

Mechanical Project Engineer

Job Summary

As a Mechanical Project Engineer you will be part of an engineering team which is responsible for engineering support related to central utility plant systems including boilers, burners, compressed air systems, cooling systems, related equipment and infrastructure. This is an outstanding opportunity for a MSME or BSME who possesses 5+ years of hands on design experience in a project development based environment. If you're interested in a dynamic career with a healthy, growing firm, you've come to the right place. This is a position where your efforts directly drive the success of each project.

Primary Responsibilities

- Overall system design, sizing, layout and selection of power plant equipment
- Develop process flow diagrams (PFDs), General Arrangement (GA) drawings and Piping & Instrumentation Diagrams (P&IDs)
- Perform mass/heat balance calculations
- Perform calculations for sizing pumps and fans
- Prepare process piping and valves specifications, layouts and calculations. May include pipe stress analysis including hanger systems and support items utilizing specialized engineering software.
- Develop vendor and subcontractor Request for Quotations (RFQ's)
- Evaluate vendors and subcontractor bids for technical acceptability, performance and price
- Assist in the development of proposals (scope identification and technical summary), cost estimates and schedules
- Travel to client facilities for gathering of initial information, review meetings and construction support
- Process instrument sizing and specification
- Perform additional tasks in support of various company and project objectives

Qualifications

- Strong computer skills are required including AutoCAD and Microsoft office applications. 3D AutoCAD experience is a plus.
- Good working knowledge of ANSI & ASME Codes, specifically pertaining to pressure vessels and power plant piping (steam, condensate, feedwater, natural gas, etc)
- Familiar with combustion/heat-transfer design principals
- Ability to understand and generate PFD's and P&ID's
- Understands typical equipment utilized within an industrial powerhouse environment
- Provides concise deliverables with little technical direction.
- Initiative to identify tasks required to provide deliverables and accomplishes them
- Positive attitude with high levels of self-motivation
- Enjoys occasional brief traveling (1 to 3 days at a time) for design review meetings, data gathering and construction support
- Manages several projects' workload
- Experience in working in a deadline environment
- Strong written and verbal communication skills. Includes technical writing for engineering reports, specifications, RFQ's, etc.
- Commitment to company core principals of systems' safety, reliability and efficiency
- 3+ years relevant work experience
- A PE license is a plus

About Lipten

Lipten is an Engineering, Procurement and Construction (EPC) company specializing in central energy centers. Lipten has been providing energy center engineering, procurement and construction services since 1969. Lipten services encompass cogeneration, boiler systems, hot water generation systems, chiller systems, feedwater systems, power systems, industrial water treatment systems and ancillary equipment required of these major systems. Our capabilities include: retro-fitting existing systems; new construction; engineering disciplines for all areas including civil, structural, mechanical, electrical, combustion and controls; procurement of all equipment; project management; construction services including site supervision of sub-contractors; commissioning and startup of systems including boilers, burners, controls and related utility equipment.

Lipten Mission Statement

*Lipten will make “power” a source of value for our clients by providing superior engineering, procurement and construction of steam, hot water, compressed air, chilled water and electrical systems. Lipten operates profitably throughout the world in an ethical, environmentally sensitive and socially responsible manner while focusing on the core principals of systems’ safety, reliability and efficiency. **Essential to achieving our goals is our dedication to maintaining a positive working environment.***

Lipten Company offers competitive salaries and a comprehensive benefits package including medical, dental and 401(k) as well as three weeks paid personal time off in addition to ten paid holidays. Lipten is an equal opportunity employer. Please reply with resume and salary expectations to Caryn Robinson, crobinson@lipten.com.