

United Kingdom Jobs Expertini®

Junior Geophysicist

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Company: XOCEAN

Location: United Kingdom

Category: other-general

Position: Junior Geophysicist
Qualification: Degree in Geoscience or Geophysics.
Location: Work from home in UK, Ireland, Australia, Canada

About XOCEAN: XOCEAN is an ocean data company – we collect data for clients ranging from mapping the seabed to monitoring the environment. However, we do this differently, instead of using conventional crewed survey ships, we have developed a marine robotic system known as an Uncrewed Surface Vessel (USV).

Overview: This full-time role has you responsible for geophysical data processing, interpretation and reporting over a 40 hour working week. It will provide an opportunity to be at the forefront of the rapidly evolving USV market, in the world-leading over the horizon USV company with a clear career progression. In addition to your salary and the benefits of our remote working arrangements, you will receive your annual leave entitlement; a salary sacrifice pension scheme; access to private healthcare and a yearly bonus scheme dependant on both company and personal performance.

Working as a geophysicist allows you to be in the privileged position to visualise an area of the world not viewed by many people very often. Working for XOCEAN, you have the opportunity to work with several different datasets and integrate all these together to tell the story of that area of seabed. This combined with an understanding of the practical applications used by our clients - for example what a chaotic sediment or rock outcrops mean for an offshore pipe or cable installation; or what an area of mobile sediments means for offshore wind turbine installation or maintenance; or how the sheer extents pUXO around the European coastline affects any subsea developments - produces an excitement to see the real world affects in the theoretical ideas behind data processing. With XOCEAN specifically, we can see these data

types and local applications all around the world from a large fleet of state-of-the-art USVs equipped with our constantly evolving top spec survey grade equipment. This combined with our expansion plans, our mindset of continuous improvement on data quality and the development of our capabilities both on the USV and within the processing team, creates an ambitious and exciting place to be.

Main Duties & Responsibilities

Responsibilities will include:

- Side scan sonar data processing including seabed picking, interpretation, production of mosaic and seabed features
- Shallow SBP (Innomar) processing and interpretation
- Magnetometer data processing
- Report writing and initial quality control of all related geophysical survey data, creating final client deliverables to a high standard
- Production of Seabed Features charts based on SSS, MBES and backscatter data sets
- Liase with the online team during remote data acquisition missions, monitoring of the data being captured using online and offline survey tools
- Liaison with sub-contractors, clients and the wider members of the project team to ensure the aims of the project are met

On occasion this role may involve:

- Support with bathymetry, backscatter and survey navigation data processing
- Support the Geophysical team on development of in-house bespoke software's and future R&D developments
- Implementing, maintaining and updating standard operating procedures and processes appropriate to the role

Requirements: Essential Skills / Attributes and Experience

- Degree in Geoscience or Geophysics
- Knowledge of marine survey data acquisition and processing software's (e.g. Beamworx, Qimera, Chesapeake SonarWiz, Moga Seaview, Oasis Montaj etc.)
- Strong computer literacy with experience in Microsoft

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Personal Qualities we look for are:

- Enthusiasm with a passion for self-improvement;
- Driven & proactive with strong communicative skills;
- Critical thinking with the ability to show initiative;
- To work collaboratively within the team and strongly independently.

Desirable Experience and Qualities

- A Master's degree in a relevant applied Geoscience
- Knowledge of programming (e.g. python) as we continuously develop our in-house bespoke processing softwares

Apply

Applicants must demonstrate how they meet the essential criteria. Desirable criteria may be used for further shortlisting. We thank all candidates for their interest, however due to very high volumes, only those who are selected for further consideration, will be contacted directly. To be eligible for this position you must have a valid working visa / permit to work in Ireland/ UK/ Canada or Australia. Closing date for applications is 7 May 2024. Please apply online and follow the instructions or submit your CV to careers@xocean.com.

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