

Job Description

Project Development Engineer

PRIMARY PURPOSE OF THE JOB: The Project Development Engineer is responsible for providing innovative and comprehensive solutions in design, energy and performance assurance engineering working in a collaborative, team-based environment.

Essential Duties:

1. Collaborate and partner with the Business Development Manager (BDM) in the identification and qualification of potential projects.
2. Perform preliminary and detailed facility studies/energy audits to identify energy conservation opportunities, facility needs and potential facility improvements.
3. Work with the BDM to cultivate relationships with the customer to identify needs and propose effective and integrated solutions.
4. Analyze utility rate structures and consumption/demand histories.
5. Evaluate the condition and operation of existing building systems.
6. Make recommendations relating to the upgrading and/or replacing of existing building systems to provide optimal results in terms of comfort, IAQ and energy efficiency.
7. Perform energy savings and operational savings calculations.
8. Design energy conservation measures and building systems upgrades. This may include overseeing the work of other in-house engineers and/or outside resources.
9. Develop bidding documents required for final project costing. Assist operations in obtaining contractor and vendor pricing.
10. Develop preliminary and final project cost estimates.
11. Provide written documentation to the BDM and management concerning recommended energy conservation measures, building upgrades, energy savings potentials and costs estimates.
12. Collaborate with the BDM and team members in the development of preliminary and final proposals, meetings and presentations.
13. Provide technical assistance to operations during the project implementation phase.
14. Provide technical assistance to the performance assurance engineering and energy accounting groups, including supporting the ENERGY Star[®] certification process.

Personal Characteristics:



1. Honest, trustworthy, high integrity; makes and keeps promises.
2. Ability to see the big picture and provide comprehensive building solutions.
3. Independent thinker, open to new methods and technologies.
4. Self-directed, motivated; works hard with limited supervision.
5. Analytical, detail oriented; someone who likes figuring out how things work.
6. Motivated to uncover all needs and deliver the best value to the customer.
7. Well developed interpersonal communication skills, friendly, likable.
8. Able to develop and deliver presentations on technical subjects to non-technical individuals.
9. Strong work ethic; does what it takes to get the desired results.
10. Interested in continuous personal development.
11. Well organized.

Required Experience:

1. Minimum of 5 years of experience designing traditional plan and specification projects in the HVAC industry.
2. Minimum of 5 years of experience performing energy engineering functions in support of performance contracting projects is preferred.

Required Education:

1. BSME or BSMET from an accredited college or university is preferred.
2. Professional Engineer registration in states where projects are conducted is preferred.

Working Conditions:

1. Office functions will primarily be performed at PSI's office.
2. Onsite engineering surveys, meetings and presentations will normally be held at our prospects' offices.
3. Work hours vary based on workload, but should average 50 hours per week.
4. Long hours are normally required prior to proposal submissions.
5. Board presentations are normally held at night from 7:00 pm – 9:00 pm.