

ROLE DESCRIPTION

Job Role:	Naval Architect/ Shipping Project Team Lead		
Job Level:	Work Location:	Department:	Employment Status:
HBR Grade:	Indonesia	Andaman	Employee Fixed Term National (Indonesian)
Purpose of Role:	<p><i>Brief summary statement including why the role is needed and what it should achieve</i></p> <ul style="list-style-type: none"> As member of Andaman Project team, responsible for integrity management covers design, construction, installation, inspections, and repairs of a sizeable floating production facility to ensure is safe and has good operational performance. Responsible for leading delivery of naval architecture engineering associated with the delivery of the Andaman Floating Facilities including turret and mooring. And ensure the facility meet the specified Class and all applicable regulation Management of the planning, set up, execution, monitoring and control elements across the naval architecture activities. During delivery of those activities, the role shall ensure a safe working environment, compliance with and adherence to company standards and approved systems, and ensure delivers a safe and optimum project delivery of the naval architecture elements in compliance with charter party obligations. The role is potentially needed in 2024 		
MAE*/MATTE* and HSE* Critical Responsibilities:	<p><i>Outline the HSE/Safety Critical responsibilities of the role</i></p> <p>Ensure that all activities are carried out in a safe manner complying with all regulatory requirements, legislation and Harbour Energy HSEQ procedures</p> <ul style="list-style-type: none"> With wider Harbour Energy team, responsible of ensuring MAE/MATTE are identified in concept and FEED activities and minimising as appropriate through facility design. Particularly focus on MAE/MATTE related to the hull and station keeping system, including: <ul style="list-style-type: none"> Hull structural integrity and stability Cargo management systems Offloading systems Turret and Mooring system 		
Areas of Accountability, Responsibility and Competence Level:	<p><i>Detail the key accountabilities and desired output of the role, highlighting scope and breadth of role</i></p> <ul style="list-style-type: none"> Assure all floating facilities (hull, mooring, turret, etc.) comply to the relevant company specifications, international codes & standards, local statutory regulations, and respecting the local content requirement Provide technical expertise of floating facility aspects aspect for the company. Assure all deviations / anomalies are addressed and properly managed. Responsible for working within the provisions and guidelines of company QHSES Assurance system. Assure all relevant contracts are provided and properly managed. Liaise with SKKMIGAS and other Government authorities for budget approval and technical issues related with pipeline aspect. Develop standard procedure, recommended practice and guideline regarding inspection, maintenance, modifications or repair of pipeline system for the company. Assess project requirements and evaluate contractor's delivery capability and risks. Provide engineering solutions, technical and commercial guidance, support and project management for studies, refits, repairs, life extensions of redeployment opportunities or donor conversions. 		

	<ul style="list-style-type: none"> • For the core naval architecture scope the following competences should be demonstrated: <ul style="list-style-type: none"> ○ Producing/reviewing intact and damaged stability calculations, hydrodynamic analyses, and structural analyses for floating infrastructure. ○ Knowledge of regulations of classification societies and intergovernmental organisations (i.e. International Maritime Organisation), to assess aspects of design such as strength, stability and lifesaving to understand and manage risks related to ships/marine structures • If combined with turret and mooring role, the following competence must be demonstrate: <ul style="list-style-type: none"> ○ Undertaking the design, from concept through FEED to detailed design of turret mooring system and/or spread-moored systems for the floating infrastructure ○ Designing and analysing subsea flexibles (risers, umbilicals and power cables) for floating infrastructure. • Ensure work is carried out in accordance with Harbour Energy HSES policies, framework documents and procedures. Supports project’s progress through stage gate process and Functional reviews. • Regular follow up on the status of project engineering and drive any required mitigation plans to achieve both cost and schedule requirements. • Ensures project is completed in accordance with industry standards and Indonesian regulations • To provide coaching to the other national employees. 	
<p>Key Personal Attributes: (Refer to Appendix 1 for guide. Select top 5 as appropriate.)</p>	<input checked="" type="checkbox"/> Communication and Influence <input checked="" type="checkbox"/> Accountability, Decision Making and Judgement <input checked="" type="checkbox"/> Teamwork <input checked="" type="checkbox"/> Leadership and Supervision <input type="checkbox"/> Coaching	<input checked="" type="checkbox"/> Adaptability/Flexibility <input type="checkbox"/> Conflict Prevention <input checked="" type="checkbox"/> Problem Solving <input type="checkbox"/> Results Orientation <input checked="" type="checkbox"/> Promotes Harbour Energy’s Core Values and Business Principles
<p>Critical Skills* Qualifications Experience, etc.: (* Indicate either preferred or essential.)</p>	<ul style="list-style-type: none"> • Bachelor’s degree in Naval Architecture or related Engineering • Extensive experience in naval architect in oil & gas industry • Possess thorough understanding of offshore structure and floating production facility (FPSO/FSO, semi- submersible) including mooring system and its components • Familiar in pipeline material and relevant software. • Knowledge of international design codes for pipelines (ASME B31G, B318, ASTM Standard, etc.), flexibles flow lines, subsea developments of relevant regulations. • Experience in working in shipyard is a preferred. • Experience in FEED / EPCI project for offshore floating facilities • Understanding of the materials and corrosion issues associated • Fluent in English (written and spoken) • Experience in role working with FPSO contractors, engineering contractors, marine operations contractors and vessel operators and owners. • Knowledge of wide range of applicable engineering disciplines and their interaction in an FPSO / floating systems context. • In-depth knowledge of detailed engineering and design of naval architecture for floating infrastructure projects. Experience of using hydrodynamic analysis, mooring / riser dynamic analysis and trim / stability software packages.* • Ability to write specifications and scopes of work. • Proficient in Ms. Office and other naval architecture tools/software • Fluent in English (written and spoken) 	

Reports to:	• Engineering Lead			
Signatures: (Print form, sign and date.)	Employee Signature	Click or tap to enter a date. Date	Manager Signature	Click or tap to enter a date. Date
* Abbreviations: HSE Health, Safety and Environment MAE Major Accident Event MATTE Major Accident to the Environment				
Last Reviewed or Updated:	Click or tap to enter a date. Date			

APPENDIX 1 KEY PERSONAL ATTRIBUTES

COMMUNICATION AND INFLUENCE

Understands the value of clear, well thought out communication and active listening, coupled with honest and respectful responses to achieve positive outcomes and maintain productive relationships.

ACCOUNTABILITY, DECISION MAKING AND JUDGEMENT

Understands that part of business success is a result of individual and collective decision-making, based on sound judgement, competency and integrity.

Willing to accept responsibility for their actions and executes work in an honest and respectful way that materially influences how Harbour Energy and its employees are perceived by stakeholders.

Recognises the importance of fact over opinion and that the best solution may not always be the most obvious.

TEAMWORK

As a team member, displays a consultative, non-territorial and collegiate approach that promotes trust and support.

As a manager, recognises that caring passionately about the welfare and wellbeing of their people as much as the business itself delivers and sustains a positive team dynamic, commitment, team spirit, pride, trust and group identity.

LEADERSHIP AND SUPERVISION

As a leader, develops a broad understanding of Harbour Energy's Core Values and Business Principles. Recognises opportunities and threats, industry trends, emerging technology and displays initiative, energy and commitment in carrying out Harbour Energy's Core Values through inspiration, an active coaching style utilising appropriate resources and a safe proactive culture.

As a supervisor, has clarity of purpose to successfully influence and focus the team on the safe achievement of the planned objective utilising effective planning and appropriate resources.

Ensures that the right information is provided at the right time to promote excellent decision making; takes advantage of the collective expertise of team members to undertake and deliver the work; encourages knowledge exchange within the team; helps decide where to invest critical resources; links long-range visions and concepts to daily work tasks.

COACHING

Recognises and supports the notion that 'their success is my success' and that investing in coaching time is advantageous for both Harbour Energy and the development of individuals.

CONFLICT PREVENTION

Takes proactive and timely steps to prevent situations that could otherwise result in unnecessary confrontations and negatively affect the ability to work together in a positive and constructive manner.

ADAPTABILITY/FLEXIBILITY

Copes under pressure and views adaptability and flexibility as positive attributes

PROBLEM SOLVING

Possesses the ability to carefully and systematically tackle a problem in a timely fashion, utilising a logical approach to deliver a safe and economical outcome.

RESULTS ORIENTATION

Takes active responsibility for the achievement of collective and personal goals and objectives within agreed timeframes within the framework of Harbour Energy's Core Values and Business Principles.

PROMOTES HARBOUR ENERGY'S CORE VALUES AND BUSINESS PRINCIPLES

Understands and actively promotes Harbour Energy's Core Values and Business Principles in all aspects of their professional life.

ROLE EVALUATION ADDITIONAL DETAILS

Job Role:	Naval Architect
Role Description Identification Number	Click or tap here to enter text.
Major Challenges: This considers the impact of the role on the organisation, the extent of the difficult decisions required, the level of innovation and complexity of communications associated with the role.	<ul style="list-style-type: none"> • Deep water mooring requirement • Potentially multiple risers configuration • Availability/suitability of the floating facility options and the associated cost impact • Funding mechanism
Financial Accountability: e.g. Opex/Capex, Budgets, Production, DOA etc. the role is responsible for. The quantifiable data should be based on broad numerical values & not detail the annual targets of the role.	<ul style="list-style-type: none"> • Quality of relevant cost
Management Relationships: Including number of internal direct/indirect reports, external relationships, functional reporting relationships, relevant peers the role interacts with.	<ul style="list-style-type: none"> • Direct reports: <ul style="list-style-type: none"> ○ TBA • Indirect reports: <ul style="list-style-type: none"> ○ TBA • External parties: <ul style="list-style-type: none"> ○ Corporate ○ Government officials ○ JVs ○ Potential bidders
Any Additional Role Requirements: Add any other information relevant to the role not captured above	<ul style="list-style-type: none"> • TBA
Last Reviewed or Updated:	Click or tap to enter a date. Date