

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

Role Purpose
<ul style="list-style-type: none"> Responsible for conducting hazard and risk assessments 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
<ul style="list-style-type: none"> Perform and support consequence modeling, Quantitative Risk Analysis (QRA), Escape, Evacuation, Rescue Analysis (EERA) Facilitate 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 and lead hazard and risk engineer on major projects Assist in proposal development as required

Role Dimensions	
Financial (budgetary control etc.)	Non-financial (staff management etc)
None	None

Person Specification	
Competency Requirements	Technical / Professional Expertise Required

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| <ul style="list-style-type: none">• 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 minimum supervision• Good communications skills, both verbal and written• Excellent work ethic and good work attitude• Requires dedication to quality | <ul style="list-style-type: none">• Minimum BS degree in engineering (Chemical I, Mechanical, or equivalent discipline) MS preferred with a minimum of 8 years experience in Hazard and Risk analysis.• Safety engineering experience beneficial.• Licensed PE preferred or ability to obtain PE |
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