



Job offer – InSAR Engineer - Barcelona

The Company

SIXENSE, a subsidiary of Vinci Group, provides integrated support to designers, builders, operators and infrastructure owners to help them to successfully deal with monitoring during a project or asset life cycle. With a strong worldwide coverage, today the SIXENSE team has more than 600 experts in >20 offices worldwide.

SIXENSE has a dedicated Satellite Unit with more than 10 years of expertise processing Satellite Radar images to measure millimetre-scale deformation of buildings, infrastructure and the ground surface. SIXENSE's advanced ATLAS InSAR processing chain is in constant development to transform data into actionable information, adapted to project needs. The SIXENSE Satellite team is involved in both operational, R&D and innovation projects worldwide.

Job description

The candidate will be part of the Satellite & Data Solution team, involved in the production of remote sensing services for current and future projects. The main tasks are:

- Processing and analysis of satellite Synthetic Aperture Radar images with the ATLAS processing chain to derive ground and asset deformation.
- Development of algorithms and tools for new applications and methodologies, using artificial intelligence and/or other cutting-edge technologies.
- Participation in R&D studies mainly based on Remote Sensing and Data Science Solutions.
- Participate in internal technical meetings and assist marketing and sales departments for customer responses, as well as interact with different industrial or academic partners to present the results of your work in this context.

The position is based in Barcelona.



Candidate requirements

- Demonstrated knowledge in the field of Remote Sensing with a minimum of 5 years' experience.
- Experience in Synthetic Aperture Radar (SAR) and Optical imagery processing is required.
- Advanced knowledge and programming experience in: Python, C++, MATLAB and/or similar programming language.
- Advanced English is required, excellent written and oral reporting skills in English are mandatory.
- Competence in GIS systems.
- Knowledge in Deep Learning/Machine Learning would be a valued skill.
- French would be a valued skill.
- Comprehension of civil engineering and geotechnics would be a valued skill.
- Ability to manage multiple projects and deadlines.

The ideal candidate

- Organised and precise, willing and capable of performing in a fast-changing environment.
- Curious and eager to expand your capabilities, willing to keep learning and acquiring new skills.
- Focused on deadlines and results.
- Passionate about the discipline, motivated and dynamic, a team player that would appreciate joining a growing international company.

Application

Please send your CV and motivation letter to: satellite@sixense-group.com