



THAI NIPPON STEEL ENGINEERING & CONSTRUCTION CORPORATION LTD.

## Senior Structural Engineer (Offshore)

**Department:** Engineering

### Responsibilities:

- Able to lead small to medium offshore structural EPC project (both green field/brown Field) and responsible for specifications, planning, scheduling, technical execution, budget and quantity control, material requisitions, manpower planning and progress reporting.
- Performs a variety of structural engineering work for offshore oil and gas projects, including conceptual studies, FEED, estimates, and Detailed Engineering including Construction Drawings, Structural Analysis & Reports, with due consideration for applicable codes & standards maintain the required technical quality of work.
- Preparing specification & structural design criteria applicable for offshore loading conditions including empty, operating, test, dynamic, fatigue, wind, seismic, blast, lifting, transportation & etc.
- Responsible for designing complex deliverables such as spectral fatigue, seismic, engineer vibration, collapse/pushover analysis, boat impact, etc.
- Participate in Hazop and safety review meetings, attend project review & 3D model review meetings as required Interface with all disciplines to develop a clash free design.
- Review of MTO and Material Requisitions including vendor documentation review & technical evaluation.
- Technical reviews of engineering consultant output where the work is subcontracted.
- Able to go for offshore site survey as required.

### Qualifications:

- Bachelor's Degree in Civil Engineering or Master's Degree in Structural Offshore Engineering is preferred.
- Minimum 10 years experience in offshore structural analyses & designs within the Oil and Gas industry, Engineering company, EPCI contractor.
- Experience in designs & analyses for jacket and topside on the Pre-service analyses (e.g. loadout/skidding, transport, lift/launch, floatation & upending, on-bottom stability, pile driveability) & In-service analyses (e.g. In-place, fatigue, seismic, pushover, ship impact).
- Experience with structural 3D model review software e.g. Navisworks Freedom & TEKLA.
- Experience with offshore structural design codes & standards i.e. API, AISC, EUROCODE, ISO and DNVGL.
- Experience with installation engineering designs e.g. Grillage & sea-fastening design, rigging design, Spreader bar calculations, Lifting Lugs or trunnion Calculation & etc.
- Registered as a Civil Professional Engineer (PE) under Engineering Institution of Thailand with Associate Engineer License. Professional Engineer License is preferred.
- Strong management, communication skill and interpersonal skills to interface with multiple engineering disciplines, clients and project team. Ability to multi-task, prioritize and work in an extremely fast-paced environment.

### Contact US:



+66(0)2755 2800 Ext.3225, 3401



tnsrecruit@thainippon.co.th