

JOB DESCRIPTION

PRINCIPAL GEOTECHNICAL ENGINEER

JOB TITLE	Principal Geotechnical Engineer		
JOB REFERENCE	REC-RYD-51		
DEPARTMENT	Engineering	LINE MANAGER	Engineering Director

ABOUT RYDER

RYDER is a leading provider of offshore and subsea analysis services for the global offshore energy markets. They are an award-winning subsea engineering consultancy, with a focus on finite-element analysis (FEA) for the offshore wind and oil & gas sectors. Since opening their first office in 2015 they have fostered a modern culture for an engineering consultancy. They combine traditional engineering with cutting-edge software to help de-risk offshore projects through advanced simulation and analysis, performed by our experienced team of engineers, researchers, and software developers.

RYDER is part of Tekmar Group. Tekmar Group works together to provide leading technology and services to the Global Offshore Energy markets. Their primary operating companies include Tekmar Energy Limited (including Tekmar China), RYDER, and Pipeshield International.

Tekmar Group plc and Tekmar Energy are head-quartered in Newton Aycliffe; with the other businesses located in, Newcastle, Lowestoft, and China, and with presences around the world.

We understand the importance of meeting global energy demand through a sustainable energy mix, therefore, deliver our technology and services across multiple offshore energy sectors. Tekmar Group operates from 17 locations across 12 countries in Europe, Africa, Middle East, Asia Pacific, and North America.

KEY RESPONSIBILITIES

- Support the Engineering Director and lead team in the preparation of geotechnical studies, designs, and reports, predominantly associated with subsea structures.
- Maintain time and project records and manage budgets and junior team members.
- Conduct, review, supervise, and issue data assessments and geotechnical analyses.
- Client liaison and lead in the preparation of geotechnical study reports.
- Review and keep a working knowledge of up-to-date design specifications and standards.
- Develop and manage in house design principles and methodologies to ensure consistency across projects.
- Assist in the technical and commercial management and planning of the business.
- Proactively develop technical skills in accordance with the needs of the job and the agreed personal development plan.
- Carry out business development activities and develop the subsea structures division within Ryder.
- Takes senior management responsibility for ensuring team and company compliance with HSEQ.
- Actively participate and lead by example in the Company's Quality and HSE Systems and Procedures.
- Upkeep and ownership of your continued professional development including attendance at conferences, publishing works, presenting, and attending training courses.
- Line management responsibility for team.
- You will be expected to lead projects supporting junior staff, offering internal training opportunities where appropriate, and performing staff reviews and appraisals.
- The Principal Geotechnical Engineer is recognised as a qualified practitioner putting academic training into practice and progressively developing marine geotechnical expertise under the guidance of more experienced staff, and training less experienced staff, within the team and within the wider organisation.

PERSON SPECIFICATION	MANDATORY	DESIRABLE
KNOWLEDGE AND EXPERIENCE		
Working knowledge of ArcGIS, Global Mapper, and proprietary software for geotechnical analysis, such as PLAXIS, GIS, GRL WEAP.	X	
Demonstrable experience working in a geotechnical engineering environment in the offshore sector, expected 10 years' experience minimum with particular focus on seabed infrastructure.	X	
Good working knowledge of ground investigation, geotechnical engineering, and geological processes.	X	
Experience of offshore geotechnical design, including soil-structure integration, jack up leg penetration assessment, trenching assessments, Cable Burial Risk Assessment (CBRA).	X	
Able to lead projects for conception to completion, with client liaison, project planning, team and financial management.	X	
Active participation and membership of a professional organisation such as the Institution of Civil Engineers, Geological Society, Society for Underwater Technology.		X
SKILLS AND QUALIFICATIONS		
Degree in Civil Engineering or Geology, or closely related subject supported by further academic study or practical experience in geotechnical engineering or engineering geology in the offshore sector.	X	
Chartership or evidence of progression towards chartership		X

VISION, MISSION & VALUES

VISION

To enable the world's energy transition, reflecting our responsibility to future generations.

MISSION

We provide innovative engineering solutions and products for the global offshore energy market.

VALUES & BEHAVIOURS



WORK TOGETHER

We foster teamwork without boundaries to ensure the best results are delivered in an environment where people feel empowered, safe, trusted, confident and inspired to develop.



DO THINGS RIGHT

We take a united approach towards Safety, Quality and Delivery. We lead by example and constantly find ways to raise standards. We challenge the norm and have courage to stand up for what is right.



BREAK THE BOUNDARIES

We collaborate with our customers and constantly look for ways to develop our technology and services to make today's impossible tomorrow's deliverables.

