

## Crane Design Engineer

**Employment Type: Permanent (Full-time)**

**Location: 10 Jalan Samulun, Singapore 629124**

### Responsibilities:

- Engineering design activities such as preparation of crane technical specifications, general arrangement, crane compartment layouts, and equipment list.
- Prepare working drawings, establish design criteria standards specification and crane construction guideline drawings.
- Review all crane related mechanical and piping equipment, vendors' proposals for technical accuracy and constructability. Perform sizing of crane equipment (e.g. swing mechanism, hydraulic system, sizing of wire ropes and sheaves, etc.) and prepare equipment specifications pertaining to crane.
- Prepare detailed drawings of the crane structure.
- Prepare test procedures and reports in accordance to the design requirements.
- Coordinate work and integration with other engineering disciplines.
- Review and assess client requirements and specifications.
- Support Sales, Project, Production departments in providing technical knowledge and advice to solve and troubleshoot issues, and develop solutions for clients.
- Meet with vendors, client representatives, and accreditation representatives when required.
- Perform site visits to solve the engineering problems when required to determine existing conditions or verify new construction.
- Maintain and uphold the knowledge of the latest design rules & regulations and international industry standards
- Perform any other tasks as may be assigned by supervisor.
- Ensure compliance to relevant government regulations and company's quality, safety, health and environmental (QSHE) policies, practices and procedures at all times.

### Requirements:

- Minimum 3 years of experience working in a marine/offshore industry with marine crane and equipment manufacturers, with a Diploma in Mechanical Engineering, Structural Engineering or Marine Engineering or minimum 6 years of experience working in a marine/offshore industry with marine crane equipment manufacturers or related working post.
- Knowledge of crane structure design, fatigue and failure mode analysis (FEA) will be an added advantage.
- Knowledge of AutoCAD, STAAD.Pro, and ANSYS Software and will be an added advantage.
- Familiar with Marine & Offshore rules and regulations, API specification 2C and other API crane standards.
- Good communication skills, meticulous, resourceful, able to multi-task.
- A team player with the ability to work independently as a team.

Interested applicants to email your resumes to **hr@bakertech.com.sg** stating expected salary and earliest possible start date.

*We regret to inform that only suitable applicants will be contacted for an interview.*