

Company
Description

TECNALIA <https://www.tecnalia.co>

Information

 **Deadline:** 2021-04-30
 **Category:** Business
 **Province:** Bizkaia
 **Country:** Basque Country
 **City:** Parque científico y tecnológico de Bizkaia (Derio)

Company

Tecnalia Research and Innovation



Main functions, requisites & benefits

Main functions

At TECNALIA, we want to strengthen the Digital Construction team, framed in the Building Technologies Division, by incorporating a Senior Researcher in Georeferenced Information Systems and urban 3D models. What will you do? We work on R&D activities based on technologies for urban 3D modeling, offering innovative solutions within the framework of smart cities and buildings (Smart Cities). This team focuses on the research in the technologies and the models of 3D geospatial representation (mainly CityGML) and interoperability, for the development of applications based on 3D models and web 3D visualization platforms (like CesiumJS or Three.js), for different areas: energy, mobility, acoustics, tourism, urban public infrastructures, etc. We are a Benchmark Technology Center in contracting, participation and leadership of European research projects in the H2020 Program and in the FP7 and, likewise, we work in direct relationship with industrial agents in the construction sector and the value chain related to management and operation of urban public services infrastructures. If you are the selected person: You will participate in R&D projects at a national and international level, coordinating them in some cases. You will complement and expand the technical capabilities of the team. You will contribute to the development of the research program. You will promote collaborations with other groups at an international level.

Requisites

Computer Engineering or similar (telecommunications, industrial engineering ...). A PhD in areas related to information technologies for buildings and smart cities (Smart Buildings and Cities) will be an asset. Consolidated experience in participation and coordination of R&D projects related to urban 3D models and technologies. Experience in programming, preferably in web environments (JavaScript / JAVA / HTML / CSS). Presence in international forums in the field of information technologies for buildings and smart cities. Languages: Fluent command of spoken and written English and Spanish. Others: We are looking for a proactive, independent person, with a "can-do attitude", the ability to plan, organize and work as a team and to analyse with a clear focus on results. Likewise, the candidate should be creative, responsible and open to new challenges. Availability to travel. We will value: Publications and participation in high impact Congresses in the field of information technology for buildings and smart cities. Programming skills with tools of energy simulation, acoustics, structural, etc... Knowledge and experience in technologies and tools based on geographic information systems (GIS).

Benefits

Opportunities for professional development, participating in leading digital transformation projects in the construction sector. Collaborations with high-level regional, national and international research groups, especially Europeans. Joining a multidisciplinary, dynamic and enriching team. Life-work balance measures. We will positively value the applications of people with a disability certificate 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).