



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:

- Work with clients to envision more energy efficient buildings and systems; generate ideas and support for new efficiency or renewable strategies.
- Evaluate comfort and quality impacts of design options with significant focus on HVAC.
- Converse in energy impacts of lighting, architecture, and other systems.
- Use load calculation and energy modeling software to inform design decisions.
- Clearly communicate results in written, graphical, and presentation formats.
- Manage several projects simultaneously.
- Drive innovation in internal tools, process and practice.

Required qualifications:

- A bachelor's degree in engineering, preference for mechanical engineering.
- Minimum four years relevant engineering experience.
- Proficiency in working with and communicating HVAC, controls and building energy system options.
- Proficiency in thermal science, and building design and construction processes.
- Excellent communications skills and ability to engage with customers.
- Experience with energy and/or load analysis, including software such as Trane TRACE, eQUEST, EnergyPlus or other similar software.
- Knowledge of relevant building energy codes and ASHRAE standards.
- Proficient in basic computer software such as MS Office and Autodesk.
- Work well within a team environment

Desirable experience:

- Knowledge in advanced energy management systems such as fault detection.
- Experience designing different HVAC systems including VAV, heat pumps, and hydronic systems.
- Knowledge of indoor environmental considerations such as IAQ, thermal comfort, lighting and glare.
- Ability to communicate ideas through sketching and layout of storyboard concepts to non-technical audiences.
- Programming/scripting languages such as Python.
- Working knowledge of Adobe Creative Suite.

Apply online at www.seventhwave.org/jobs