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OFFSHORE RENEWABLE ENERGY DRIVING INNOVATION AND CREATING THE INDUSTRY LEADERS OF TOMORROW

EPSRC

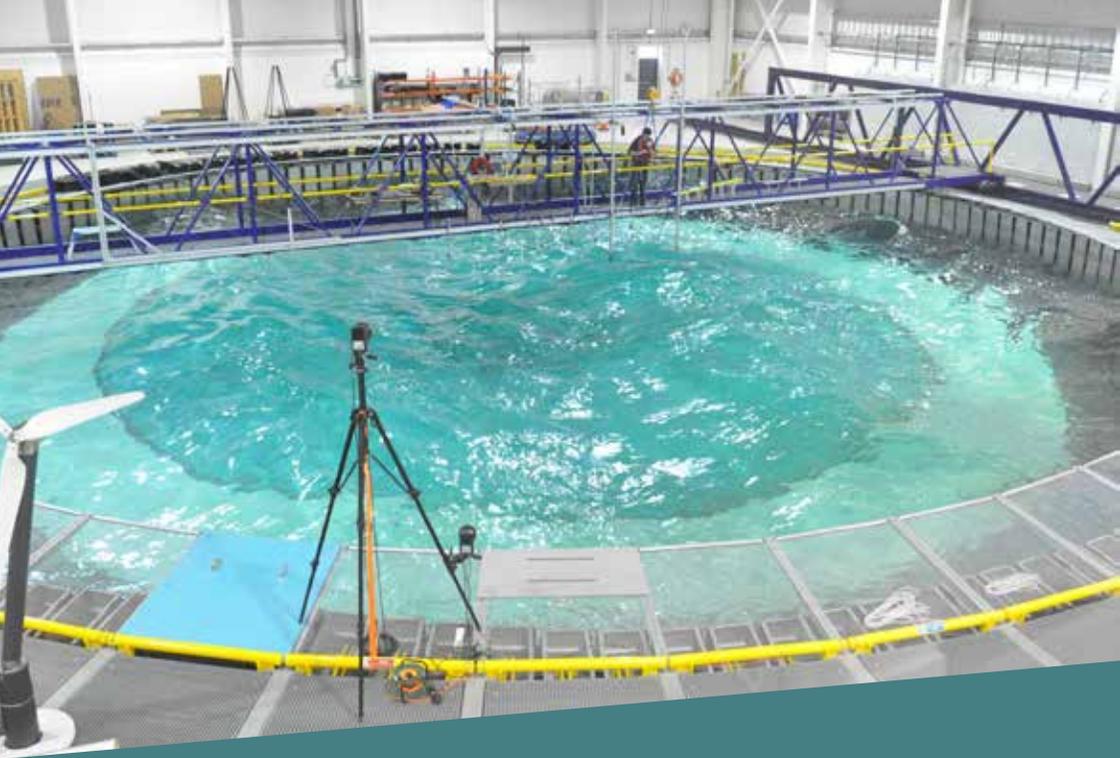
Engineering and Physical Sciences
Research Council



EPSRC & NERC Industrial CDT
for Offshore Renewable Energy | www.idcore.ac.uk

NERC

SCIENCE OF THE
ENVIRONMENT



About IDCORE

The EPSRC and NERC Industrial CDT 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 ORE sector. This programme is a collaborative partnership between the University of Edinburgh, University of Exeter, Strathclyde University and the Scottish Association for Marine Science (SAMS).

IDCORE's four year student research and training programmes provide companies in the offshore energy industry with access to world-leading academic expertise, address important technical challenges and help develop the next generation of industry leaders in offshore renewable energy.

Company 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 confidentiality agreements (NDA).

“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

* Grant EP/S023933/1

“I’ve gained a much more all round experience of how technology developers work and the political, financial and professional implications of working in industry.

Having three years of industrial experience is the main takeaway for me. I’ve really fallen in love with project engineering and working for a technology developer. I’d love to stay in the industry and expand my skill.”

Calum Kenny, IDCORE EngD student

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 interested in their project.

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 companies such as EDF, E.ON, Nova Innovation, Sustainable Marine Energy, Albatern, ETI, Wood, Innosea and Offshore Renewables Energy Catapult.



What next?

We are currently looking for companies who are interested in projects starting in June 2020 for the September 2019 intake of students. Research engineers will be matched with the projects in January 2020 and they will begin working for their sponsoring companies in June 2020.

The sponsored research engineers will remain placed with the companies for the next 39 months, working full-time on either a single research project or on several linked projects.

The typical cost of sponsoring a four year Engineering Doctorate is in the order of £120,000, however the IDCORE programme provides industry partners the opportunity to sponsor the student for just £45,000, spread over three years.

PROJECT DEADLINE:

1 November 2019 **Deadline for submitting project outlines**

1 June 2020 **Projects start date**

TO DISCUSS OPPORTUNITIES:

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