

Position: Electrical Engineer

Location: Danbury, CT

About Our Company:

FuelCell Energy, Inc. (NASDAQ: FCEL) is a global leader in developing environmentally responsible distributed baseload power solutions through our proprietary fuel cell technology. We develop turn-key distributed power generation solutions and operate and provide comprehensive services for the life of the power plant. We are working to expand the proprietary technologies that we have developed over the past five decades into new products, markets and geographies. Our mission and purpose remains to utilize our proprietary, state-of-the-art fuel cell power plants to reduce the global environmental footprint of baseload power generation by providing environmentally responsible solutions for reliable electrical power, hot water, steam, chilling, hydrogen, microgrid applications, and carbon capture and, in so doing, drive demand for our products and services, thus realizing positive stockholder returns. Our fuel cell solution is a clean, efficient alternative to traditional combustion-based power generation and is complementary to an energy mix consisting of intermittent sources of energy, such as solar and wind turbines. Our systems answer the needs of diverse customers across several markets, including utility companies, municipalities, universities, hospitals, government entities and a variety of industrial and commercial enterprises. We provide solutions for various applications, including utility-scale distributed generation, on-site power generation and combined heat and power, with the differentiating ability to do so utilizing multiple sources of fuel including natural gas, Renewable Biogas (i.e., landfill gas, anaerobic digester gas), propane and various blends of such fuels. Our multi-fuel source capability is significantly enhanced by our proprietary gas-clean-up skid.

Overview:

We are currently seeking a highly motivated, forward-thinking electrical engineer to join the Advanced Technology group.

Responsibilities:

This role will be responsible for designing, evaluating and supporting advanced fuel cell-based systems for power generation, carbon capture, hydrogen production and energy storage. This position requires flexibility to work on multiple projects, covering a range of systems and technologies, in various stages of the design or validation process.

- Designs, evaluates and supports equipment for power generation and conversion including inverters.
- Develops engineering drawings (including electrical one-line and three-line diagrams, cable and conduit schedules, and equipment wiring diagrams).
- Prepares documentation for engineering changes and product design verifications.
- Evaluates components and processes used in distributed generation systems.
- Writes procedures, specifications, and preventative maintenance plans.
- Selects components and equipment based on analysis of specifications.
- Performs data analysis and interpret data.
- Configures / programs electrical devices such as variable frequency drives.
- Provides engineering support to service personnel.
- Other projects as assigned.

Qualifications:

Education: B.S. in Electrical Engineering, or a related discipline

Experience: Minimum of 3 years of applicable commercial work experience with power systems, clean energy, commercial electrical or facility support; or related work in a formal engineering environment.

Candidate must have demonstrable knowledge/experience in:

- Power Distribution and Conversion (DC-AC, DC-DC, AC-DC)
- Renewable Energy or Utility Equipment, Electrical Equipment Selection and Review of Vendor Data
- Electrical Equipment Bid Packages
- Electrical Systems Design: Single Line & Three Line Drawings, Wiring & Interconnect Drawings, Electrical Layouts & Details, Power Distribution Drawings, Panel Layout & Design Drawings, Arc Flash Safety and Calculations
- Power Metering and Controls
- National Electrical Code and Safety Standards, UL 1741, IEEE 1547, and NFPA 70 & 79
- Engineering Documentation Processes
- Proficient in Microsoft Office (Word, Excel, PowerPoint)

Physical Requirements/Working Conditions:

- Must be able to work physically in the office environment, lab environment and in the field
- Walking/standing/working in an office, lab, fabrication area, or designated installation site environment
- Periodic work outdoors in a power plant environment during commissioning activities.
- Lifting up to 25 lbs., utilizing both hands simultaneously, utilizing hand tools, test equipment
- Be able and willing to wear required Personal Protective Equipment (PPE) as designated such as safety glasses, safety shoes, hard hats, respirator, and other PPE as required.
- Travel: up to 15% domestic or international
- Have or be able to obtain a Passport

How to Apply - External Applicants

Please submit a copy of your resume, **along with the voluntary self-identification forms listed on our career site,** to **jobs@fce.com**. Please **reference the Position (Job Title and Job ID)** in the subject header of your email.

Please note only those authorized to work in the United States will be considered.

How to Apply - Current Employees Only:

Please **reference the Position (Job Title and Job ID)** in the subject header of your email. Also, please email/contact your HR representative that you have applied.

Equal Opportunity Employer - Vet/Disability

We offer a competitive compensation package as well as comprehensive benefits including medical, dental, vision, company-paid life/disability insurance, 401(k) plan, employee stock purchase plan and generous paid leave.

Employment with FCE is subject to pre-employment drug-screen and background investigation.

FuelCell Energy, Inc. is committed to ensuring that its application process provides an equal employment opportunity to all U.S. job seekers, including individuals with disabilities.

*If you believe you need a reasonable accommodation in order to search for a job opening or to submit an application, please send an email with your resume to **jobs@fce.com** or contact us by calling **203-205-2070**. Please indicate the specifics of the assistance needed.*

NOTE: *This dedicated phone line is designed **exclusively** to assist disabled job seekers whose disability prevents them from emailing. Only messages left for this purpose will be acknowledged. A response to your request may take up to two business days.*

No agency submissions please. Resumes submitted to any FuelCell Energy employee without a current, signed and valid contract in place with the FuelCell Energy Recruiting team for this position will become the property of FuelCell Energy and no agency fees will be paid.

