

## JOB DESCRIPTION

<b>Job Title</b>	<b>Naval Architect (minimum 2 years' experience)</b>
<b>Location:</b>	<b>London/Hybrid</b>
<b>Reports to:</b>	<b>Principal Naval Architect</b>
<b>Overview of Role:</b>	
<p>Working as part of the analysis team alongside 3 others, undertaking analyses for other departments, as well as specific projects.</p> <p>The disciplines the team specialise in are hydrodynamics, structural analysis and fatigue.</p> <p>The role involves concept and design work through to analysis of existing structures, deriving operating limits and assessing failures.</p> <p>A proactive problem-solving engineer, keen to learn and absorb new skills.</p>	
<b>Key Responsibilities and duties:</b>	
<ul style="list-style-type: none"><li>• Ability to interpret and understand client requirements and develop scopes</li><li>• Calculate and give advice/assistance in assessing vessel performance (motions/stability/strength)</li><li>• Conduct and check calculations</li><li>• Interface with various Classification societies to understand requirements</li><li>• Interpret class rules and regulations</li><li>• Working to deadlines with good time management and understanding of deliverables</li><li>• Present calculations/work to clients and write technical reports</li><li>• Ensure that all design work is performed, reviewed, checked and approved in accordance with the engineering procedures or when specified to a Project Quality Plan</li><li>• Ensure that all work is carried out in accordance with Company Quality Control procedures</li><li>• Ensure the maintenance of a filing system directly related to the work undertaken by the Naval Architects</li><li>• Any other relevant duties as required from time to time</li></ul>	
<b>Desirable skills/experience:</b>	
<ul style="list-style-type: none"><li>• Good understanding of hydrodynamics, simple dynamic systems and stochastic analysis methods</li><li>• A well-developed understanding of the fundamentals of structural design</li><li>• Experience in dynamic time domain simulations using Orcaflex or equivalent</li><li>• Work as a part of a team as well as independently</li><li>• Some familiarity with fatigue analysis</li><li>• Experience in deriving limits for offshore operations</li><li>• Good report writing skills, able to communicate in a clear and concise way</li><li>• Having insight to know when models and simulations are not performing as expected</li><li>• Able to interpret calculations to ensure that the results are realistic</li></ul>	
<b>Desirable software experience (or equivalent)</b>	
<ul style="list-style-type: none"><li>• Orcaflex</li><li>• ANSYS</li><li>• Python</li><li>• Excel</li></ul>	

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### **Qualifications & Accreditations:**

- Essential: BEng (Hons), MEng or MSc (or equivalent) in Naval Architecture or other relevant subject (minimum Class 2:1/Distinction (or equivalent foreign awarding academic body)
- Preferred: Associate Member of the Royal Institution of Naval Architects or similar marine related professional body

### **Job Specific Requirements**

- Attending the office 1-2 days per week (hybrid working model)
- Ability to travel in the UK and overseas at short notice

July 2023