



## Company Description

CIDETEC is a Technology Centre that brings together three leading international centres in the fields of Energy Storage, Surface Engineering and Nanomedicine. For more than 25 years, we have been working with leading companies to develop technology that makes the world a better place.

## Information

 Deadline: 2025-03-18  
 Category: Business  
 Province: Gipuzkoa

 Country: Basque Country  
 City: San Sebastián

## Company

CIDETEC



## Main functions, requisites & benefits

### Main functions

Our work covers the entire value chain, from battery chemistry to the final application. We design and develop cells, modules and battery packs tailored to our customers' needs, with a clear focus on technology transfer to industry. The researcher's work will be related in the development and implementation of multi-physics models for lithium ion and lithium metal batteries. You will join the Storage Systems Unit, working on knowledge generation and industrial projects. They must be capable of carrying out several lines of research simultaneously, optimising resources and maximising results. You will join a team led by a line manager, working independently according to a defined work plan involving both technical and managerial activities. Your work will focus on the following activities: Assembly of button cells in controlled glove chamber. Pouch/cylindrical cell opening and rigid housing in controlled glove chamber. Physical-chemical characterisation of cell materials and components (TGA, FE-SEM, XRD, Raman, NMR). Electrochemical characterisation of electrodes and cells (GITT, PITT, EIS, CV). Project management. Drafting of project proposals.

### Requisites

Education: PhD in the field of Advanced Materials for Energy. Languages: Fluent in spoken and written English. Knowledge: The successful candidate will demonstrate a sound knowledge in: R&D in battery systems. Characterization techniques, XRD, Raman, FTIR, TGA, SEM(-EDS), TEM, XPS, gas sorption (BET & BJH), CV, EIS. Electrochemical characterization of batteries post-mortem analysis. Inorganic chemistry, electrochemistry and advanced materials. Observations: A highly motivated person, with a keen interest in research and innovation, you will join a multidisciplinary team. You will be able to organise your work, meeting both the deadlines and the established objectives. Problem-solving capacity and scientific criteria. Good communication skills, both verbal and written. Having undertaken a placement abroad and more than 3 years' work experience will be considered a plus. "We positively value applications from people with a disability equal to or greater than 33%, in compliance with current legislation, the General Law on the Rights of Persons with Disabilities and their social inclusion (LGD).

### Benefits

At CIDETEC you will be able to develop your career alongside a team of top-level professionals dedicated to innovation and seeking to provide practical solutions that result in a more sustainable world. Professional development opportunities that allow you to build a solid career, working on projects that transform both industry and society. Work with teams at the very highest level in local, national and European settings. Work-life balance initiatives. Continuous training. Privileged setting in a safe and friendly environment. Variable remuneration package for all employees.