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

### Role Purpose
- Responsible for conducting hazard and risk assessment analysis of all types of onshore and offshore systems and preparation of reports and other project documentation.
- Project work will include all phases from concept select, through detailed design and installation to commissioning.

### Key Accountabilities
- Perform and support consequence modeling, Quantitative Risk Analysis (QRA), Escape, Evacuation, Rescue Analysis (EERA)
- Scribe Hazard Identification meetings such as HAZID, HAZOP, Layer of Production Analysis (LOPA)
- Perform SIL review and SIL validation calculation
- Excellent written and verbal communication skills are required
- Act as project engineer on small hazard and risk related projects

### Role Dimensions
<table>
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<tr>
<th>Financial (budgetary control etc.)</th>
<th>Non-financial (staff management etc)</th>
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### Person Specification
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<th>Competency Requirements</th>
<th>Technical / Professional Expertise Required</th>
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- Familiar with the Hazard and risk assessment and management, including QRA’s, ERRA, ESSA HAZIDS, HAZOPS, BOWTIE, LOPA, SIL, Performance Standards
- Familiar with the operation of offshore and onshore facilities
- Good interpersonal skills with ability to interface with engineers, supervisors, clients and vendors
- Ability to work independently with general supervision
- Good communications skills, both verbal and written
- Excellent work ethic and good work attitude
- Requires dedication to quality

- Minimum BS degree in engineering (Chemical, Mechanical, or equivalent discipline) MS preferred with a minimum of 5 years experience in Hazard and Risk analysis.
- Safety engineering experience beneficial.
- Licensed PE preferred or ability to obtain PE.