



Shaping Energy for a Sustainable Future

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**Ref. 51/2022**



**Financiado por  
la Unión Europea**

NextGenerationEU

**Code:**

**Project: INVESTIGO**

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

**Area leader:**

**Group: Thermal Energy and Building Performance Group**

**Group leader: Dr. Jaume Salom Tormo**

## **Researcher position in management of HVAC systems (R1)**

The "Thermal Energy and Building Performance" group at IREC is offering a junior researcher/engineer position in the field of integration and intelligent management of HVAC systems with heat pumps for the SEILAB laboratory (Semivirtual Energy Integration Laboratory).

### **Tasks**

The activities to be developed will focus on the development and experimental validation in laboratory and pilot installations of algorithms for the monitoring and management of energy systems based on heat pumps. The candidate will join an interdisciplinary research team, with extensive experience and developing projects in this field of knowledge both nationally and internationally.

### **Specific tasks:**

- (i) Collaboration in the assembly and execution of experiments for the validation and development of energy monitoring and management systems.
- ii) Data analysis and validation of experimental results and pilot installations.
- iii) Collaboration in the development/programming of algorithms for energy management and communications with equipment.

### **Requirements**

- Appropriate academic qualifications
- Young people between 16-29 years old
- Registered as job seekers in the public employment service.
- Not having worked at IREC in the last 6 months prior to the contract.

### **Selection criteria**

- Official Master's degree or equivalent in fields related to Mechanical Engineering, Computer Engineering, Telecommunications Engineering and Energy Engineering.
- Experience in experimental studies, monitoring and/or control of systems.



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- Fluency in English and Catalan/Spanish is essential.
- Previous participation in research projects related to the subject.

### **Category**

Researcher R.1.6

### **Contract duration**

24 months

### **Location**

Tarragona

### **Incorporation**

From September 2022

### **Procedure**

Applicants should send a detailed Curriculum Vitae and a motivation letter by e-mail directly to [irecjobs@irec.cat](mailto:irecjobs@irec.cat) indicating "**Ref. 51/2022 HVAC SYSTEMS RESEARCHER POSITION**".