




Company Description

TECNALIA is the largest center of applied research and technological development in Spain, a benchmark in Europe and a member of the Basque Research and Technology Alliance. We collaborate with companies and institutions to improve their competitiveness, people's quality of life and achieve sustainable growth. We do it thanks to people who are passionate about technology and committed to building a better society.

Information

 Deadline: 2023-03-30
 Category: Business
 Province: Gipuzkoa

 Country: Basque Country
 City: San Sebastian

Company

Tecnalia Research and Innovation



Main functions, requisites & benefits

Main functions

Task Description: The successful applicant will be involved in the electrochemical characterization of innovative materials and components (catalysts, electrodes, membranes, ...) for low temperature electrolysis for hydrogen generation. The selected candidate will propose innovative protocols and improvements related to the characterization of materials in electrochemical applications (especially for water electrolysis processes) and must be able to analyze testing results to give inputs in materials and components development for this technology. The successful applicant will be responsible of the implementation of internal quality standards and safety protocols related to the electrochemical techniques. The selected candidate will collaborate in the preparation of R&D proposals, technical offers, execution of projects on electrolysis at national and European level. The selected candidate will collaborate in acquiring new capacities and equipment in electrochemical testing in TECNALIA and in the development of new research lines demanded by the Sector and aligned with the Area's value proposition.

Requisites

Degree in Electrochemistry, Chemistry, Chemical Engineering, Material Science, or similar. At least 4 years of proven experience on electrochemical testing of materials and components, preferably in electrolysis technologies. Experience in data analysis and evaluation of electrochemical testing results. Creativity and ability to expand the knowledge to novel characterization techniques. Proficient in English, at least C1 level or equivalent. Good communication skills. Other valuable aspects: PhD related to electrochemistry. Work experience in Industry related to electrochemistry. Experience on catalysts and electrodes for water electrolyzers and fuel cells. General knowledge on hydrogen technologies and hydrogen value chain.

Benefits

Professional development opportunities in a sector with high growth expectations. Develop your research career working on leading electrolysis projects. Integration into a highly qualified and multidisciplinary team of researchers and technicians.