

# ENERGY ENGINEER

## Energy Engineer Sain Engineering Associates, Inc.

SEA seeks proven Energy Management Professionals to work as a Energy Engineers. SEA is a consulting engineering firm established in 1988 specilaizing in energy efficiency for existing facilities. Led by a team of acclaimed engineers, SEA challenges the brightest and most creative individuals in the energy services industry by providing an entrepreneurial environment that embraces initiative, innovation and results. Our charter consists of three simple and equally critical objectives: (1) Serve our Clients, (2) Fulfill our People, (3) Manage our Business.

### Duties

This position performs a wide spectrum of energy engineering functions working on various energy management projects:

- Manage and execute retro-commissioning and new building commissioning projects, including developing commissioning plans, reviewing designs and submittals and performing functional performance tests to prepare reports
- Identify and implement ECM recommendations and opportunities; calculate associated savings
- Assist with the development of Installation Energy and Water Plans (IEWP)
- Perform ASHRAE Levels I, II, and III audits
- Strategically plan infrastructure energy planning

### Qualifications

- 4 year degree in engineering from an accredited institution
- EIT or ability to pass Professional Engineering (PE) test within one year
- Certified Energy Manager (CEM) certification (or ability to pass test post-hire)
- 4-8 years of experience in the energy field; participation in industrial assessment program
- Ability to travel (most travel is local) with anticipated 25% overnight
- Experienced in mechanical and electrical engineering and plumbing design
- Healthcare / pharmaceutical / industrial manufacturing experience a plus
- CxA, BCxA and LEED certifications a plus

### Knowledge, Skills and Abilities

- Understanding of commercial and industrial HVAC systems such as AHUs, VAV,s chiller plants, condenser water and boiler plants
- Understanding of building commissioning processes with emphasis on HVAC, controls, building envelope and lighting
- Basic understanding of building automation systems and sequences of operations
- Proficient in data analytics and Microsoft Excel
- Ability to work both independently and in team environment
- Interpersonal and public verbal and written communications skills
- Familiarity with computer programming and construction documents
- Understanding of utility rate structures and energy modeling experience
- Project management experience