



As a full-service EPC firm, Professional Consultants Inc. (PCI) provides the highest level of flexible, integrated engineering, procurement, and construction services to some of the most respected, and technically demanding, companies in the world. PCI serves a wide variety of markets and industries through our core areas of expertise, including Controls, Facility Engineering, Mechanical Processes, and Power & Energy Management.

Senior Mechanical Designer/Engineer – Power Generation

Job Description

PCI is seeking a Mechanical Designer to lead the design of power process and piping projects in the Power & Energy Process Solutions Mechanical Division. Qualified candidates should have a minimum of five years' experience in the power or heavy industrial environment. Candidate should have an Associate's degree minimum, BS a plus. Experience working in the power industry with mechanical process equipment will be considered a plus. This position will be located in PCI's Evansville office. Candidates should be capable of the following:

- Problem solving
- Ability to understand verbal directions
- Ability to complete accurate field work
- Piping and process design experience including PFDs, P&IDs, piping plans, section details, supports, isometrics
- Understanding of piping codes, specifications and installation methods
- Ability to work within cost budgets and schedules
- Experience with 3D piping design software such as Intergraph Code CadWORX preferred
- Experience with equipment layout/arrangement
- Familiarity with general mechanical equipment (i.e. pumps, compressors, heat exchangers, etc.)
- Exposure/familiarity with power generation mechanical equipment (i.e. ash handling, draft fans, boiler accessories, coal and fuel oil delivery, etc.)
- Solid technical base on fluids and thermodynamics, with ability to perform hand calculations for sizing, stress, etc. as well as ability to use software packages (pipeflow, others?)

Candidates must be self-motivated to initiate and complete projects from conceptual development through construction completion. This role requires working on multiple projects in parallel. Excellent written and verbal communication skills are essential. This individual will interface frequently with project managers, engineers, other designers and cad technicians across PCI and our client's organizations as they complete capital improvement projects.



The Physical and Ergonomic Requirements of this position are as follows:

- Lifting/carrying: Carrying light loads related to field measurement equipment, equipment cases weighing 15 lbs. or less.
- Dexterity: Ability to type using a keyboard with relative efficiency, ability to make handwritten notes and sketches indoors and outdoors at industrial plant and construction sites at any time of the year.
- Walking/Climbing: Ability to use multi-level stair towers and rung ladders unassisted.
- Visual Acuity: Ability to discern single line and 3 dimensional computer images representing objects being designed or drafted.
- Hearing: Ability to hear safety alarms and signals while wearing hearing protection.
- Physical exertion: Ability to walk up to one mile on industrial plant and construction sites outdoors at any time of the year. Ability to work in protective clothing which may elevate body temperatures by several degrees Fahrenheit for periods of up to 15 minutes without a break.
- Breathing: Ability to work while wearing a respirator or self-contained breathing apparatus.
 - Elevated work including harness
 - Ability to enter confined spaces

Professional Consultants, Inc. offers an excellent benefits package and opportunities for advancement. If interested, please send us your resume.

Professional Consultants, Inc. is an Equal Opportunity Employer and a Drug Free Workplace.

Professional Consultants, Inc.
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112 Ingle St.
Evansville, IN 47708

Or email your resume to
jobs@pcidesign.com