



Politecnico
di Torino



Numerical analysis and design of a connection system based on elastomeric material: floating islands case study

Master thesis proposal at the Marine Offshore Renewable Energy Lab Department of Mechanical and Aerospace Engineering Politecnico di Torino

Recommended profile:

Mechanical Engineering, Aerospace Engineering, Civil Engineering

Topics involved:

Floating islands

Contact references:

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Proposal description

The scope of the thesis concerns the numerical study and design of a connection system based on elastomeric material for the connection of floating platforms for residential use. Objectives of the thesis are:

- functional design of a connection based on elastomeric material
- numerical modelling (FEM) of the elastomeric connection
- mechanical design of the connection

This thesis activity is part of the "Seaform" project studying the feasibility of creating communities on floating artificial islands (<https://www.seaform.it/>)