



## **Senior Mechanical Engineer - Energy Consulting**

**Full time | Madison or Chicago location**

The toughest energy challenges demand the sharpest minds. That's why Seventhwave is looking for a Mechanical Engineer for our growing Energy Consulting Team! Are you:

- Excited to implement technology, controls and other smart applications coming online?
- Passionate about high performance and net-zero buildings?
- Looking for your tribe of forward-thinking engineers doing meaningful work?

Then let's connect!

Seventhwave is a nonprofit, mission-driven organization taking on the complex issues surrounding equitable sustainability, better buildings and the clean energy future. Our team has a passion for pushing the envelope and finding answers to the most perplexing questions. Customers engage us because they trust our reputation for technical expertise, scientific approach and proven solutions that provide real energy savings for real impacts across local, regional and national projects and programs.

We do this because we make a difference! Ready to make one, too?

### **About the role:**

- Help clients to envision more energy efficient buildings and systems; generate ideas and support for new efficiency or renewable strategies.
- Evaluate and consult on comfort and quality impacts of design options with significant focus on HVAC.
- Consult on energy impacts of lighting, architecture, and other systems.
- Use (and manage use of) load calculation and energy modeling software to inform design decisions.
- Clearly communicate results to clients and partners in written, graphical, and presentation formats.
- Manage several projects (and associated teams) at one time.
- Lead innovations in internal tools, process and practice; mentor junior staff on such practices.

### **Required qualifications:**

- A bachelor's degree in engineering, preference for mechanical engineering.
- Ten to fifteen years relevant engineering experience.
- Proven expertise in designing and communicating different HVAC, controls and building energy system options.
- Excellent communications skills and ability to engage with customers.
- Proven project management experience.
- Experience with load analysis and/or energy modeling, or managing energy modeling services
- Knowledge of relevant building energy codes and ASHRAE standards.

- Ability to mentor junior staff and generally work well in a team environment.
- Knowledge in advanced energy management systems and controls.

**Desirable experience:**

- Experience designing different HVAC systems including VAV, heat pumps, radiant and hydronic systems, VRF, dedicated outside air, etc.
- Analysis of indoor environmental considerations such as IAQ, thermal comfort, lighting and glare.
- Experience with energy storage, smart grid technologies, or demand response
- Ability to communicate ideas through sketching and layout of storyboard concepts to non-technical audiences.
- Programming/scripting languages such as Python.

Apply online at [www.seventhwave.org/jobs](http://www.seventhwave.org/jobs)