



*The UK's leading near-surface Geological & Geophysical consultants*

## **Principal & Senior Marine** **Geophysicists**

(Post References: PMG-1-2022 & SMG-1-2022)

Do you want to contribute to a carbon-free future by working with one of the UK's leading geological and geophysical consultants? Our innovative, growing team are now looking for a **Principal** and a **Senior Marine Geophysicist** to work predominantly in the **offshore renewable energy sector**.

Are you technically entrepreneurial and commercially aware? Would you like to work in an environment that offers variety, scientific rigour, and market-leading innovation? Want to join the independently-recognised 'Best-in-Class' consultancy company? Then Reynolds International Ltd could be the perfect fit for you.

### **Who are Reynolds International?**

We're recognised as the UK's leading independent, near-surface geological and geophysical consultancy. Founded in 2009 by our Managing Director, Professor John M Reynolds, we specialise in:

- Near-surface engineering and environmental geophysics
- Offshore wind farm geophysics
- Geohazards, especially glacial hazards.

We've been involved with designing, managing, and/or interpreting some of the most prestigious marine renewable, and engineering and environmental geophysics projects over the last few years. Here are just a few highlights of our Marine Team:

- Managing investigations for ~70 offshore wind farm projects and Export Cable Corridors in UK and European waters, eastern seaboard of the USA, and in Taiwan Strait
- Geological and engineering geophysical investigations for the Morlais Tidal Stream Demonstration Site, Anglesey, UK
- Principal geoscience consultants to the 2.5 GW North Wales Tidal Range Project since 2014
- Over-water surveys for Crossrail and Docklands Light Railway, the Thames Tideway Project, and the London Gateway Project.
- High-resolution sub-estuary tunnel infrastructure projects around the UK.

And that is far from all; we've also designed and managed site surveys for jack-up rig locations, dredging and marine aggregates, airport expansion projects, and geophysical investigations for hydropower dams, underground nuclear repositories, and new nuclear stations, and more besides. We are led by the science and when that is not sufficient, we develop the science, often working with research institutions and universities in the UK and internationally, until we can then apply it to help solve our clients' problems.

# **Why work for Reynolds International?**

## **Because we're pioneers**

We're always pushing boundaries when it comes to new methods of data processing and 3D interpretation and presentation of seismic data for over-water engineering projects. We remain a strong influence on how surveys are conducted for offshore structures internationally. Being the pioneering and leading geophysical consultancy in the marine renewable energy sector, Reynolds International Ltd is the company that others try (but fail) to emulate.

## **Because we're leaders**

We are the go-to near-surface geological and geophysical consultants in the UK and recognised leaders in the offshore renewable energy sector. We have experience of working on over 70 offshore wind farm development projects around the UK and internationally. In addition, we are the principal geoscience consultant to North Wales Tidal Energy Ltd's prospective 2.5 GW tidal range project off the North Wales coast and are playing strategic roles in other major infrastructure projects in the UK.

## **Because we're driven to make a positive change**

We are dedicated to helping the UK and indeed nations worldwide achieve a zero-carbon future. This is what drives us to stay at the leading edge of geological and geophysical consultancy in hydropower and marine renewable energy.

# **What we're looking for in our Marine Geophysicists**

As we mentioned earlier, the successful candidate needs to be entrepreneurial, commercially aware, and dedicated to scientific rigour and innovation, and technically extremely capable. We are a friendly and small but growing team, who pull together to deliver on outstanding projects. Working within this lively environment requires more than a passion for the work but also a good sense of humour.

## **The main responsibilities of both roles of Marine Geophysicist (as applicable) are:**

- Management and leadership and technical oversight of the Marine Team (Principal grade)
- Project Management of the Marine Department's work and reporting to the Directors as required (Principal grade)
- Contribution to and management of technical project work including stand-alone seismic interpretation projects using high-resolution, single- and 2D and 3D multi-channel seismic data, and the integration of hydrographic, geotechnical, and geophysical information into 3D geological Ground Models.
- Delivery of high-quality outputs in a professional, timely manner within agreed budgets.
- Management of the preparation and costing of technical proposals; project budgets; resource requirements; timeframes; quality assurance; forecasting and reporting; monitoring and control; and overall, a high level of service delivery to our clients.
- Review of technical specifications, method statements, and contractor-generated data and reports.
- Presentation of technical results both internally and to clients.
- Technical and editorial checking of technical reports and digital deliverables as appropriate.

- Business development and marketing, including attendance at conferences and trade exhibitions as required.
- Maintenance of awareness of industry best practice, and contractor and competitor capabilities.
- Maintenance of a continuous review of methods and processes to identify and suggest areas of potential improvement.
- Mentoring and coaching support for colleagues – oversight of their interpretation output and contribution to the development of their skills and technical understanding, and career progression.
- Contribution to Research & Development in support of our technical developments both in-house and as a service to clients.
- Maintenance of awareness of developments in the offshore renewables/infrastructure market.
- Proactive involvement in the preparation and delivery of professional training programmes.
- Contribution to the development of suitable internal processes in compliance with ISO 9001 and 14001.
- Willingness to assist with any other work in support of colleagues and the Company.

## Qualifications, Skills and Experience

### *Essential -*

- **Relevant Geophysics or Geoscience degree at PhD level.**
- Experience of significant projects post-PhD working as a **seismo-geological interpreter** on near-surface, high-resolution marine geophysical surveys, or 3D marine geohazard surveys, or similar.
- Proficiency in the interpretation of single-channel and 2D and 3D multi-channel seismic data.
- Proficiency of using IHS Kingdom software or equivalent.
- Awareness of principles of single- and multi-channel seismic data processing using Seismic Unix, Madagascar, ProMAX, RadExPro, *etc.*
- Excellent inter-personal skills.
- Oversight of the technical work and well-being of more junior staff and their career progression
- Excellent written and verbal communication skills in English with a high proficiency in English grammar and punctuation.
- Competence in MS Office software (Word, Excel, PowerPoint).
- Enthusiastic and entrepreneurial mindset, with good commercial awareness.
- Good sense of humour.
- Current right to work in the UK (this will be checked for all applicants interviewed).
- Current driving licence.
- Current passport.

### *Desirable*

- Experience of working within a shallow marine geohazards and/or marine geotechnical survey environment especially for offshore wind farm development.
- Experience in seismic attribute analysis and depth conversion for geological ground models.
- Awareness of the objectives of subsurface investigation for offshore wind farm planning.
- Familiarity with the Quaternary geology within UK coastal waters and the North Sea, eastern seaboard of the USA, or maritime areas in Asia (especially Taiwan, Japan, Philippines, *etc.*).
- Familiarity with marine magnetometry data processing and interpretation methods for cable and pipeline detection and/or Unexploded Ordnance (UXO) detection.
- Awareness of bathymetry and Side-Scan Sonar data processing and interpretation methods.

- Awareness of the integration of geological, geophysical, and geotechnical information for engineering clients.
- Experience of integrating hydrographic/topographic/surface data, borehole, and CPT data (geophysical and geotechnical) with information from other investigations.
- Basic proficiency in the use of Esri ArcGIS and Geosoft Oasis Montaj in subsurface investigations
- Awareness of ALARP UXO risk mitigation strategies.
- Have experience of using graphics software, especially CorelDraw or similar.
- Fellow of the Geological Society of London or equivalent.

## **Location, package, and remuneration for our Marine Geophysicist roles**

Both Marine Geophysicists will be based in Mold, northeast Wales, near Chester, UK. However, there may be occasions when it is necessary to work at other locations within the UK and overseas.

Remuneration will be based on your expertise, experience, and potential, and will be in the ranges of around £43,000-£50,000 (Senior Geophysicist II), and around £48,600-£61,000 (Principal Grade), subject to negotiation.

A tax-free Relocation Allowance will also be available should you need to move to the area from outside North Wales or northwest England (west Cheshire/Wirral).

The start date is in spring **2022** or as soon thereafter.

## **What is Mold in Wales like?**

The small market town of Mold is bucking the economic trend and has a thriving high street and lively twice-weekly outdoor market (website: [www.totallymold.org.uk](http://www.totallymold.org.uk)). It nestles in the Alyn Valley surrounded by hills and Areas of Outstanding Natural Beauty and Wales's latest National Park. Its Theatr Clwyd is one of the best regional theatres in the UK and the larger shopping areas associated with Chester and Wrexham are easily accessible.

The international airports of Liverpool and Manchester are both within 45 minutes' drive of our office in Mold. London can be reached by train from Chester in just over 2 hours. The area hosts all the sporting amenities anyone could want and, if mainstream city life is your thing, central Manchester and Liverpool are only an hour's drive away.

## **How to apply**

If you are interested in working in a small but growing, lively, and dynamic consultancy that punches above its weight and leads its chosen fields, then please send us the following to submit your application:

- 1) A detailed covering letter explaining why you should be considered for either of these roles
- 2) A copy of your current CV
- 3) Your annual starting salary expectation.

Email the above three documents to our office manager, **Mrs Deborah Lee** at **info@reynolds-international.co.uk**.

The closing date is **Monday 24<sup>th</sup> January 2022** for applications.

Reynolds International Ltd is an equal opportunity employer and you are welcome to read through our recruitment procedures and associated privacy policies — just let us know when you send in your application, and we will send you the relevant documents.

If you do not receive a response from us within four weeks of your application, then your application has not been successful.

Selected candidates will be called for interview, which will be during February 2022.

If you would like to find out more about Reynolds International Ltd, please visit [www.reynolds-international.co.uk](http://www.reynolds-international.co.uk).



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