SELKIE

Development of a Streamlined Commercialisation Pathway for the Marine Renewable Energy (MRE) Industry

Ireland & Wales

Overview

Ireland and Wales have some of the world's largest wave and tidal energy resources with the potential to generate power exceeding that of solar and wind. While these regions have extensive expertise for making the marine renewable energy (MRE) sector viable, wave and tidal technology development is constrained by the lack of funding for research and development and pilot demonstrations at sea, as well as the absence of common procedures, methods and components within the sector.

SELKIE aims to establish **a cross-border network** of marine renewable energy SMEs and supply chain companies; conduct **industry-academic collaborative projects**; **transfer knowledge to wave and tidal industry/SME stakeholders** (thereby advancing the technology of the sector as whole); as well as **assist Irish and Welsh SMEs** to progress towards commercialisation and higher levels of technology and investment readiness levels. SELKIE is designed to achieve these objectives through **development of shared multi-use engineering tools, models and standards** that can be used across the sector in both Wales and Ireland.

SELKIE will **test and validate engineering tools on two pilot demonstration technologies: wave and tidal** (to be chosen via open tender). The pilot testing will advance the available knowledge, using a structured development path for testing and improvement of ocean energy devices in terms of their reliability, survivability, operability, stability and commercial viability. The project was **launched in 2019 and will run until 2022.**

Results

The development of the MRE sector will result in **production of clean energy, job creation and technology export to the global market.**

Project in figures

Total cost: € 4.812.957
EU funding: € 4.216.000

EU funding source:

European Regional Development Fund (ERDF) through the Ireland Wales Programme.

Connect with the project

http://selkie-project.eu/

@SelkieProject

Share your success stories with
helpdesk@atlanticstrategy.eu

Co-funded by
the European Union