**Publish date**: January 31st 2024

**Deadline for application**: February 20th, 2024

**Ref.** 23/049

**Project**: INTEGRATE

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

**Group**: Energy Systems Analytics

**Group leader**: Josh Eichman

**PI**: Josh Eichman/Victor Ferreira

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## 'R1 – Project Engineer for LCA and LCC Energy Technologies and Smart Grid integration and optimization '

**Description**:

The Energy Systems Analytics Research Group is seeking a talented Project Engineer to join our team. In this role, you will play a crucial role in analysing the life cycle of energy technologies and assessing their viability within sustainability projects. You will primarily utilize Life Cycle Assessment (LCA) methodology to evaluate various energy technologies, including battery systems, photovoltaic, and wind power. Additionally, you will provide engineering support and analyse the energy economics of projects related to Energy Efficiency in Systems. As part of your main responsibilities, you will also contribute to the integration of active consumers and energy communities in smart distribution networks, utilizing tools for optimal design and operation while considering environmental evaluation.

The candidate for this position should have a combination of education and experience in life cycle assessment (LCA) and economic assessment (LCC), as well as an understanding of LCA software such as GaBi or similar Ecoinvent databases. These skills are essential for the energy sector, particularly for energy storage systems for electric vehicles, and renewable energies and its integration and optimisation of smart distribution networks. In addition to technical skills, the candidate should possess exceptional analytical and synthesis skills, be a great team player, adaptable, innovative, proactive, and have excellent problem-solving abilities.

**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 to LCA approach and LCC techniques.
- Some LCC experience, preferably in the field of renewable energy systems and smart grid integration and optimizations.
- Fluent in Spanish and English (Catalan will be valuable)

Preferred:

- The candidate has 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 and smart distribution networks.
- Knowledge of financial aspects related to energy projects.
- Knowledge of LCC tools and LCA software (GaBi) and databases.
- Good communication skills; able to explain difficult scientific concepts to people from other fields.
- LCA or LCC-related scientific publications.

Personal skills:

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

**Required documents**:

Applicants must submit the following documents by email to irecjobs@irec.cat; jeichman@irec.cat and vjferreira@irec.cat

Please indicate in the subject **REF.2023/27**

**Reference**:

- Curriculum Vitae, specifying the completed degree and any relevant professional experience.
- Motivation letter.

**Offer of job position**:

We offer an R1 position for 24 months on the frame of INTEGRATE project.

Salaries will be paid following the IREC's salary policy, depending on the candidate's qualifications and professional experience.