



Project Manager

Overview:

The Project Manager is responsible for the strategic planning and comprehensive execution of each project from the proposal, estimation and award phase through to completion and start-up. The Project Manager role is the cornerstone of KPE's approach to project execution, and the incumbent will be responsible for leading all work efforts in addition to the management of both internal and external resources.

Essential Duties and Responsibilities:

- Manages all engineering, procurement & construction (EPC) functions for downstream, midstream, syngas and chemical process facilities.
- Reviews project proposals or plans to determine and develop overall project execution strategy including: scope, budget, schedule and staffing & resource requirements.
- Schedules project kickoff meetings to prepare and issue execution instructions to the development team; conducts external & internal review meetings over the course of each project.
- Capable of generating typical project control documents and updating these during a project.
- Leads the development, review and timely issuance of process deliverables such as: H&MB, PFDs, major equipment datasheets, line-sizing, P&IDs and utility summaries.
- Coordinates the development processes for general arrangement, plot plan, 3D drawings, equipment, shipping and rigging lists.
- Manages the generation of major equipment specification sheets and RFQ packages for Procurement to issue to vendors for product cost estimation; ensures appropriate technical and commercial review of received vendor quotes.
- Ensures all equipment, valves, and instrumentation meet the specification requirement codes of the program target location, client or country.
- Collaborates with engineering teams in developing an expected engineering execution schedule for the targeted product based on expected equipment deliveries, logistics, and anticipated engineering staff availability.
- Provides information for construction bid packages to subcontractors – mechanical, civil and I&E disciplines.
- Serves as primary contact with client representatives, subcontractors, and other members of the project team – doing so with the utmost quality written & verbal communication.
- Assembles and negotiates change orders with clients as necessary; issues monthly project reports and invoices to clients for active and/or completed projects.
- Serves as technical resource and mentor to less experienced engineers and project managers.
- May be required to complete safety training courses for refinery or other facility-type entry.
- Travel will be required for meetings, project site visits and other business-related functions; abides by the firm's travel & expense practices providing full transparency as required by policy.
- Performs other duties as assigned by senior leadership.

Experience Requirements:

- A minimum of 10 years progressive work experience within the Refining or Chemicals industry; 5 – 10 years of dedicated project engineering or project management work experience.
- Experience with fabrication standards in regard to process equipment, along with equipment knowledge of reactors, rotating equipment, heat exchangers, vessels, piping, relief devices, electrical equipment, valves, instrumentation, etc.
- Broad technical background, awareness or knowledge of applicable industry codes and standards (ASME, API, ANSI, ASTM, NFPA, NEC, AWS, NACE, IBC, etc.)
- Knowledge of common materials used in pressure vessels, process piping, structural steel assemblies, instrument and electrical packages.
- Ability to develop project schedules for all phases of the project, tracking home-office, shop, vendor, and construction progress throughout.
- Ability to communicate deviations, difficulties and the required changes to the Design Supervisor and/or the Project Engineer.
- Ability to read and revise P&IDs, Electrical Schematics, PFDs and Equipment Detailed Drawings.
- Knowledgeable of acceptable design drafting practices and presentations.
- Ideal candidate will have experience reviewing project contracts with the goal of always keeping the best interests of the company in mind.
- Project engineering experience with an EPC contractor is a plus.
- Specific project experience in Fluid Catalytic Cracking Units (FCCU) is highly desired.
- Knowledge of skid layout and design is a plus.

Education Requirements:

- Bachelor's degree in Chemical, Mechanical, Electrical and/or Civil Engineering; master's degree a plus, but not required.
- Registration as a Professional Engineer (PE) preferred, but not required.