

Energy Engineer II – Mechanical

Job description and duties:

- This position is for an Energy Engineer to play a supporting role in CVAL Innovations' project development and implementation team. This position will be located in the greater Dallas area.
- Analyzes, validates, and evaluates energy and facility performance data. Benchmarks energy performance against comparable buildings.
- Assists in conducting building energy audits, performing energy and sustainability analyses, and identifying opportunities to increase/improve building efficiencies and performance.
- Inspects and monitors building systems to determine energy use, identify energy savings opportunities, and quantify savings potential.
- Prepares written analyses for building improvements.
- Assists in preparation of design documents and project specifications.
- Develops operational plans and implementation timelines in conjunction with the management team.
- Coordinates teams of contractors to ensure timely execution of energy projects in accordance with project specifications and budgets.
- Visits project job sites and review contractor job progress and quality of work.
- Communicates with a broad team of stakeholders; provides specialized reports and serves as technical expert.
- Measures and verifies utility savings associated with completed projects.
- Acts as a subject matter expert on energy conservation in mechanical systems.
- Participates in and directs research and evaluations of new energy efficiency approaches, measures, practices, and equipment.
- Performs related duties and responsibilities as required.

Required Qualifications

- Bachelor's Degree from an accredited college or university in engineering, physical sciences, architecture, or a related field.
- At least three (3) years increasingly responsible experience in the energy management or mechanical engineering field.
- Knowledge of heating, ventilating, and air conditioning (HVAC) systems and HVAC controls.
- Knowledge of energy management practices.
- Knowledge of energy audit practices and instrumentation.
- Ability to communicate clearly and effectively, both verbally and in writing.

Desired Qualifications

- Master's Degree.
- License, certifications, and accreditations:
 - Licensed Professional Engineer (P.E.) or Engineer in Training (EIT)

- Certified Energy Manager (CEM) or Energy Manager in Training (EMIT)
- Certified Commissioning Professional (CCP)
- Building Commissioning Professional (BCxP)
- Building Energy Assessment Professional (BEAP)
- Certified Energy Auditor (CEA)
- Building Energy Modeling Professional (BEMP)
- Leadership in Energy and Environmental Design Accredited Professional (LEED AP)
- Knowledge of building energy systems, including: refrigeration; lighting and lighting controls; building envelope; motors; domestic hot water; and process loads.
- Skilled in implementing and coordinating energy efficiency and/or conservation projects in commercial or public buildings.
- HVAC load design and analysis with modeling experience.
- Skilled in project scheduling.
- Skilled in quantitative analysis methodology to analyze energy use, energy rates, and utility bill data.
- Skilled in facility energy performance benchmarking, with working knowledge of Energy Star Portfolio Manager, ASHRAE Building Energy Quotient, etc.
- Skilled in use of computer applications and software associated with the preparation of plans and engineering computations.
- Ability to interpret and apply Federal, State and local policies, procedures, laws, and regulations.

Compensation & Benefits

The compensation for this position includes salary commensurate with experience, paid holidays and vacation, and health insurance.

About CVAL Innovations

CVAL Innovations is a one-stop energy conservation firm with a singular focus to reduce energy waste and improve our customers' bottom-line. With deep experience spanning every aspect of the energy management industry and a passion for making our world more sustainable, CVAL is redefining the field of energy management.

CVAL Innovations, LLC was established in 2009 to provide energy conservation and project management services to industrial and commercial customers, providing complete sustainability solutions for the public, institutional, and private building sectors. We are a registered engineering firm through the Texas Board of Professional Engineers with expertise that encompasses building energy codes, comprehensive energy audits, building thermal envelope, illumination engineering, electrical system designs, motors, HVAC systems, renewable energy systems, and process loads. With corporate office in Irving Texas, our firm focus is to provide creative, cost-effective, and practical solutions customized for individual clients. Primary factors in CVAL's continued success are our holistic view to client energy consumption and needs, in-depth research to available best-of-the breed solutions, and expertise in procuring equipment and sources of funding. Our solutions lead to immediate, positive cash-flow and strong returns on investment for our customers.

For more information, please visit our [website](#).