



**Position:** Applications Engineer  
**Start date:** Immediate

**Unison Energy Overview:**

Unison Energy owns and operates on-site microgrid solutions that provide our clients with significant cost savings, energy resiliency, and reduced carbon footprints in a turnkey solution. We design, build, own, operate, and maintain the on-site generation system through long-term energy service agreements that require no capital investment from our clients. We bill our clients only for energy provided to their facility.

Unison implements microgrid systems employing multiple distributed energy resources including Combined Heat and Power (“CHP”) based on natural gas engines/turbines, solar photovoltaic and battery energy storage. During utility outages, our microgrids enter island mode and power up to 100% of the facility’s load. Our clients include hotel/convention centers, data centers, industrial, food manufacturing and distribution, healthcare, higher education, and package distribution facilities. Typical system sizes are from 500kW to 20 MW. Unison’s objective is to have 300 microgrids operating in our core geographies within the next 5 years.

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 Greenwich, CT.

**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, and developing microgrid proposals. The Applications Engineer will work with the Director of Applications Engineering to implement Unison Energy’s design standards in conceptual designs.

This is a full-time role that begins immediately. The position can be based out of Unison’s main office in Greenwich, CT or remotely located in a target market (e.g., California, Maryland). 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 microgrids at Unison Energy's clients. These studies form the basis for detailed designs during project construction.
- Conduct host client site assessments to evaluate proposed microgrid configurations and facility interfaces.
- Develop thermal load models for various general applications and for specific projects.
- Attend customer meetings as needed to support sales discussions regarding technical topics with customer engineers.
- Review project economic models for alignment with technical specifications
- Provide oversight and assistance with writing and editing of proposal documents, energy service agreements and supplier requests for quote.
- Develop discipline and project objectives, requirements and budgets with sales, EPC and operations teams
- Participate in design reviews with engineers of record, vendors, and project management staff.
- Adhere to schedule requirements for all phases of project development within the sales and engineering disciplines.
- Provide market intelligence on distributed generation and related industries as well as assist in the development of new markets (e.g., energy efficiency, electrification, etc.).
- Attend regional and national seminars, and conventions to maintain knowledge of industry and state of the art.
- Support Director of Applications Engineering for any technical questions or system troubleshooting.

This position reports directly to the Director of Applications Engineering and will work closely with the Sales and EPC organizations on a day-to-day basis.

**Qualifications:**

- Bachelor's Degree Electrical or Mechanical Engineering is required. Master's Degree or other advanced education is preferred.
- 7+ years minimum experience with experience in the energy sector, combined heat and power, solar, storage or other distributed generation 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.
- Knowledge of building codes and national electric code as they pertain to distributed generation.
- 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)