

Job ID: 1100328

Title: Sr. Cost Engineer - Global Hydrogen

Location: Houston, TX

To apply for this job, please visit: <https://praxair.taleo.net/careersection/2/moresearch.ftl?lang=en>

JOB DESCRIPTION:

JOB PURPOSE:

This position coordinates and leads the Cost Estimation / Cost Engineering activities for one or more engineering projects for Global Hydrogen organization.

SCOPE:

This position works under minimal supervision, with guidance in only the most complex situations. The cost engineer actively participates in understanding competitive costs and defining proper scope and execution strategies for various industrial gas plants. The position works on first-of-a-kind and complex projects, and performs project cost estimation and engineering work.

REPORTING RELATIONSHIPS:

This position reports to the Associate Director of Engineering in the Global Hydrogen organization, and may supervise the work of less experienced Engineers.

PRINCIPAL RESPONSIBILITIES:

- Understand and drive scope definition.
- Generate and validate cost models for global Hydrogen plants combining internal Praxair project history, general construction industry data, published material indices and contractor inputs.
- Understand general engineering management practices and proposed execution strategies from a standpoint of effectively estimating engineering labor hours.
- Understand general industrial (petrochemical) construction practices.
- Understand and apply regional differences in fabrication and construction costs, evaluate local contractor labor rates & availability, productivity, market conditions and contractor surveys for use in field construction estimates
- Maintain current cost models and expand historical cost databases.
- Maintain price trends and forecasts for commodities, plant equipment, and construction.
- Evaluate plant competitiveness through research and analysis of known competitor offerings.
- Influence team members and promote ideas and optimization for cost effectiveness.
- Develop cost comparisons of offshore prefabrication and onshore field construction of portions of the plant scope. Comparisons include impact of shipping, schedule and tariffs.
- Identify project risks and opportunities, effectively estimate contingency.
- Conduct detailed material take-offs from plant design/construction drawings and generate cost estimates for project execution.
- Review contractor bid submittals for completeness, correct scope and conformance with project specifications, and participate in contractor bid reviews and contract negotiations.
- Generate complete bottoms-up (FEL-2) project control cost estimate, including engineering, equipment, construction, transportation and contingency.

- Seek out new rules of thumb ratios to generate quick, top-down (FEL-1) high-level estimates under short time constraints.
- Interface with, and conduct effective presentations to internal and external customers at all organizational levels.
- Promote ideas for improvement of design and construction.
- Keep current with state of the art estimating tools, practices and concepts.
- Provide training and supervision to junior engineers.

JOB REQUIREMENTS

- B.S. or M.S. in Engineering with minimum 8+ years of experience in process, equipment, construction or design engineering.
- Knowledge of industrial capital cost estimating and cost modeling systems is desired, along with familiarity to specific construction and engineering methodologies.
- AACE / PMI certifications will be considered a distinct asset.
- Strong Excel skills are required.
- Domestic and International travel is required and can be expected 5-15%.

Valencia Woodard

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