

<b>JOB TITLE:</b> Hazard and Risk Specialist	<b>REPORTS TO:</b> Hazard and Risk Department Manager
<b>DIVISION/DEPT:</b> AEC – Hazard and Risk	<b>LOCATION:</b> Houston, Texas

<b>Role Purpose</b>
<ul style="list-style-type: none"> <li>Responsible for conducting hazard and risk assessments analysis of all types of onshore and offshore systems and preparation of reports and other project documentation.</li> <li>Project work will include all phases from concept select, through detailed design and installation to commissioning.</li> </ul>

<b>Key Accountabilities</b>
<ul style="list-style-type: none"> <li>Perform and support consequence modeling, Quantitative Risk Analysis (QRA), Escape, Evacuation, Rescue Analysis (EERA)</li> <li>Scribe Hazard Identification meetings such as HAZID, HAZOP, Layer of Production Analysis (LOPA)</li> <li>Perform SIL review and SIL validation calculation</li> <li>Excellent written and verbal communication skills are required</li> <li>Act as project engineer on small hazard and risk related projects</li> </ul>

<b>Role Dimensions</b>	
<b>Financial (budgetary control etc.)</b>	<b>Non-financial (staff management etc)</b>
None	None

<b>Person Specification</b>	
<b>Competency Requirements</b>	<b>Technical / Professional Expertise Required</b>

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| <ul style="list-style-type: none"><li>• Familiar with the Hazard and risk assessment and management, including QRA's, ERRA, ESSA HAZIDS,HAZOPS, BOWTIE, LOPA, SIL, Performance Standards</li><li>• Familiar with the operation of offshore and onshore facilities</li><li>• Good interpersonal skills with ability to interface with engineers, supervisors, clients and vendors</li><li>• Ability to work independently with general supervision</li><li>• Good communications skills, both verbal and written</li><li>• Excellent work ethic and good work attitude</li><li>• Requires dedication to quality</li></ul> | <ul style="list-style-type: none"><li>• Minimum BS degree in engineering (Chemical I, Mechanical, or equivalent discipline) MS preferred with a minimum of 5 years experience in Hazard and Risk analysis.</li><li>• Safety engineering experience beneficial.</li><li>• Licensed PE preferred or ability to obtain PE.</li></ul> |
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