

Keppel Offshore & Marine (Technology)

S/no.	Job Title	Job Description	Requirements	Vacancy
1	Program Manager (Process)	1) Develop detailed designs for PEWT / EPS generic Topsides system design. LNG, GTL & CNG Topsides process development for stranded gas FPSO 2) Develop details designs of process plant and plant specifications 3) Preparation of Fixed and Budget proposals to clients, including detailed design and specification of process plants related to oil and gas treatment, filtration, solids management and produced water treatment 4) Make sure all documents are prepared in conjunction with the Quality Manual 5) Preparing equipment lists and datasheets 6) Generating process solutions for various processes, e.g. gas sweetening, glycol rehydration, etc. 7) Equipment and Line Sizing 8) Submitting fixed and budget proposals to clients 9) Participating in client clarification meetings and design reviews 10) Generating process, mass and heat balance calculations 11) Generating PFD's and P&IDs 12) PSV Calculation 13) Preparation of hazardous area classifications 14) Hysys Simulation for Process Modeling, Flarenet simulation for flare network design & flare tip design 15) Offshore commissioning of process equipment / packages	1) MSc / BSc in Chemical Engineering (Preferably Refinery Technology) or MSc / BSc in Process System Engineering 2) Minimum 5 years experience in related fields 3) Understanding of Hydraulics, Mechanical Components Design 4) Willing to travel 5) Ability to work independently in a team environment, and possess good planning, organizational, interpersonal skills	1
2	Design Engineer (Mechanical-Drilling equipment)	1) Assisting in Design and Product Development of New Products for Drilling Systems 2) Design power transmission systems, mechanical handling equipment and other marine equipment 3) Perform engineering calculations, design drafting and analysis 4) Interface with clients, class surveyors to project requirements	1) MSc / BSc in Mechanical Engineering 2) 3-4 years experience in designing of Heavy Equipment (Crane, Winch, Machine Element, etc) 3) Understanding of Hydraulics, Mechanical Components Design 4) Familiar with design codes and design software such as AGMA, ASME, API, Inventor, ANSYS, etc. 5) Proficient in Microsoft Office and knowledge of AUTOCAD 6) Perform engineering calculations, design drafting and analysis 7) Co-ordinate with customers, vendors and regulatory bodies on engineering design 8) Prepare construction drawings and purchase specifications for construction purposes 9) Conduct factory testing and field commissioning	3
3	Design Engineer (Mechanical-Offshore / Marine)	1) Design ER Layout, equipment and machine 2) Preparation of equipment specifications, equipment selection and evaluation 3) Perform engineering calculations, design drafting and analysis 4) Interface with clients, class surveyors to project requirements	1) BSc / MSc in Mechanical / Marine Engineering 2) Preferably >5 years experience 3) Proficient in AutoCAD 4) Familiar with Ship machinery layout and system design, calculations, etc 5) Familiar with International rules & regulations including various Class, Flag States and various International bodies	1
4	Design Engineer (Marine Systems Offshore / Marine)	1) Design Marine Systems, Ballast / Fuel / Bilge / Oil / Cargo 2) Preparation of equipment specifications, equipment selection and evaluation 3) Perform engineering calculations, design drafting and analysis 4) Interface with clients, class surveyors to project requirements	1) BSc / MSc in Mechanical / Marine Engineering 2) Preferably >5 years experience 3) Proficient in AutoCAD 4) Familiar with Ship layout and system design, calculations, etc. 5) Familiar with International rules & regulations including various Class, Flag States and various International bodies.	1

S/no.	Job Title	Job Description	Requirements	Vacancy
5	Design Engineer (Electrical)	1) Electrical load calculations and design of electrical single line schematics 2) Electrical, automation & control, navigation & communication (NAVCOM) systems integration 3) Prepare technical specifications, equipment specifications, equipment selection and evaluation 4) Preparation of electrical systems test procedures and participation in test and trials of vessels 5) Interface with clients, class surveyors, consultants, flag inspectors pertaining to project requirements 6) Familiar with Dynamic Positioning hardware and software 7) Innovative technology development in "Total Electric Ship" concept, study, evaluation and report writing	1) MSc / BSc in Electrical Engineering 2) >5 years experience in PLC Control and Programming, Variable Speed Drive, UFD Device (Power), Cabling, Ship Systems 3) Good track record and hands on experience in electrical and control system design for heavy machinery 4) Proficient in Microsoft Office and knowledge of AUTOCAD	1
6	Research Engineer (CFD - Computational Fluid Dynamics)	1) To be involved in CFD application and analysis using commercial software 2) To identify and evaluate potential solutions for Offshore fluid interaction problems 3) To perform independent R&D works in CFD & FEM works	1) Engineering Post Graduate (PhD, MSc, BSc) with a good understanding of Offshore Fluid Interaction engineering 2) Relevant experience in Design practice or research works in Offshore Engineering 3) Ability to perform CFD, FEM analysis with commercial CFD software	1
7	Executive (Technology Foresight)	1) Passion and flair for seeking out emerging technology, in particular, trends in the marine/offshore and oil/gas sectors 2) Detail research into disruptive technology/renewable energy 3) Writing summary / briefs for circulation 4) University & Industry Relation 5) IP Watch	1) Bachelor Degree in Engineering. 2) 3 to 6 years experience in Offshore & Marine Industry 3) Excellent communication (in particular writing) and interpersonal skills 4) Strong analytical and numeric skills 5) Able to travel at short notice	2

Keppel FELS Ltd

S/no.	Job Title	Job Description	Requirements	Vacancy
1	Engineers, OD	1) Understand the nature of the organization/ system and determine appropriate decision maker/ process. 2) Elevate realistic expectations and conduct mini-assessment of theoretical foundations for development plan. 3) Identify critical success factors and clarify real issues of development plan. 4) Determine data collection process and types/ amount of data sought. 5) Effectively utilize appropriate mix of optimisation and simulation method/ technology. 6) Facilitate a participative decision making process. 7) Obtain direction and commitment from stakeholders. 8) Create an implementation plan that is logically sequenced, results oriented and measurable. 9) Integrate research with theory and practice. 10) Determine impact i.e. reaction, learning, behavioural change, organizational impact, societal impact. 11) Ensure plan is valid, reliable and practical. 12) Establish method to monitor change during and after implementation. 13) Use information to reinforce positive change, correct negative change and take next steps. 14) Conduct evaluation and link it with expected outcomes. 15) Review work process to enhance efficiency and productivity.	1) At least 3 years of relevant working experience 2) Possess behavioural and organizational sciences knowledge 3) Possess software development skills (simulation, optimisation and database) 4) Possess operations research and management skills 5) Possess naval architecture knowledge 6) Possess good communication and interpersonal skills 7) Able to work in a team	2
2	Engineers / Designers (Hull / Structure)	1) Design and prepare detail steel structure drawings including main hull, quarters, platforms, and substructure etc. 2) Experience in simple structure calculation is preferred	1) Degree/Diploma in relevant engineering discipline 2) Preferably with engineering or design working experience in marine, offshore or oil/gas industries 3) Experience in Tribon 3D modeling will be preferred 4) Proficient in AutoCAD 5) Good communication skills in English	5
3	Engineers / Designers (Piping)	Design and prepare P&ID, piping arrangement, pipe support and isometric drawings etc	1) Degree/Diploma in relevant engineering discipline 2) Preferably with engineering or design working experience in marine, offshore or oil/gas industries 3) Experience in Tribon 3D modeling will be preferred 4) Proficient in AutoCAD 5) Good communication skills in English	5

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4	Engineers / Designers (Electrical)	Design and prepare electrical one-line diagram, lighting arrangement, instrument and control, cable tray arrangement and support drawings etc	1) Degree/Diploma in relevant engineering discipline 2) Preferably with engineering or design working experience in marine, offshore or oil/gas industries 3) Experience in Tribon 3D modeling will be preferred 4) Proficient in AutoCAD 5) Good communication skills in English	5
5	Engineers / Designers (Mechanical / HVAC)	Design and prepare detail machinery arrangement, heat/ventilation/air-conditioning (HVAC) ducting drawings etc	1) Degree/Diploma in relevant engineering discipline 2) Preferably with engineering or design working experience in marine, offshore or oil/gas industries 3) Experience in Tribon 3D modeling will be preferred 4) Proficient in AutoCAD 5) Good communication skills in English	5
6	HSE Engineer	1) To handle matters related to compliance with HSE requirements of various Regulatory Authorities 2) To work with third party consultants in conducting various HSE Assessments & Studies (Risk Analysis, Working Environment Analysis, HAZID, HAZOP, FMEA, etc.) 3) To communicate with Clients, Classification Societies and Regulatory Authorities on matters related to HSE requirements and also guide the project teams on such matters 4) To highlight special technical requirements to the project teams and take lead in resolving technical problems related to HSE	1) Degree in Mechanical/Chemical Engineering or equivalent 2) Exposure to Regulatory requirements would be an added advantage 3) Minimum 2 years of relevant experience in marine or oil & gas industry, preferably with experience in conducting HAZOP, HAZID and similar HSE assessments 4) Ability to work independently in a team environment, and possessing strong analytical, organizational, supervisory, interpersonal skills	2

Management Trainee Scheme

S/no.	Job Title	Job Description	Requirements	Remuneration	Selection Process
1	Management Trainee	<p>The Keppel Offshore & Marine (Keppel O&M) Management Trainee Scheme is an attractive two-year programme to fast track the career path of high flying fresh graduates. We offer these talented individuals customised on-the-job training and professional development opportunities to equip them with the winning skill-set and mind-set to scale greater heights.</p> <p>Programmes As a Management Trainee, you will be provided accelerated learning through a series of unique programmes that comprises:</p> <ul style="list-style-type: none"> - Networking luncheons with senior management - Corporate orientation - Public courses and workshops - Job rotations / attachments - Modular training - Mentoring scheme - Health, Safety & Environment training <p>Outstanding performers in the MTS will be given opportunities to undergo:</p> <ul style="list-style-type: none"> - Leadership Development Programmes - Management Development Programmes - International assignments - Special projects 	<ol style="list-style-type: none"> 1) A good degree from a recognised university 2) Proven leadership skills with a track record of co-curricular achievements 3) High motivation and adaptability 4) Tenacity in the face of challenges 5) Excellent interpersonal and communication skills 	<p>Masters Degree Without NS: S\$2,800 to S\$2,900 With NS: S\$3,000 to S\$3,100</p> <p>1st & 2nd Upper Honours Without NS: S\$2,700 to S\$2,800 With NS: S\$2,900 to S\$3,000</p>	<p>Your academic achievements, working experience and track records will be taken into consideration in assessing your suitability.</p> <p>If you are shortlisted, you will be invited for interview(s) and may be asked to undergo selection tests such as psychometric tests depending on the position applied for.</p>