

Mechanical and Energy Analysis Engineer

Opportunity

We are seeking an individual with strong technical skills in HVACR, energy analysis, and data analysis to join our team, at either our San Luis Obispo or La Verne location, in the position of Mechanical and Energy Analysis Engineer.

You'll work with some of the best known food processors, distribution companies and "cold chain" operators in the nation, help deliver creative energy solutions, and broaden your knowledge and experience in the growing business of energy efficiency and sustainability. You'll play an important role in providing measurable energy and cost savings while helping to improve the global environment.

Salary: \$65,000 to \$85,000, depending on capabilities

Travel: Up to 25%

Website: www.vacomtech.com

Location: San Luis Obispo, California or La Verne, California

Your Role

- Work with a multi-disciplinary team to develop projects, typically involving retrofits and energy efficiency improvements; including on-site surveys, project development engineering, and assisting with technical sales presentations.
- Perform studies of energy efficiency alternatives for new and existing facilities, including improvements to refrigeration, process systems, building envelope, HVAC, lighting, etc. Studies will often require whole building/system analysis using DOE2.2R and other programs.
- Perform field studies, research reports and other consulting projects, working singly or with other VaCom engineers, as well as consultants, contractors, and customers.
- Analyze the operation and performance of large industrial refrigeration systems and related facility processes and production systems, using real operating data, to develop reports on equipment utilization and communicate data driven capital investment opportunities.

Required Capabilities

- BSME degree.
- Strong fundamental understanding of engineering thermodynamics, including refrigeration cycle, psychrometrics and energy relationships.

- Strong computer skills (e.g. MS Office, simulation programs) and demonstrated high quality technical writing skills.
- Demonstrated experience with building/system simulation software tools, and statistical analysis and data visualization software (e.g. Tableau, Microsoft BI).
- Interest in energy efficiency and the HVACR industry.
- High proficiency in written and spoken English.

Beneficial Skills and Qualifications

- Experience in the HVACR industry.
- Prior experience performing energy studies.
- Exposure to control theory or PLC control systems.
- Programming experience (e.g. VB, XML).

Benefits

- Medical, dental, and vision with 80% of the base family health premium paid by the employer.
- Paid vacation, holidays and sick leave.
- 401k Retirement plan with 4% employer match and profit sharing contributions.
- Section 125 medical savings account and dependent care savings account.
- \$25,000 life insurance policy on every employee.

Who We Are

VaCom Technologies, a BITZER Group Company, is a nationally known energy efficiency contracting and technical consulting company specializing in refrigeration systems and industrial facilities. In business since 1992, VaCom's mission is to help our clients optimize the performance and efficiency of their facilities, utilizing our capabilities in analysis, control and monitoring of refrigeration systems.

We design and implement high-value projects for the food and beverage sector and “cold chain” logistics companies, using sophisticated analysis tools, advanced control techniques and careful integration with client needs. Projects achieve improved efficiency, increased reliability and turn-key delivery of utility incentives.

Our project development and delivery approach emphasize+ fundamentally sound engineering methods and state-of-the-art control technologies, supported by ongoing performance analysis using VaCom’s own EnergyDashboard® service to provide clients with the greatest life-cycle value. We design projects that are energy efficient, cost effective, and environmentally sound.