

Company Description

CIC energiGUNE is an energy research centre based in the Basque Country of Spain. Its mission is to play a leading role on the international stage in the field of energy storage technologies and contribute to the industrial competitiveness of Basque Country. CIC is a world-class research facility with cutting-edge equipments. CIC energiGUNE is composed of young, international and dynamic research teams. CIC energiGUNE has been awarded by the European Commission with the 'HR Excellence in Research' which reflects our commitment to achieve fair and transparent recruitment and appraisal procedures, and certifies the existence of a stimulating and favorable work environment for researchers in our institution.

Information

 **Deadline:** 2020-02-21
 **Category:** Business
 **Province:** Araba / Alava

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

Company

CIC energiGUNE

CIC energiGUNE
 MEMBER OF
 BASQUE RESEARCH
 & TECHNOLOGY ALLIANCE

Main functions, requisites & benefits

Main functions

Selection of electrode materials and integration into electrochemical cells. Knowledge on Characterize materials, cell components and their interfaces using various analytical techniques (physicochemical, structural and electrochemical techniques) will be valuable. Development of a metal-air battery according to market requirements or technical specifications and considering economic technical feasibility. -SoA analysis and economic technical reports generation. Optimization of the processing route and design of the metal-air prototype. -Evaluate and define the scale up process of the battery materials.

Requisites

Degree or PhD in Chemical or Materials engineering, Chemistry, Materials Science or Engineering related field with experience in: Knowledge on the preparation and/or processing air electrodes and their integration into a full system. Electrochemical characterization of batteries by cyclic voltammetry, galvanostatic charge-discharge tests and electrochemical impedance spectroscopy measurements. Characterization of materials and interfaces using structural and physicochemical analysis techniques such as X-ray diffraction (XRD), electron microscopy (SEM), FTIR and Raman spectroscopy will be valuable. A team player who can collaborate with other groups, technical centres, and industries. Good verbal and written communication skills in English.

Benefits

We are offering a 36-month contract and advantageous professional development opportunities within interesting projects in the field of solid-state batteries. Work-life balance. Flexible Schedule.

