DOMTEM

DEVELOPING A TOOL TO MODEL TURBINES IN A MARINE ENVIRONMENT

The aim of the DOMTEM project is to improve the functionality of a simulation software to help design new MRE technologies.

It will enable the InWave software to calculate the complex aerodynamic load on the blades of floating wind turbines, as well as the hydrodynamic loads on the blades of tidal turbines.

The project will also improve calculations of the variations in tension experienced by anchor lines, by linking up with a dynamic solver. The use of parallel calculation techniques will optimise calculation performance times.

Once the results have been validated, the software will be of use to the entire MRE sector.

Partners

COM_PROJECTS_CATEGORIE_PARTNER_ENTREPRISES

Innosea, Nantes

Research center

Ecole Centrale de Nantes (ECN), LHEEA, Nantes [Project Developer]

Funder

WEAMEC

Labelisation

24/05/2019

Overall budget

101 k€