


Company Description

CIC energiGUNE (CICe) is a young energy research centre (inaugurated in June 2011) with headquarters in the Basque Country (Spain), whose mission is to do an excellence oriented research as well as the transfer of technology to the industry. CICe has a dynamic research team of more than 100 researchers, is extremely well equipped with a wide range of up-to-date facilities that are fully available for all its researchers. For more detail on CIC's research activities please visit <http://www.cicenergigune.com>

Information

 **Deadline:** 2021-01-08
 **Category:** Academia
 **Province:** Araba / Alava

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

Company

CIC energiGUNE



Main functions, requisites & benefits

Main functions

The research will be focused on the study of existing and novel chemical reactions and thermochemical cycles for thermal energy storage and fuel production (initial focus on hydrogen production). The final objective of the research is the development of advanced materials and systems that can be implemented in a real application (TES and fuel production in solar power plants and Industrial environment). To develop and identify materials (e.g. tailor made metal oxides) and thermochemical cycles for thermal energy storage and fuel production. To go deeper into experimental characterization and behavioural understanding of such materials. To contribute to the demonstration and to pilot activities as well as to scale up developed systems. To collaborate in project proposal writing to obtain funding from institutions and industrial sources. To supervise graduate/master students.

Requisites

CIC energiGUNE is looking for an experienced Post-doctoral Researcher to incorporate in the group of Solid state chemical reactions in the thermal energy storage (TES) area. PhD in Chemistry, Physics or related fields. Experience in materials synthesis, modification and characterization. Experience on heterogeneous gas-solid reactions will be valuable. A team player who can collaborate with other groups, technological centres, and industries. Excellent verbal and written communication skills in English.

Benefits

Integration in an enthusiastic and multidisciplinary young group with great projection and commitments with sustainability and research quality. In addition to the appeal of the entire project, the CIC energiGUNE offers a competitive basic salary linked to the MCIF conditions. The Foundation will also help smooth the transition for you and your family, providing a welcome program that offers accommodation and addresses other aspects to help you integrate into the local environment. CIC energiGUNE is committed to affirmative action, equal opportunity and the diversity of its workforce.

