



Position Description

Position Title: Senior Project Engr (Pull-in System, RUPS)	
Organizational Unit: Project Engineering (Pull-in System, RUPS) Services	Department:
Reports to: Project Manager	Date Prepared/Revised: August 30, 2024
Position Code:	Job Category: Engr
Salary Grade:	Location: Nigeria/International

Service Type: Project Engineering (Pull-in System, RUPS) services

Service Description:

- Ensure all riser and umbilical pull-in system engineering, construction, and installation activities comply with HSSEQ (Health, Safety, Security, Environment, and Quality) standards, promoting a safety-first culture on-site.
- Enforce Shell and IOGP (International Oil and Gas Producers) HSE (Health, Safety, and Environment) policies and procedures at Company worksites.
- Participate in multi-disciplinary Detailed Engineering Design for the project, focusing on riser and umbilical pull-in systems and related appurtenances.
- Ensure technical assurance of riser and umbilical pull-in system deliverables during the Detail Design phase, including managing all interfaces with other disciplines.
- Manage technical queries across design, procurement, fabrication, and installation phases, including overseeing any necessary qualification and testing.
- Oversee interfaces with FPSO, umbilical systems, and related equipment to ensure seamless integration and operation.
- Conduct and lead intra and multi-discipline technical reviews, including HAZIDs, HAZOPs, Constructability Reviews, Human Factor Engineering Reviews, and Reliability, Availability, and Maintainability Studies.
- Ensure that all engineering work is completed and verified in accordance with project quality procedures and standards.
- Review, critique, verify, and approve analysis and design of riser and umbilical pull-in systems, serving as an in-house subject matter expert (SME) familiar with relevant analysis methods and tools.
- Apply knowledge of applicable industry codes and Shell requirements to ensure the safe design and operation of riser and umbilical systems, working collaboratively with other disciplines.
- Collaborate effectively with engineering houses and other Community of Practice (CoP) Engineering disciplines to ensure project alignment and knowledge sharing.
- Demonstrate personal commitment to Company's HSSE objectives and motivate the team to prioritize HSSE in all activities.
- Provide engineering input on alternative installation techniques proposed by the Contractor, ensuring they meet project specifications and safety standards.
- Witness site activities including Site Receipt Inspection, Factory Acceptance Test, Systems Integration Test and confirm compliance with the approved procedure.
- Manage the HSSE performance of contractors during installation, ensuring HSSE targets are met or exceeded. Act as the HSSE champion during offshore installation activities, providing visible and proactive leadership to achieve Goal Zero.
- Provide technical support in preparation for riser and umbilical installation and offshore operations, including:



- Reviewing the strength capacity and design of FPSO Hull Interfaces for the Riser and Umbilical Pull-in Systems, including pull-in lugs, porches, i-tubes, and pull-in sheaves.
- Reviewing and approving installation procedures and method statements for risers and umbilicals to ensure safe and efficient execution.
- Liaising with the Quality Assurance discipline to ensure alignment between QA/QC requirements and technical specifications.
- Liaise with Company's Lifting and Hoisting SME (Subject Matter Expert) to review lift plan, rigging register and support safe lifting operations.
- Responsible for safe, timely and efficient execution and drive progress of work scope based on project schedule.
- Work with Contractor to ensure quality issues are properly identified, documented, reported and timely dispositioned.
- Author and deliver daily, weekly, and monthly status, progress, and site reports.
- Liaise with internal stakeholders i.e., Quality, HSE, project control, engineering disciplines, planning, etc. to ensure adequate support for project execution.
- Log and track lessons Learned during the detailed design and manufacturing activities within the Package.

Requisite Qualifications:

- Minimum of 10 years of work experience, with at least 8 years of relevant experience directly related to riser and umbilical pull-in systems within an upstream Deepwater or similar environment.
- Bachelor's degree in civil, Mechanical, Subsea Engineering, or a related discipline, with professional registration.
- Proficient in analysis techniques for offshore pipeline and riser construction.
- Hands-on experience in offshore pipeline design, installation engineering, and project engineering.
- Proficient in specialized engineering software such as Orcaflex, Shear7, Offpipe, Abaqus, or Pipelay.
- Strong understanding and application of relevant industry standards and codes (e.g., DNV, API, ASME).
- Knowledge of manufacturing processes, including fabrication, machining, and mechanical systems.
- Strong understanding of project-specific requirements, design analysis, and technical documentation.
- Competent in using MS Office tools or equivalent software for documentation and reporting.
- Ability to effectively communicate, interface, and collaborate with a multi-disciplinary team of professionals located globally.
- Demonstrated ability to influence stakeholders and drive project objectives.
- Knowledge of personal and process safety, with the ability to apply these principles in an offshore project environment.
- A strong commitment to Health, Safety, Security, and Environmental (HSSE) standards, ensuring compliance with company and industry regulations.

Disclaimer

This position description indicates the general nature and level of work expected of the incumbent. It is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities required of the incumbent. Incumbent may be asked to perform other duties as required.

Send resume and application to: wpq.hr@westpac.com