATE. INNOVATE. COLLABORATE.

University of Hull – Centre for Offshore Wind and Decarbonisation

- The UK has the largest deployment of offshore wind and is committed to rapid growth (10GW -> 50GW by 2030)
- The Humber is at the centre of current and planned offshore wind developments
- It is also the largest CO₂ emitter in the UK
- The largest UK manufacturing facility is Siemens Gamesa's blade factory in Hull
- Ørsted have their East Coast Hub in Grimsby



Partnership & Collaboration

AURA:

A catalyst for collaboration in offshore wind and low carbon.



OFFICIAL

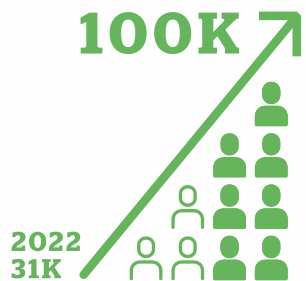


Evolving offshore wind context



Current OSW Energy

Green power generation 10GW - increasing to 50GW by 2030



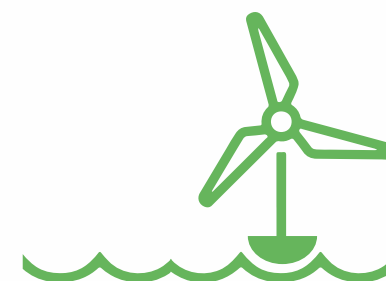
100,000 jobs by 2030

Sustainable growth from 2022 31k workforce
Multi-skilled workforce



New environments

Co-location and co-existence
Environmental sustainability and consenting



Sustainable technologies

Industrialisation
Circular economy

Aura CDT in Offshore Wind Energy and the Environment

Unique dual focus on engineering and environmental challenges
Developed with stakeholders to serve industry needs:



Physics and
Engineering of
the offshore
environment



Environmental
impact, marine
biology and
aquaculture



Next generation
materials and
manufacturing



Operations,
maintenance
and human
factors

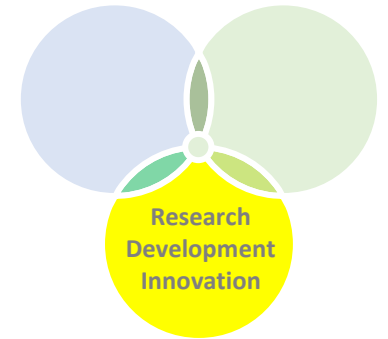


Offshore
wind energy
integration

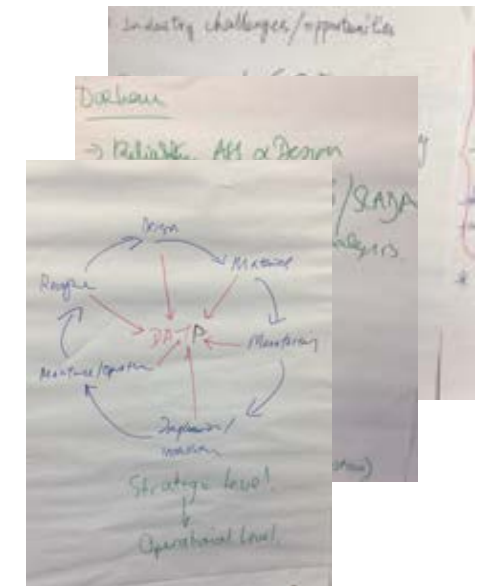


Big data,
sensors and
digitalisation

RDI Focus Areas: 'Problems worth solving by us'



Next Generation Blade Design and Manufacture	Whole Life Supply Chain Modelling	Marine Data
Materials, Coatings and Surfaces	Operations, Maintenance, Logistics and Risk	Environmental Interactions and Sea Bed
Generators and Converters	Management of Assets	Added Value including Aquaculture



TEACHING EXCELLENCE

**Our teaching is worth its
weight in gold**

Hull is **rated Gold in the Teaching Excellence Framework (TEF) 2023**.
The highest possible ranking for teaching quality and student success.



NEWS • 15 AUGUST 2023

University of Hull celebrates top 20 result in UK, as National Student Survey results revealed

The University of Hull has seen impressive results from the National Student Survey (NSS 2023) and is ranked in the top 20 in the UK in the Times Higher Education's 'Overall Positivity' measure.

NEWS • 12 MAY 2022

University of Hull hits research high - as one of highest risers in UK

The University of Hull is one of the highest risers in the UK and the highest riser in Yorkshire for research excellence - according to new rankings from Times Higher Education (THE) published today.

The University's world-leading research has been recognised in the results of the long-awaited Research Excellence Framework (REF 2021) - the UK's system for assessing the excellence of research in Higher Education.

The University of Hull is one of the highest risers nationally. Among Yorkshire's universities, Hull is the highest riser and now in the top 4 - with the universities of York, Leeds and Sheffield taking the top 3 spots (REF 2021).

The results, as reported by THE, rank the University of Hull as 55 (joint) out of 157 institutions - and mark another significant success for the University as it moves up the rankings.

The University is one of the highest climbers - increasing its overall ranking by 17 places from 72 (REF 2014) to 55 (joint). For research impact, the University has climbed 23 places to 42 (from joint 65th in 2014).

University of Hull named in top global 100 for Impact



The University of Hull has been named in the world's top 100 in the Times Higher Education (THE) Impact Rankings, released today (Wednesday, 27 April 2022).