

# Systems Engineer



## About the Company

MicroEra Power is located in a StartUp NY Clean Energy Commercialization Center in Rochester, NY. The facility previously hosted major corporate users for fuel cell development. The company is a member of the Clean Energy Business Incubator Program (CEBIP) at Stony Brook University, and Greentown Labs at Boston/Houston. The company is venture backed.

The energy landscape is changing rapidly and innovation plays an important role. MicroEra Power is positioning to pilot a thermal energy storage solution for low-carbon and low-cost heating and cooling for commercial buildings. Seeking intelligent, capable people to join the team as we prepare to pilot, demonstrate, and launch into the marketplace!

## Role Description

- System Model and optimize a Thermal Energy Storage system with varying components striving to predict actual performance
- Generate and maintain Thermal FEM and CFD models
- Predict performance of HVAC hardware and software integrations with Thermal Energy Storage
- Application building modeling & profiling in response to customer requirements
- Analyze & prepare the use cases of a Thermal Energy Storage system
- Coordinate with prototyping teams on requirements and specifications
- Conduct design reviews through the product development process
- Analyze technical risks associated with systems
- Develop and maintain controls framework for various prototype and demonstration systems

## Job Qualifications

- Previous experience (3-5+ years) in HVAC applications at the commercial or industrial scale
- BS and/or MS in Engineering or related field
- Skilled at creating and reviewing technical schematics, logical and functional diagrams, and engineering specifications
- Working knowledge of HVAC design and innovation trends
- Matlab Simulink or other physic-based model, lab controls and data acquisition controls software experience desired
- Excellent problem solving, communication, and technical writing skills

Apply Here: <https://forms.gle/QLjhWymTBLwaSM8Y8>

Questions or other inquiries? Email [info@microerapower.com](mailto:info@microerapower.com)