



ORJIP Ocean Energy

ORJIP Ocean Energy Programme Brief



Llywodraeth Cymru
Welsh Government



1 BACKGROUND

The Offshore Renewables Joint industry Programme Ocean Energy (ORJIP Ocean Energy) was first funded in 2015 by The Crown Estate (TCE), Marine Scotland and Welsh Government (the Sponsors) as the result of recognition amongst many in the industry (developers, regulators, their advisors and the research community) that a coordinated, strategic approach would help de-risk and accelerate the consenting of wave and tidal projects in the UK. ORJIP Ocean Energy was designed to bring together industry, funders and researchers so that the sectors' Environmental Impact Assessment (EIA) and Habitats Regulations Appraisal (HRA) consenting risks could be addressed in a timely manner and on a strategic basis. The Secretariat role was funded for an initial pilot phase, lasting approximately 15 months to June 2016. With the addition of funders Scottish Natural Heritage (SNH) and Natural Resources Wales (NRW), the first official phase of the project was run from June 2016- June 2017. The Secretariat function is run by Aquatera and delivery partners MarineSpace and the European Marine Energy Centre (EMEC). ORJIP Ocean Energy is continuing into its second phase which will run until March 2018.

The ORJIP OE Programme Brief gives a full description of the ORJIP OE Project including aims and objectives. It can also be accessed (along with other ORJIP Ocean Energy documents such as the Forward Look) on the ORJIP Ocean Energy website at <http://www.orjip.org.uk/documents>.

2 AIMS AND OBJECTIVES OF ORJIP OCEAN ENERGY

The aim of ORJIP Ocean Energy is to ensure that the principal EIA and HRA consenting risks for early array deployments in the wave and tidal sectors are addressed by facilitating a strategic, coordinated and prioritised approach to monitoring and research which is endorsed by industry, regulators and SNCBs.

Through the establishment of the Secretariat role, the aim of the Sponsors is that ORJIP Ocean Energy will:

- help organisations whose role it is to fund and manage research to do so efficiently and effectively by bringing together knowledge and expertise on needs and practicalities from industry, regulators, etc.;
- make this knowledge available in a way that can be readily understood and acted upon;
- provide a funded Secretariat to coordinate creating and sharing the information and encourage action (one Secretariat to cover both the wave and tidal work streams); and
- support project developers by coordinating research and monitoring to ultimately assist with commercialisation.

ORJIP OCEAN ENERGY – KEY POINTS

- The basic structure of ORJIP Ocean Energy is public sector funded, given that the wave and tidal developers are not currently in a position to contribute financially. The developers may contribute through the use of project sites and staff resource, etc.
- Research projects will be funded by a variety of organisations, not by the programme itself.
- The Secretariat has been commissioned to take over the day-to-day running of the programme and to connect and coordinate the ORJIP Ocean Energy members.
- The project management of any research projects will be the responsibility of the members.
- The Secretariat will seek to stimulate the identification and collaborative commissioning of the priority research projects by identifying project leaders and funders from within the network of members. The Secretariat will be the main point of contact for ORJIP Ocean Energy and be managed by a Steering Group.
- The programme will cover wave, tidal current and tidal range.

Via the Secretariat, ORJIP Ocean Energy will produce a prioritised list of major research issues. This list will be presented in the **Forward Look**; a published report which sets out the purpose, required timing and broad scope of the research projects necessary to meet ORJIP Ocean Energy's overall aim. The Forward Look will be produced by the Secretariat and will be informed by consultation with key stakeholders including the Steering Group and the Network. The Forward Look will be approved by the Steering Group and maintained by the Secretariat for the duration of ORJIP Ocean Energy. The Forward Look can now be found at the ORJIP OE website <http://www.orjip.org.uk/documents>.

3 STRUCTURE AND FUNCTION OF ORJIP OCEAN ENERGY

An overview of the structure of ORJIP Ocean Energy is presented in diagram (See next page). An outline of the roles and responsibilities of the key function groups (Steering Group, Network and Secretariat) is provided below.

Steering Group – the Steering Group will direct the Secretariat's work, review the Forward Look and monitor ORJIP Ocean Energy's progress. The Steering Group will be convened by the Sponsors and will include regulators (policy, licencing and advisory) and industry representatives from the wave, tidal current and tidal range sectors. The Steering Group will meet regularly.

Network – The Network is the 'engine room' of ORJIP Ocean Energy. Collectively, members will have the capacity to specify, fund, procure and manage research projects. The Steering Group will invite members from a range of organisations including:

- SNCBs
- Conservation bodies including Non-Government Organisations (NGO)
- Leading academic/research programmes/groups active in research relevant to the wave and tidal sectors
- Wave and tidal developers (technology developers with full scale devices installed or those planning to install in the next 24 months and project developers planning arrays)
- Industry bodies
- Test facilities
- Demonstration Zone Managers
- Funding organisations
- Consultancies/advisors
- Key international stakeholders

Members of the Network will commit to actively contribute to ORJIP Ocean Energy; contributions could vary from staff resource, provision of suitable sites/equipment for research/monitoring projects, funding, etc.

Science Advisory Panel – the Network will also contain a Science Advisory Panel consisting of nominated experts from SNCBs, regulators and leading academics. The panel will provide informal peer review of project plans and outputs as required.

Secretariat – A dedicated central function, the Secretariat is the driving force of the programme and will be answerable to the Steering Group and ultimately to the Project Sponsors. The Secretariat will assist with identifying the projects to be undertaken by creating and maintaining the Forward Look and will facilitate Network members to ensure that research projects are commissioned and progressed in accordance with the Forward Look. The Secretariat will ensure that the Network is operating efficiently and that the wave and tidal sectors' priorities are being addressed at the appropriate scale and within suitable timescales. The Secretariat will ensure effective and appropriate communication amongst and coordination of the relevant work of Network members. The Secretariat will maintain and, via input from the Network, update the Forward Look. It will seek to stimulate the identification of Leader(s) and Funder(s) for projects on the Forward Look, and will assist Network members with funding bids, dissemination of project outputs, etc.

ORJIP Ocean Energy Secretariat Team

PROJECT MANAGER: **Ian Hutchison** (Aquaterra)

- Delivery of the project aims and objectives.
- Strategic lead for Tidal Current and Wave.
- Liaison with project sponsors to track progress and plan for continuation of project.
- Lead on communication of project to stakeholders (Including Sponsors, Steering Group, Network and others).
- Overall management of Secretariat team.

SECRETARIAT TEAM: **Jonny Lewis** (Marine Space)

- Strategic lead for Tidal Range.
- Liaison with project sponsors to track progress and plan for continuation of project.
- Lead on communication of project to stakeholders (Including Sponsors, Steering Group, Network and others).

ASSISTANT PROJECT MANAGER: **Jennifer Fox** (Aquaterra)

- Daily management of aims and objectives of the project.
- Logistical management of network, dissemination, website.
- Coordination of progress meetings and reports.
- Management of events coordination such as workshops and webinars in collaboration with other key programmes.

SECRETARIAT TEAM: **Jude Hamilton** (Aquaterra)

- Research and technical expert support.
- Expert support in ecological aspects of the project.

SECRETARIAT TEAM: **Paul Morgan** (Aquaterra)

- Support in general management and input into the project as needed.

SECRETARIAT TEAM: **Caitlin Long** (EMEC)

- Support and input into the project as needed.

DIRECT

ADVICE AND SHARING KNOWLEDGE

COORDINATE, LIAISE AND DRIVE

COMMUNICATION

STEERING GROUP

The Steering Group directs the Secretariat's work, reviews the Forward Look and monitors ORJIP Ocean Energy's progress. The Steering Group is convened by the Sponsors and includes regulators (policy, licencing and advisory) and industry representatives from the wave, tidal current and tidal range sectors. The Steering Group meets regularly.

SPONSORS

The Crown Estate	Crown Estate Scotland
Marine Scotland	Scottish Natural Heritage
Natural Resources Wales	Welsh Government

NETWORK

The Network currently consists of 82 members representing 16 countries including the UK. Groups represented on the Network include Academia, Conservation, Consultancy, Funding Bodies, Industry, Project Developers, Regulators, Research Institutes, Statutory Nature Conservation Bodies, Test Facilities, Trade Associations, Wave Developers, and Tidal Developers. The Network is the 'engine room' of ORJIP Ocean Energy. Collectively, members have the capacity to specify, fund, procure and manage research projects.

INTERESTED PARTIES

4 CONTACT US

For more information regarding the programme, please see our website:

<http://www.orjip.org.uk/oceanenergy/about>

or contact:

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