



Welcome to the Selkie Project newsletter

SELKIE is a cross-border project which aims to boost the marine energy industry in Wales and Ireland by bringing together leading researchers and businesses to improve the performance of marine renewable devices and technologies. [University College Cork](#) are leading the project in partnership with [Swansea University](#), [Marine Energy Wales](#), [Menter Môn](#), [DP Energy Ireland](#) and [Gavin & Doherty Geosolutions](#).

The project is funded by the European Regional Development Fund through the Ireland Wales Cooperation programme.

[Find out more about the Selkie Project](#)

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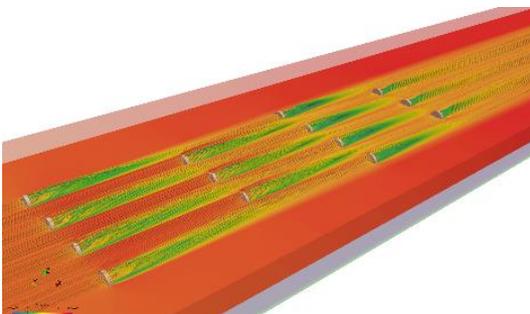
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Selkie Tools and Models

As part of the Selkie Project, multi-use technology tools, templates, standards and models are being created for use across the Marine Renewable Energy industry; which will be tested and validated on wave and tidal pilot demonstration technologies. The pilot testing will advance knowledge and improve marine energy devices in terms of their reliability, survivability, operability, stability and commercial viability.

These tools include:

1. GIS Techno-economic Models
2. Foundations and Mooring Design
3. Physical and Numerical Array Modelling
4. Sensor Optimisation and Data Analysis
5. Operations and Maintenance (O&M) and Logistics Models



In this edition of the Selkie Project newsletter, we will be delving deeper to learn more about the **Computational Fluid Dynamics and GIS-Technoeconomic tools** that are being developed. Read our Selkie Tool Series blog to find out more about the progress being made and how you can input in to the development of these tools.

[BLOG - Selkie Tool Series: Computational Fluid Dynamics tool for tidal arrays](#)

[BLOG - Selkie Tool Series: GIS Technoeconomic tool for wave and tidal energy](#)

Wave and Tidal Pilot Projects



We are delighted to be collaborating with two outstanding marine renewable energy companies to validate the tools developed during the Selkie Project. We will be working with [OceanEnergy](#) on the wave energy pilot project and [Sabella](#) on the tidal energy pilot project.

We will be sharing progress on these pilot demonstration projects over the duration of the project.

Read our press announcements for both projects and learn more about these companies here: [OceanEnergy wave energy pilot project](#) and [Sabella tidal energy project](#).

Operations and Maintenance Questionnaire



Selkie is developing a decision-support tool that will simulate and optimise the logistics required for the **installation and O&M of marine renewable energy technologies**.

We would appreciate your input on the development of the tool - to identify what strategies the tool should be able to test and gather information to form generic case-studies. Once completed, this open-source tool will be available for the industry to use.

[Please fill in and share our survey](#)

The Selkie Network



Join our growing network of businesses! We are looking to bring together Welsh and Irish fabricators, engineers, marine operators, consultancies, marine energy device developers and more. Some of the companies already signed up are **Bombora Wave Power, Orbital, Sabella SA, Magallanes Renovables, Ocean Energy, Mainstay Marine Solutions, FAUN Trackway, Alpha Marine and Bartlett Engineering**, to name a few.

We will be sharing more information on the network in upcoming newsletters, including a '**Spotlight on the Selkie Network**' feature to highlight the businesses involved.

What do you get from signing up to the network?

You will become part of a growing network of enterprises and businesses receiving support and opportunities for training, seminars and workshops on topics including techno-economic support, business planning and R&D grant preparation as well as the opportunity to network and gain contacts with both industry and academics.

Contact sophie@mentermon.com for further details on joining the Selkie Network.

Selkie Events

We are currently running a series of public information and supply chain webinars on themes associated with marine renewable energy. The materials for the first two webinars including recordings and presentations are linked below.

The next two webinars in the series will focus on 'Foundations & Moorings' and 'Skills for the Marine Energy sector' - save the dates coming soon!

[Selkie Webinar 1 - Sustainability through Diversification](#)

[Selkie Webinar 2 - Operations & Maintenance in Marine Energy](#)



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