

JOB DESCRIPTION

SENIOR ANALYSIS ENGINEER

JOB TITLE	Senior Analysis Engineer		
JOB REFERENCE	JD-2024-SAE		
DEPARTMENT	Engineering	LINE MANAGER	Head of Subsea Engineering

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; London, 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

- Work as part of the project team to identify customer analysis requirements and develop solutions to engineering problems.
- Lead and monitor analysis on live projects.
- Contribute towards the ongoing continuous improvement of analysis techniques.
- Line management, coaching/mentoring, and development of analysis engineers.
- Writing and reviewing client proposals – recognising client requirements and identifying the most appropriate analysis to meet their needs.
- Preparing and reviewing analysis input data – liaising with clients and the analysis team to ensure the most appropriate data is available and utilised.
- Building and developing analysis models and methodologies
- Reviewing and checking orcaflex analysis models built by other engineers.
- Running simulations and interpreting results.
- Writing and reviewing reports.

PERSON SPECIFICATION	MANDATORY	DESIRABLE
KNOWLEDGE AND EXPERIENCE		
3+ years OrcaFlex	X	
Scripting languages (i.e. Python)	X	
Experience leading analysis scopes and liaising with clients		X

RAO derivation		X
Mooring analysis		X
Subsea engineering		X
Offshore windfarms		X
Subsea umbilicals, riser and flowlines (SURF) and or power cables		X
SKILLS AND QUALIFICATIONS		
Degree in a technical Engineering subject	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

Collaborating with our stakeholders, we will deliver robust, sustainable technology and services utilising our talented and diverse team that will enable the Group to grow significantly and profitably.

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.

