



**Power System
Engineering, Inc.**

2424 Rimrock Road, Madison, WI 53713

www.powersystem.org

Excellence Through People! Take your career to the next level working with energetic, talented, and forwarding-thinking colleagues who share common values and a mission of helping colleagues achieve their goals. Work for a company that gives you a platform to do amazing things.

What We Are Looking For:

Power System Engineering, Inc. (PSE) is looking for a well-rounded individual to Plan, coordinate, and manage a variety of mechanical projects with industrial and commercial clients as a Project Engineer / Project Manager. Must have a good understanding of HVAC, plumbing, and process piping design, for a variety of project types including refineries, ethanol plants, bulk liquid and dry fertilizer facilities, chemical storage and distribution facilities, grain handling terminals, feed mills, and other agricultural and energy infrastructure projects. Responsible for planning and executing engineering projects and management of projects, including sharing knowledge with other team members, while reporting to the Mechanical Engineering Team Lead.

What You Will Be Doing:

- Provide a wide range of engineering and technical consulting services to PSE's commercial and industrial clients including plumbing, HVAC, energy analysis, and piping design.
- Supervise client projects and direct the staff involved in the projects to include coordinating activities between clients, utilities, permitting agencies, contractors, and other project stakeholders.
- Prepare layouts and provide input for design proposals and drawings, including site plans, general arrangements, equipment layouts, duct and piping plans & sections, riser diagrams, equipment schedules, isometric drawings, and P&IDs.
- Analyzes engineering sketches, specifications, and related data and drawings to produce final product.
- Control expenditures and efforts within limitations of project budget.
- Assist with permitting process with local authorities and coordinate with construction crew for installation of facilities per the design.
- Specify fire protection systems based on NFPA standards using performance narratives.
- Perform hydraulic system studies, select centrifugal and positive displacement pumps and associated accessories; size piping systems based on velocity or pressure drop; select relief valves to protect piping based on ASME B31.3 requirements.
- Perform energy analysis using software and select HVAC equipment and accessories.
- Establish and maintain ongoing client relationships within the industrial and commercial industry.
- Proactively pursue continued education, training, and certifications as required.
- Assist in business development strategies to grow client base.

Mechanical Engineer

- Work closely with the department Manager to develop department plans and resources including budgetary estimates, developing engineering proposals, and writing technical specifications and RFPs.
- Assist in the planning, pricing, estimating, and scope for proposed client projects
- Serve as a Project Manager on key projects
- Assist in preparation or make occasional presentations at various industry conferences and client sites.
- Work cooperatively with other PSE team members to improve our efficiencies and work product.

What You Will Need:

Education and Experience

- Bachelor's degree in Mechanical Engineering (BSME)
- Professional Engineer license or the ability to become licensed is required.
- Relevant professional or technical background with 4 or more years of experience with emphasis on commercial and industrial facility HVAC and plumbing design, and energy analysis.

Knowledge and Skills

- Proficiency with AutoCAD MEP or PLANT, Revit, Trane Trace, and MS Office Suite.
- Demonstrated ability to design and administer multiple projects of varying size and scope simultaneously through all design and construction phases
- The candidate shall be self-motivated and have experience in developing construction bid documents for commercial and industrial facilities with the ability to work and meet deadlines in a fast-paced and competitive business environment.
- Working knowledge of applicable ASHRAE, ASME, ASTM, and NFPA standards.
- Strong interpersonal skills and ability to apply effective verbal and written communication skills when writing specifications, preparing technical reports, contributing to or leading project team discussions.
- Ability to travel as needed (up to 15%) for team meetings, client consultations, site assessments, and construction inspections – occasional overnight travel may be required.

APPLY NOW

People.Power.Future

Power System Engineering is an Equal Opportunity/Affirmative Action Institution and does not discriminate on the basis of race, sex, gender identity, marital status, pregnancy, sexual orientation, age, disability, veteran status, religion, color, ancestry, or national origin or any other characteristic protected by federal, state or local laws. Our management team is dedicated to this policy with respect to recruitment, hiring, placement, promotion, transfer, training, compensation, benefits, employee activities, and general treatment during employment.