

Technical Safety Engineer

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Company: Wood

Location: United Arab Emirates

Category: healthcare-practitioners-and-technical

Wood has been awarded a major project with ADNOC and, we are looking to hire a **Technical Safety Engineer** to be based at our Abu Dhabi Engineering Center.

The job requires excellent design safety expertise to carry out HSE-related activities for oil & gas projects. The Technical Safety Engineer will be expected to take complete technical responsibility for their design and guide the team of designers in the day-to-day execution of the project activities.

Fully responsible for engineering solutions to produce detailed designs and specifications.

Being accountable for the quality of Technical Safety deliverables.

Ensure that all project Health, Safety and Environmental policies are complied with.

Ensure that the design meets all Technical Safety requirements and maintains risks to as low as reasonably practicable.

Achieving project completion to the project specifications on schedule.

Participating in project HAZOP, HAZID, SIL studies, and other safety workshops when required and experience in coordinating HAZOP, HAZID, SIL Classification studies and other HSE workshops.

Defining safety philosophies and fire, spill & gas detection philosophies.

Firewater and foam demand calculations.

Performance of Fire Water Hydraulic modelling using PIPENET or similar

Firewater and foam network design, including siting of hydrants and monitors.

Active fire protection system design (deluge system & foam system) for hazardous equipment.

Hydraulic analysis of firewater and foam network.

Preparation of Fire Fighting System P&IDs.

Hazardous area Classification.

Defining Fire Proofing requirements for critical structures, equipment supports & pipe racks in the plant.

Performing layout Analysis and defining the Inter-distance requirement between equipment.

Preparation of Escape route, safety signs and safety Equipment Layout.

Preparation & Coordination of Vendor related activities such as Supply Specifications, RFQ, MTOs, and datasheets for safety, life-saving and firefighting equipment.

Actively maintains own competence according to standards and pursues continuous professional development.

Self-awareness of relevant regulatory framework, legislation changes, initiatives, and industry technology development

Strong commitment to safety

Bachelor or equivalent degree in Chemical / loss prevention / environmental

Minimum of 5 years relevant experience in the oil and gas industry

Experience of working on concept, FEED and EPC project phases

Experience of working with multi-national and multi-cultural project teams is strongly preferred

Expert knowledge of regulatory framework and associated legislation, international codes and standards

Previous experience of working in the Middle East would be an advantage

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