

PROJECT ENGINEER

The Project Engineer is responsible for engineering and execution of all phases of project activities, including planning, implementation, execution, and completion of high-purity system and specialty equipment installation and certification projects. The role involves close coordination with internal teams, suppliers, sub-contractors, and customers to ensure projects are delivered safely, on time, within budget, and in compliance with applicable standards and specifications.

JOB DESCRIPTION

- Responsible for engineering activities across all project phases, including planning, execution, installation, testing, and certification of high-purity systems and specialty equipment.
- Act as the primary technical interface with sub-contractors for all aspects of project schedules, including preparation of project meetings, technical presentations, design reviews, and progress reports for management and customer review.
- Source suitable components, parts, and suppliers in accordance with customer requirements, project specifications, and applicable standards.
- Prepare and develop P&IDs, layout drawings, parts and spare parts lists, and functional and technical documentation in line with project scope.
- Manage suppliers and sub-contractors, including monitoring performance, work progress, schedules, and compliance with agreed scope of work.
- Record, implement, and verify all design changes throughout the project lifecycle and ensure proper documentation and follow-up.
- Capture and implement lessons learned into future projects to support continuous improvement.
- Develop and perform technical calculations, including Pressure Drop Calculations (PDC), to meet project and system performance requirements.
- Maintain up-to-date knowledge of relevant standards, regulations, and current technologies applicable to the project scope.
- Assist in the preparation, review, management, and maintenance of project documentation with customers, consultants, and authorities to achieve final system or equipment acceptance.
- Review project targets at each project phase to ensure compliance with approved budgets, cash flow requirements, schedules, and quality objectives; perform risk assessments and implement corrective actions when required.
- Implement best practices at project sites and actively participate in team discussions to optimise resource utilisation and project execution.
- Support resolution of customer complaints promptly and professionally, keeping customers informed of corrective actions and agreed resolution timelines.
- Take responsibility for Quality Management activities, including implementation of the Project Quality Plan (QMS / PQP) and Safety Management System (SMS) throughout the project lifecycle.
- Upon project completion, assist in organising post-mortem or project close-out meetings with management, document project outcomes, challenges, and lessons learned, and provide recommendations for future improvements.

REQUIREMENTS

- Diploma, Advanced/Higher/Graduate Diploma, Bachelor's Degree, or Professional Degree in Mechanical, Electrical, Chemical Engineering, or equivalent.
- Preferably 1–2 years of relevant working experience with a solid understanding of project planning, project management fundamentals, sourcing, and technical planning.
- Mandatory hands-on knowledge and experience in Pressure Drop Calculation (PDC), including the use of AFT Fathom 9 software.
- Proficient in Microsoft Office applications, Microsoft Project, and AutoCAD or equivalent CAD / 3D design software.
- Strong ability to communicate and interact effectively with stakeholders at all levels and to work cross-functionally.
- Strong analytical, planning, negotiation, and written and verbal communication skills.
- A proactive team player who is self-motivated, independent, and able to work with minimal supervision.
- Relevant experience in manufacturing or semiconductor industries will be an added advantage.
- Required language(s): English and Bahasa Malaysia (Mandarin is optional for support China Staff).
- Willingness and readiness to travel overseas as required.
- Full-time position.