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**Position:**      **Applications Engineer**

Start date:      Immediate

**Unison Energy Overview:**

Unison Energy installs, owns, and operates distributed generation equipment for clients primarily in the Mid-Atlantic, Northeast and California. Unison implements packaged Combined Heat and Power (“CHP”) systems based on natural gas engines. Clients include hotels, industrial facilities, supermarkets, hospitals and other healthcare facilities, refrigerated distribution centers, and data centers. Typical system sizes are from 300kW to 10 MW.

Unison, founded in 2010, is backed by American Infrastructure Funds ([www.aimlp.com](http://www.aimlp.com)) and Hunt Companies ([www.huntcompanies.com](http://www.huntcompanies.com)). Our HQ is in Mamaroneck, NY. Unison’s objective is to have 300 CHP systems operating in our core geographies within the next 5 years.

**Description of the position:**

The Applications Engineer will be responsible for conducting feasibility studies for client sites, serving as a technical expert internally, supporting sales in discussions with customer technical personnel, reviewing external engineering designs and major equipment specifications. The Applications Engineer will work with the Director of Applications Engineering to ensure proper commissioning, maintenance, and measurement and verification plans are in place for all sites.

This is a full-time role that begins immediately. Our team is smart, ambitious, and passionate, and the working environment is energetic and fun. We work well together under regular, tight deadlines. This is a high growth company in an industry that is undergoing tremendous change.

**Responsibilities:**

- Lead feasibility studies for the integration of cogeneration systems of Unison Energy’s clients including site surveys. These studies form the basis for detailed designs during project construction.
- Establish design standards and procedures to manage the work of engineers of record as well as the project teams by assisting in the review of quality assurance and quality control evaluations.
- Provide oversight and assistance with writing and editing of program documents, specifications, and equipment selection for CHP design, installation, commissioning, control, and monitoring functions.
- Develop discipline and project objectives, requirements and budgets with CEO, project management, operations, and finance.
- Lead all technical and regulatory application processes for multiple installation sites including development and submission of utility interconnect applications.

- Attend customer meetings as needed to support sales discussions regarding technical topics with customer engineers.
- Personally, conduct or delegate job-site inspections to ensure projects are adhering to specifications and design intent.
- Participate in reviews with all governing agencies for code compliance in relation to laws, and regulations, codes, and ordinances.
- Participate and lead discipline meetings and design reviews with engineers of record, vendors, and project management staff.
- Adhere to schedule requirements for all phases of project development within the engineering discipline as well as project management and operations.
- Support and or lead an internal design review process for each site, where output will include a detailed sequence of operations, commissioning, maintenance, as well as measurement and verification procedure.
- Support Director of Applications Engineering for any technical questions or system troubleshooting.
- Attend regional and national seminars, and conventions to improve or develop new engineering methods to improve efficiency, technique, and quality.

This position reports directly to the Director of Applications Engineering and will work closely with Project Management and the Director of Operations on a day-to-day basis.

**Qualifications:**

- Bachelor's Degree Electrical or Mechanical Engineering, Master's Degree or other advanced education is preferred.
- 7+ years minimum experience with experience in the energy sector, combined heat and power or utility applications preferred.
- Ability to communicate clearly with diplomacy and tact.
- Participate in an atmosphere of teamwork and individual accountability within the company.
- Ability to lead a team of engineering professionals to meet and exceed project, discipline, and business unit goals while demonstrating practical forethought of hard deadlines.
- Extensive knowledge of building code.
- The following certifications are relevant:
  - Association of Engineers certificated:
    - Certified Energy Auditor (CEA)
    - Certified Energy Manager (CEM)
    - Certified Building Commissioning Professional (CBCP)
    - Distributed Generation Professional (DGCP)
  - USGBC:
    - LEED Green Associate
    - LEED AP Building Design + Construction (LEED AP BD+C)