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**Code:**

**Project: OPTIWIND**

**Area: Energy Efficiency in Systems, Buildings and Communities Area**

**Area leader:**

**Group: Power Systems**

**Group leader: Dr. Jose Luis Domínguez García**

**TITLE: R1 Research Engineer on optimization of offshore wind technologies**

## **JOB DESCRIPTION**

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The Power Systems Group announces a new opening as Research Engineer to work on competitive research project in the field of Offshore Wind energy within the framework of OPTIWIND project funded by ACCIO through the INNOTEC programme. The tasks to be carried out will be focused on the development of the models, modules and tools for optimization of the electrical connections and layout for LCOE, LCA, AEP of offshore wind technologies.

### **Qualifications and experience required:**

#### *Essential:*

- Bachelor or Master in Mathematics, Industrial engineering, civil engineering or similar.
- Experience in mathematical modelling
- Experience in Optimization techniques
- Good programming skills (e.g., Matlab, Python)

#### *Preferred:*

- Experience in cost analysis and energy estimation.
- Experience in modelling of offshore wind and floating.
- Experience in work in international environment will be valued.

#### *Language required:*

Fluent in Spanish and English.

#### *Personal Skills:*

- Team Worker
- Initiative in Research and Innovation
- Flexibility
- Results-oriented
- Analytical and synthesis capabilities

**What we offer:**

We offer fix-term position, with potential extension. Salaries will be paid in accordance with the IREC's salary policy, depending on the candidate's qualification and professional experience.

**Starting Date:**

The expected starting Date will be the sooner the better.

**How to apply:**

Send applications by email directly to Francesc Torregrosa ([irecjobs@irec.cat](mailto:irecjobs@irec.cat)) including CV, academic and professional records and motivation letter.