



Senior Energy Engineer

Reports To: Director of Energy Solutions

Primary Purpose:

The Senior Energy Engineer is responsible for managing project teams to conduct facility site visits, energy engineering, energy audits, and energy consulting services to identify energy conservation measures (ECMs) and energy management plans for all types of clients. Responsible for managing Energy Solutions projects, that will range in size and complexity, to achieve project deadlines and financial expectations. This includes the coordination and management of both internal and external resources to deliver project expectations.

Principal Duties and Accountabilities:

- Identify and evaluate energy efficiency and energy conservation measures (ECMs) through energy audits and data review (mechanical, architectural, electrical). Includes all energy sources and systems within a building.
- Identify applicable improvement measures aimed at reducing clients energy consumption and cost (electricity, gas, water, sewer, fuel, other). Includes technology, O&M, and behavioral (people/energy culture) type solutions and recommendations.
- Possess expertise and serve as a resource to other engineers on topics including HVAC configuration and performance, energy modeling, data logging, controls and energy management control systems, lighting and daylighting design, sustainable design and LEED certification, measurement and verification (M&V), energy auditing and retro-commissioning.
- Significant tasks include scheduling, document preparation, inspections and testing, report generation, problem resolution, quality assurance, and development of sales opportunities.
- Meet with both technical and non-technical clients. Lead discussions regarding energy management planning, energy efficiency, or sustainable design solutions in whole building and individual building system (mechanical, electrical, controls) context.
- Utilize one or more energy modeling tools or applications to develop various solution scenarios for review and utilization in report and/or submittals for client consideration.
- Be involved and/or assist others in the project development of Energy Conservation projects.
- Direct and manage project fulfillment from beginning to end – including a combination of self-managed projects as well as directing field project management
- Plan, schedule, and track project timelines and milestones using appropriate tools.
- Develop and deliver progress reports, proposals, requirements documentation, and presentations.
- Proactively manage changes in project scope, identify potential conflicts, and develop contingency plans.

Education, work experience and/or training:

Education:

- Bachelor's of Science Degree in Mechanical, Architectural Engineering or similar discipline required.
- Professional Engineer license for Mechanical required.

Experience:

- Minimum of 7 years of progressive energy engineering experience performing energy consulting, energy engineering, energy audits, and energy project development is required.
- Experience in Construction Administration and documentation procedures required.
- Experience with energy projects, facility engineering, HVAC, assessment / planning, peer review, design and/or consulting services required.
- Experience with HVAC and automated controls and/or construction/renovation projects is strongly preferred.
- Experience in commissioning and existing building commissioning in all types of facilities, markets, and industries (using ASHRAE Guideline 0 and Guideline 1 methodology).
- Demonstrated experience with HVAC Control, Building Automation Systems, Energy Management systems and software is required.

Training / Certifications:

- Certified Energy Manager (CEM) or Commissioning certification is strongly preferred.
- LEED certification is a plus.

Knowledge, skills, and abilities typically needed for competent performance:

- Must possess strong leadership competencies and willingness to collaborate and work cross functionally to maximize business results and positive customer experiences.
- Must possess strong interpersonal skills and strong business acumen – including ability to develop energy projects and to provide a wide range of solutions to clients.
- Possesses deep technical expertise in commissioning, retro-commissioning, and energy auditing within existing buildings.
- Ability to effectively interact at all levels of an organization and effectively build value with high profile customers.
- Familiarity with energy analysis methodologies and tools.
- Ability to perform directly as well as provide technical and functional guidance to the team in the application of the retro-commissioning process, testing equipment and use, and web based software.
- Proficiency with project management software, such as MS Project, Deltek Vision, or similar.
- Must possess strong verbal and written communication skills. Proficient speaking and writing skills for report writing and presentations to clients.
- Must be highly proficient with a PC including the Microsoft Applications and Energy Simulation model applications. Direct experience with Energy Models is a plus.
- Knowledgeable with ASHRAE Guideline 0 and Guideline 1 methodology.

Physical and/or travel demands:

- Able to conduct on-site surveys in variety of building types accessing rooftop units, mechanical rooms, and basement equipment, or equipment located on building grounds outdoors.
- Off-site work requires company-provided OSHA safety training.
- Minimal travel is required for this position as most projects are located within the region.

To Apply: Interested parties should apply on-line at our website:

<http://www.usengineering.com/careers/open-positions>