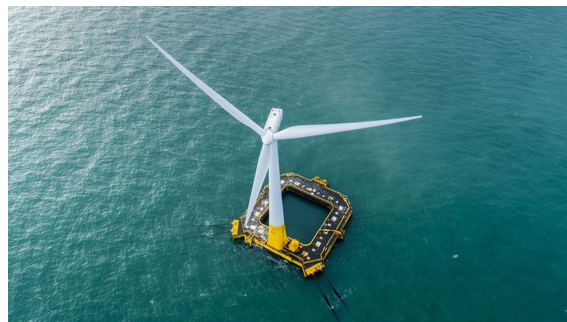


## Public Policy for Floating Wind Turbines

Proposed by Ponticelli Frères (1, rue Lilienthal, Emerainville, 77312 Marne la Vallée  
<https://www.ponticelli.com/en/>)

Pilot projects play an important role in energy transition. Typically, they take place in a context of market failures (spillovers, learning-by-doing, imperfect capital markets, coordination issues...) which justifies the intervention of the State. These projects will inevitably encounter difficulties due to the lack of maturity of the technologies that will translate into unexpected costs, uncertain delay and possible alteration of long-term performance. The internship focuses on the case of **Floating Wind Turbines**.



The objective of this internship is to **design an efficient public policy integrating the interests between:**

- The **project developer**, which will operate the facility, counts on the future profitability based on the sales of the output (green energy); it notably carries out the uncertainty of future prices.
- The **EPC contractor**, which takes care of Engineering, Procurement, and Construction of the industrial infrastructures; it carries out the risks of large upfront capital investments.
- The **State**, which provides public aid without which the project would not take place; besides contributing to the national objectives of decarbonization, the project may be seen as a contribution to French re-industrialization.
- **Private financial institutions** which provide funds through debts and/or equity.

The exploration will be based on in depth analysis of large projects through public data, internal documents, and prospective business plans completed by interviews with the stakeholders (state agencies, ADEME, BPI, DGE, banks and industrial contractors).

### Requirements and further information

This internship is intended for Master's students/engineering students with a background in economics or management and analytical skills. The candidate must have strong organizational and writing skills, autonomy, and the ability to work with various stakeholders.

The internship will take place under the joint supervision of Jean Philippe Hellé (Ponticelli) and both Guy Meunier and Jean-Pierre Ponsard (Eco Department, Ecole Polytechnique, and chair Energy and Prosperity <https://chair-energy-prosperity.org/en/> )

Students interested should send their CV and motivation letter to [jean-pierre.ponsard@polytechnique.edu](mailto:jean-pierre.ponsard@polytechnique.edu)