

# NL-MARINERG-i

## Dutch Marine Renewable Energy Infrastructure

The Dutch research & open water testing infrastructure (NL-MARINERG-i) is part of a larger European scientific collaboration (MARINERG-i) to accelerate the research development and deployment of wave, tidal, offshore wind and combined Offshore Renewable Energy (ORE) technologies. At its disposal will be the facilities, tools and e-infrastructure necessary to support research in ORE as a core activity within ocean and engineering science.

### Aim

A key focus is to accelerate the deployment of efficient, reliable and cost-effective ORE technologies which will fuel the continued growth of this sector in Europe. Therefore, the organization and activities are designed in line with a defined research agenda established on the basis of inputs from ongoing EU coordination/roadmap initiatives (Ocean Energy Roadmap, SET plan/

TP Ocean/SI Ocean/Green Deal) and end-users requirements. A dedicated assessment strategy, based on the definition of specific Key Performance Indicators (KPIs) and involving relevant supervisory and advisory bodies, guarantees the quality of the offered services and its ability to anticipate and respond to changing end-user requirements.

### Facilities


The NL-MARINERG-i encompasses five primary scientific focus groups: wave, tidal, offshore wind, electrical and grid connection and cross-cutting technologies/components. Research conducted within each of the NL-MARINERG-i focus groups requires access to different types of facilities. Infrastructures can thus be classified according to both the main domain of activity (focus group) and the scale or level of developments of the models or devices that can be tested

in a given facility. This is important because facilities with different sizes and capabilities are necessary at different stages of development of an ORE converter (depending on its Technology Readiness Level (TRL)), from proof of concept at a small-scale in the controlled environment of a laboratory, to full-scale deployment for production in an open sea test site connected to the grid. NL-MARINERG-i provides the full range of facilities for all stages of device development.

### Offer

Access to the participating facilities will be managed through a streamlined application process mediated by the single access portal, developed as part of the MARINERG-i e-Infrastructure ([www.marinerg-i.eu](http://www.marinerg-i.eu)). This platform will allow the integrated view of infrastructure availability, matching users' requirements, ensuring quick access and helping to alleviate oversubscription to well-known facilities by directing users to equally suitable facilities available within their time-frames. Support will be provided to users so as to help them determine the most appropriate testing facility according to:

requirements, ensuring quick access and helping to alleviate oversubscription to well-known facilities by directing users to equally suitable facilities available within their time-frames. Support will be provided to users so as to help them determine the most appropriate testing facility according to:

-  technology type
-  Technology Readiness Level
-  test scope and objectives
-  developer's location, timeline and available funding mechanisms
-  availability of relevant testing facilities

For more information contact: [office@dutchmarineenergy.com](mailto:office@dutchmarineenergy.com)

## Dutch test landscape

