

## Job Description

<b>Job Title</b>	Senior Analysis Engineer		
<b>Job Reference</b>	JD-006-TEL (Senior Analysis Engineer) March 2023		
<b>Department</b>	Engineering	<b>Line Manager</b>	Engineering Design Manager
<b>Job Purpose</b>			
<p>Tekmar Energy are pioneers in the Offshore Wind Industry and have a reputation for delivering technical solutions to a wide range of subsea asset protection applications. <b>Working for Tekmar Energy</b>, the Senior Analysis Engineer will be pivotal in the delivery of dynamic analysis and finite-element analysis services for the Offshore Wind and Oil &amp; Gas Sectors.</p> <p>Working as part of the Engineering Team, the Senior Analysis Engineer will be involved in identifying customer analysis requirements, developing solutions to engineering problems as well as leading and monitoring analysis on live projects and contributing towards the ongoing continuous improvement of analysis techniques. Professional experience and knowledge of OrcaFlex, Ansys or Abaqus will be used to perform and develop analysis techniques as well as being shared and used to mentor and develop junior Engineers.</p>			
<b>Key Responsibilities</b>			
<p>The role will strengthen the Engineering Department and duties will include, but not be limited to the following:</p> <ul style="list-style-type: none"> <li>• Work as part of the engineering team to identify customer analysis requirements and develop solutions to engineering problems.</li> <li>• Lead and monitor analysis on live projects to ensure key deliverables met on time.</li> <li>• Contribute towards the ongoing continuous improvement of analysis techniques.</li> <li>• Line management, coaching/mentoring, and development of analysis engineers.</li> <li>• Writing and reviewing client proposals – recognising client requirements and identifying the most appropriate analysis to meet their needs.</li> <li>• Preparing and reviewing analysis input data – liaising with clients and the analysis team to ensure the most appropriate data is available and utilised.</li> <li>• Building and developing analysis models and methodologies.</li> <li>• Reviewing and checking OrcaFlex analysis models built by engineering team.</li> <li>• Running simulations and interpreting results.</li> <li>• Writing and reviewing reports.</li> <li>• Attendance and presentation at relevant conferences.</li> </ul>			

PERSON SPECIFICATION	Mandatory	Desirable
<b>Knowledge and Experience</b>		
5 years' experience in the use of Orcaflex	X	
Scripting languages (e.g. python)	X	
Experience using design FEA analysis tools such as ANSYS, Abacus,	X	
Mooring analysis and geotechnical analysis		X
Experience of Subsea engineering within Offshore wind farms		X
Experience of Subsea umbilicals, riser, flowlines (SURF) and/or power cables		X
<b>Skills and Qualifications</b>		
<ul style="list-style-type: none"> <li>Mechanical Engineering Degree – BEng, MSc or equivalent.</li> </ul>	X	
<ul style="list-style-type: none"> <li>Member of an Engineering body – IMechE, or similar.</li> </ul>		X
<b>Behavioural Competencies</b>		
<ul style="list-style-type: none"> <li><b>Leadership and decision making</b> – takes accountability; self-starter using initiative, decisive and convincing; motivates, empowers, and provides clear direction.</li> </ul>	X	
<ul style="list-style-type: none"> <li><b>Interpersonal skills</b> – effectively communicates and interacts at all levels, including customer based – understanding customer needs and able to communicate with the organisation.</li> </ul>	X	
<ul style="list-style-type: none"> <li><b>Supporting and co-operating</b> - works well with people; collaborator, builds trust; upholds and promotes Tekmar's values and principles.</li> </ul>	X	
<ul style="list-style-type: none"> <li><b>Interacting and presenting</b> – builds relationships with key stakeholders (internally and externally); ability to influence, persuade and negotiate; confident presenter and strong communicator.</li> </ul>	X	
<ul style="list-style-type: none"> <li><b>Organising and executing</b> – planning and organising through monitoring of clear objectives; customer orientated, and results driven; complies with company policies and procedures to ensure the job is done.</li> </ul>	X	
<b>Our Vision, Mission &amp; Values</b>		

**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**

