

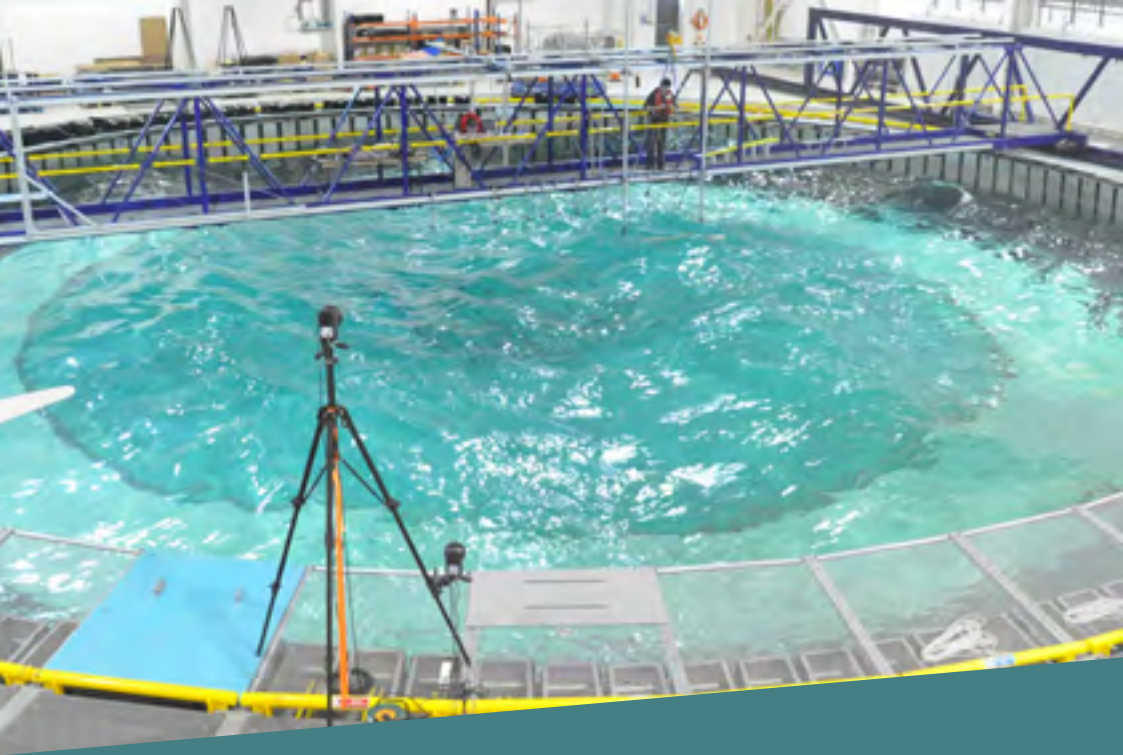
# IDCORE RESEARCH PROGRAMME

Sponsor world-class research and gain competitive advantage

Host a dedicated research engineer for a three year in-depth project of your choice that addresses technical challenges in the offshore renewable energy sector.

[www.idcore.ac.uk](http://www.idcore.ac.uk)





## About IDCORE

The EPSRC and NERC Industrial Centre for Doctoral Training for Offshore Renewable Energy (IDCORE)\* programme addresses future challenges to develop leading technologies and train world-class scientists and engineers essential for the UK to sustain its global status in the Ocean Renewable Energy (ORE) sector. This engineering doctorate programme is a collaborative partnership between the University of Edinburgh, University of Exeter, Strathclyde University and the Scottish Association for Marine Science (SAMS).

IDCORE provides companies in the offshore energy industry with access to world-leading academic expertise, addresses important technical challenges and helps develop the next generation of industry leaders in offshore renewable energy. Following a year of focused technical and financial ORE teaching at university, researchers are then matched with a company for a three-year research placement.

In 2021 the success of IDCORE was recognised by the Industry winning the Contributions to Skills Award at the Scottish Renewables, Green Energy Award."

## Benefits

- Significant leverage on research investment
- Involvement in research engineer recruitment and training
- High quality researchers dedicated to your organisation
- Participation in IDCORE activities such as the Interdisciplinary Group Project and the annual assembly/company day
- Added value through interaction with other IDCORE research engineers and their sponsors
- Opportunity to coordinate research efforts across the sector
- Collaboration with leading academic researchers and institutions
- Access to world class research facilities
- A high profile national programme

It should be noted that any Intellectual Property developed through the project will be assigned to the company and all projects will be covered by non-disclosure agreements (NDAs).

\* Grant EP/S023933/1



*The level of commitment and technical calibre displayed by the IDCORE research engineers/graduates is exceptional. We could not have anticipated the contribution that IDCORE would bring to the development of services offered by JBA.*

*The IDCORE research engineers/graduates provide unique and innovative 'conception to completion' coastal, fluvial and maritime engineering design services and help clients minimise risks.*

*The cost to JBA for each IDCORE research engineer represents superb value. Both are high calibre resources who act as integrated members of staff."*

Dr Mark Lawless, IDCORE Industrial Supervisor  
JBA Consulting



*I have thoroughly enjoyed and benefited from the collaborative nature of this EngD programme. Having the support of expert academic staff alongside the industrial partners has put us in a good place to tackle complex technological problems.*

*Working closely with the industry partner means the research work remains relevant, it is good to feel that we are directly contributing to the progress of this very important industry."*

Alyona Naberezhnykh  
IDCORE EngD Student EMEC & Orbital Marine Power  
Tidal Channel Turbulence and How it Impacts Device Loads

## Industry-led research project

Each industrial research project is proposed and directed by the individual sponsoring company and each of the programme's research engineers are further supported by a panel of academic supervisors with expertise in the field. Projects can focus on any aspect of offshore renewable energy and should aim to make an original contribution to the company's activities and practices or to knowledge in general.

Consortia (multi-sponsor) projects are also encouraged to enable research topics of wide interest to be addressed. Proposals are expected to fit with the vision of IDCORE as well as with the needs of the industrial sponsor.

Previous students have worked on research projects with sponsors such as Berwick Bank Offshore Wind Farm, EDF, EMEC, Frazer-Nash Consultancy, Innosea Xodus, Mainstream Renewable Power, Mocean Energy, Nova Innovation, Offshore Renewable Energy Catapult, Orbital Marine, Scottish Power Energy Network, Sustainable Marine Energy and Wood.

## How to get involved

Industry partners can gain access to the IDCORE programme by proposing a three-year research project based on specific technology and research challenges. Successful companies are then invited to sponsor an Engineering Doctorate student to work on the project and host the EngD student for a three-year research project period, (after a year spent in the host academic institution) in order to provide experience of working in an industrial environment. The programme is designed to produce graduates who have a sound understanding of the business implications of industrial research activity. The Engineering Doctorate students will be matched through an interactive interview process, so that companies are paired with students who have interest in their project.



## What next?

We are currently looking for companies who are interested in projects starting in June 2023. Research engineers will be matched with the projects in February 2023 and they will begin working for their sponsoring companies in June 2023.

The sponsored research engineers will remain placed with the companies until August 2026, working full-time on either a single research project or on several linked projects.

The IDCORE programme provides industry partners the opportunity to sponsor a dedicated research engineer for £15,000 a year for three years.

### PROJECT DEADLINE:

<b>13 January 2023</b>	<b>Deadline for submitting project outlines</b>
<b>23-24 February 2023</b>	<b>Researcher and Companies Matching event</b>
<b>5 June 2023</b>	<b>Projects start date</b>

### TO DISCUSS OPPORTUNITIES:

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Courtesy of Mocean Energy

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