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Project:

Area: Energy Efficiency in Systems, Buildings and Communities Area

Group: Energy Systems Analytics Group

Group leader: Dra. Cristina Corchero García

JOB DESCRIPTION –: “R1 – Project Engineer for LCA and LCC energy technologies”

Description:

The Energy Systems Analytics Research Group is looking for a Project Engineer with experience in economic and life cycle assessments of energy technology. Its main duties will be to participate in project tasks focused on sustainability topics from a life cycle perspective by using the LCA methodology of different energy technologies such as battery systems, renewable energies (photovoltaic, wind power, H₂ for energy production for energy...) and advanced materials for energy. Therefore, high levels of education and experience in life cycle assessment (LCA), economic assessment (LCC), and applied LCA software (GaBi and Ecoinvent databases) for the energy sector, energy storage systems for electric vehicles, renewable energies, and advanced materials for energy are preferred of this candidate. Having the capacity to take initiative and solve problems in a group setting, also, high degree of synthesis and analysis abilities. To analyze the energy economics aspects of IREC projects included in the Energy Efficiency in Systems and Communities Research Area, the applicant is expected to give engineering support and a critical eye of a researcher.

Qualifications and experience required:

Essential:

Professionals of any nationality who meet the following qualifying requirements may apply for the call:

- Hold a degree in the areas of Industrial Engineering, Electrical Engineering, Energy Engineering, Civil Engineering or Environmental Sciences related with LCA or LCC techniques.
- Some LCA experience, preferably in the field of renewable energy systems, preferably energy storage systems.
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Preferred:

- The candidate had obtained an official master's degree or is nearing completion of an equivalent degree.
- Knowledge and experience in projects in the energy sector, especially in renewable energies, advanced materials advanced, and energy storage systems.
- Knowledge of financial aspects related to energy projects.
 - Knowledge in LCA software (GaBi) and databases.



- Good communication skills; able to explain difficult scientific concepts to people from other fields.
- LCA or LLCC-related scientific publications.

Language required:

Fluent in Spanish and English

Personal Skills:

- Team Worker
- Initiative in Research and Innovation
- Flexibility
- Results-oriented
- Analytical and synthesis capabilities technical knowledge: - Experience in LCA and LCA software and database (GaBi, Ecoinvent, ...)

Send applications by email directly to (irecjobs@irec.cat) indicating Ref. 07/2023 in the subject of the e-mail. including CV, academic and professional records, and motivation letter