

Job Description – Mechanical Engineer / Energy Solutions

Overview:

The **mechanical engineer / energy solutions** will be responsible for supporting energy saving projects through client management, project development, and engineering calculations. The focus of the position will be to develop and complete construction of guaranteed energy savings performance contracts. Individuals with a strong background in mechanical systems are encouraged to apply.

We have found that individual with backgrounds in the following areas can easily adapt to this position and thrive:

- Consulting engineering (design of MEP systems, construction administration)
- Commissioning of HVAC systems
- Energy engineering / guaranteed energy savings performance contracting.

Responsibilities:

- Work with program and client staff to identify, develop and support energy saving projects
- Utilize energy modeling applications or energy analysis spreadsheets to project benefits from energy efficiency projects
- Recommend appropriate energy saving measures in identified projects, particularly motors, drives, process, HVAC, and other savings measures
- Quantify savings, costs, and benefits, consistent with program and policy requirements, including the development and implementation of measurement and verification (M&V) plans as necessary
- Support and train program team, client, and participant staff to identify energy savings opportunities
- Effectively communicate technical terms and concepts to non-technical staff and partners, and provide education to non-technical internal staff
- Provide technical knowledge base to explain complex energy issues to internal as well as external parties
- Examine and identify areas of opportunity to increase energy efficiency utilizing new or existing technologies, provide creative market transformation ideas, and/or innovative implementation strategies
- Utilize effective writing and verbal skills to support entire program team to deliver the target energy savings to meet our clients' goals
- Manage time and tasks to provide accurate deliverables in the specified time frame
- Report concerns and issues to management in a timely manner

Job Requirements

Qualifications:

Required:

- Bachelor's degree (B. A.) in Engineering. BSME, BSEE, BSARCHÉ.
- 3 year minimum related experience in consulting engineering, energy services, and/or utility energy efficiency programs. More than 5 is a benefit, but not required.
- Extensive knowledge of mechanical systems.
- Ability to use office programs such as Microsoft Excel

These skills are not required but are good to have. These can be taught to candidates with a good knowledge base of building systems:

- Knowledge of energy-efficiency technologies, programs and policies.
- Knowledge of energy analysis and energy auditing.
- Knowledge of energy modeling tools and techniques.
- Knowledge of measurement and verification techniques.

Job Snapshot

Employment Type Full-Time

Job Type Engineering

Education 4 Year Degree

Experience At least 3 year(s)

Manages Others Yes

Industry Mechanical - Energy - Utilities - Gas - Electric