

Company Description

CIC energiGUNE is a research center specialized in energy, electrochemical storage (batteries and supercapacitors), thermal energy solutions and hydrogen, a member of the Basque Research and Technology Alliance- BRTA, and, a strategic initiative of the Basque Government. CIC energiGUNE was created in 2011 to generate excellent knowledge and at the same time useful for the Basque business network, being a reference in knowledge transfer. CIC energiGUNE has a dynamic research team of more than 100 researchers and is extremely well equipped with a wide range of up-to-date facilities that are fully available for all its researchers. Also, the European Commission has recently (2019) awarded CIC energiGUNE with the 'HR Excellence in Research' which reflects its commitment to achieving fair and transparent recruitment and appraisal procedures and certifies the existence of a stimulating and favorable work environment for researchers in the institution. For more details on CIC energiGUNE's research activities please visit our website at <http://www.cicenergigune.com>. TO APPLY: All applicants are invited to submit through this website detailed curriculum vitae and two reference letters at this webpage: <https://cicenergigune.com/en/em/opportunities/91128777>. The selection process ends once the candidate is selected. CIC energiGUNE is committed to

Information

 **Deadline:** 2023-04-30
 **Category:** Business
 **Province:** Araba / Alava

 **Country:** Basque Country
 **City:** Vitoria-Gasteiz

Company

CIC energiGUNE



Main functions, requisites & benefits

Main functions

CIC energiGUNE is seeking an experienced engineer to lead the research line of thermal management technologies for batteries and power electronics, that will join the Engineering and prototyping group of the Thermal Energy Solutions area. The candidate will be an internal reference on the technology contributing to define and guide the strategy related to it towards its final industrial application in coordination with the scientific director and technology coordinator of the area. Within this mission daily candidate responsibilities will be to carry out a continuous monitoring and support of the research line activities and budget to make sure targets, timelines and objectives are fulfilled. This means to follow the set plan, inform of derivations to Scientific Director and Technology Coordinator, proposing measures to avoid overloads, overlaps, and prioritize dedication to critical issues. To carry out this work, the candidate will coordinate and guide a team of interdisciplinary engineering scientists, including PhD students, towards excellence and technology transfer. The candidate will be responsible as well to look for funds to support the research line, both public (e.g. Horizon program) and private from industrial companies. Together with industrial partners and leveraging on the expertise of first-class researchers the candidate will develop engineering thermal management solutions, which may involve the design and construction of prototypes at CIC energiGUNE or industrial sites. The selected candidate's tasks will be: To define the main strategy of the research line in collaboration with the Scientific Director and Technology coordinator, in line with the objectives of the strategic plan of the center; To lead a group of thermal scientists to provide new ideas and concepts beyond the state-of-the-art towards the development of disruptive thermal management technologies for batteries and power electronics, from the idea to the experimental validation (TRL6); To develop CFD and system/process dynamic models and simulations; To look for funds to support the research line, elaborating public and private funding projects proposals; To participate in dissemination activities: peer-review articles, technical conferences, congresses, informative articles, etc.; To support our international project partners in industry and academia.

Requisites

Degree in Mechanical, Industrial, Chemical or Manufacturing engineering; PhD in a related topic; More than 5 years' experience using computational fluid dynamic (CFD) software (i.e. ANSYS Fluent, OpenFOAM, STAR-CCM+ or similar), for thermal applications; Experience in preparing R&D projects proposals and/or leading and coordination of R&D projects; Experience on system dynamics modeling will be very valuable (i.e. TRNSYS, Modelica, Simulink or similar); Knowledge of hardware-related interface programming will be an asset; Good verbal and written communication skills in English (Spanish or Basque valuable but not compulsory); Demonstrated self-motivation and ability to work independently; A good team player who can collaborate with other groups, academic and industrial partners.

Benefits

WHAT WE OFFER: We are offering a permanent contract and advantageous professional development opportunities and a rewarding