

## Company Description

CIC Energigune is a Cooperative Research Centre founded in 2007 with its headquarters in the Basque Country. Created thanks to the investments of the Basque Government and several leading companies in the energy sector, it aspires to become a true international leader in the field of energy and contribute to the industrial competitiveness of Basque companies.

## Information

 **Deadline:** 2019-02-20  
 **Category:** Business  
 **Province:** Alava

 **Country:** Basque Country  
 **City:** Vitoria

## Company

CIC energigUNE



## Main functions, requisites & benefits

### Main functions

CIC energigUNE is seeking an experienced Post-doctoral Researcher to engage in applied fundamental research activities and industrial projects. The postdoc will work in two parallel topics, one dedicated to the design and development of Advanced Cathode materials for Li-ion batteries and the second dedicated to Post-Mortem analysis and determination of the main degradation mechanisms in industrial projects.

### Job function

Synthesis of inorganic compounds.

Physicochemical and structural characterization of materials and cell components using various analytical techniques (XRD, SEM, Raman, DSC/TG, FTIR, etc.).

Prepare positive and negative composite electrodes for Li-ion batteries.

Electrochemical characterization (e.g. galvanostatic charge-discharge tests, electrochemical impedance spectroscopy)

Perform post-mortem analysis and understand failure mechanisms

### Requisites

- PhD in Solid-state Electrochemistry, Inorganic Chemistry, Materials Science or related fields
- Experience in material synthesis, electrode formulation and device design/fabrication.
- Training in electrochemical measurements: galvanostatic and potentiostatic tests.
- Training in Impedance spectroscopy analysis applied to Li-ion batteries.
- Experience in material characterization.
- Inter-personal and communication skills to work effectively within a multi-disciplinary team. A team player who can collaborate with other groups, technical centres, and industries.
- Excellent verbal and written communication skills in English
- Previous experience in Li-ion batteries or other electrochemical energy storage system will be considered

### Benefits

We are offering a 3 year contract and advantageous professional development opportunities within interesting projects in the field of batteries.

CIC energigUNE offers a competitive basic salary augmented by important benefits such as special conditions for a private health insurance that compare favourably with the best global private and public institutions.