

## WETFEET

### Wave Energy Transition to Future by Evolution of Engineering and Technology

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The **WETFEET** project, funded under EU's Horizon 2020 Framework Programme, addresses the major constraints that have been delaying wave energy's progress by identifying and developing disruptive components, systems and processes to improve the sector as a whole.

**WETFEET** has the overall aim to understand and find solutions to the constraints in the development of wave energy technology. In particular, the project seeks to identify and develop viable innovative solutions to improve the survivability, reliability, scalability, performance and cost competitiveness of wave energy technologies. It addresses issues such as the use of negative springs, submergence (permanent or under stormy conditions), reduction of mooring lines length, use of dielectric membranes as PTO, removal of PTO & control set for reduced O&M. etc.

#### Recent experience in wave energy has revealed issues with:

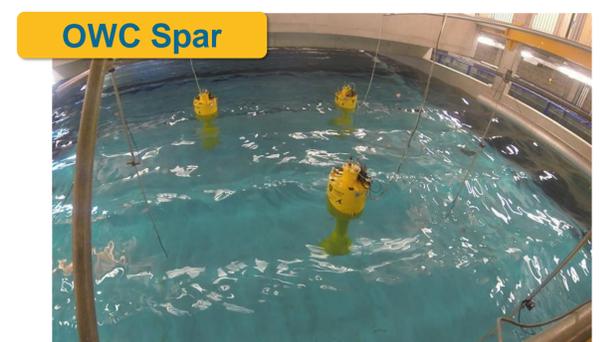
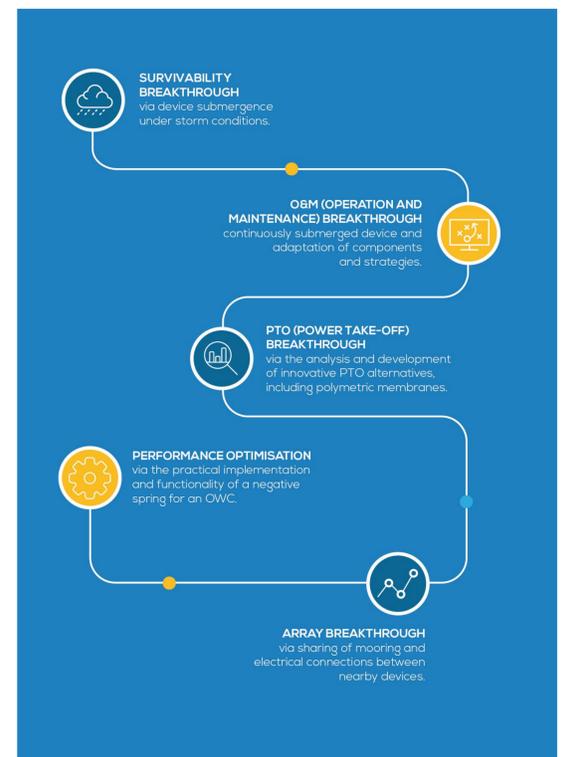
- Reliability of Technical Components
- Survivability
- High Development Costs and Risks
- Long Time To Market
- Industrial scalability of proposed solutions

**However**, wave energy has the potential to fulfil part of the global demand for a clean and safe energy source so as to integrate the backbone of a secure energy system in the next few decades and contribute to the creation of jobs in the EU and worldwide.

While the breakthrough features addressed by **WETFEET** are expected to positively impact the wave energy sector as a whole, the work is focused on their development and integration into two different wave energy converters, namely:

- the **OWC**, both with structures undertaking significant and limited heaving motions;
- the **Symphony**, a variable volume submerged buoy, a follow-up of Teamwork's AWS (Archimedes Wave Swing) concept.

The project also considers cross-cutting aspects such as logistics and supply chain, as well as environmental and socio-economic issues.



#### More information

[www.wetfeet.eu](http://www.wetfeet.eu)

[www.facebook.com/WetfeetProject](https://www.facebook.com/WetfeetProject)

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#### Project Consortium



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