



Mechanical Engineer-Mid to Senior Level

Metro Detroit Area, Michigan

As a mid-level to senior mechanical engineer with Energy Sciences, you will join our team of degreed and licensed engineers, scientists, and energy efficiency professionals to meet the energy use challenges of commercial and industrial facilities. We're looking for experienced and talented technical team members to assist our clients, from small businesses to Fortune 500 companies, in making their building systems work, identifying energy-savings opportunities, reducing waste, and saving money. You will play a key role in a growing company that is dedicated to driving our vision of a sustainable and socially responsible energy future, working in an exciting, collaborative environment.

This position has a hybrid home-based office and in-person office in the Greater-Detroit area. Up to 35% local travel is required. A local candidate is preferred.

Your background

Bachelor's degree in mechanical engineering.

BCA CCP, EBCP, CMVP, PE certification a plus.

Five to seven (or more) years of experience with:

- Retro-commissioning of HVAC, plumbing, electrical, and BMS systems
- New building systems commissioning
- HVAC assessments for equipment condition evaluation
- HVAC assessments to identify energy savings opportunities
- Engineering and economic analyses based on trending, bin weather data, and regression analysis
- ASHRAE level I, II, III energy auditing for commercial and industrial facilities
- BMS review, trending, and field measurement and verification work
- Utility company energy efficiency programs engineering support a plus
- Knowledge of buildings systems including HVAC, pumps, chilled water, hot water, steam, industrial processes and compressed air
- Working on-site with commercial and industrial customers and trade contractors
- Writing technical reports and delivering presentations
- Utilizing tools such as Microsoft Office and advanced skills using Excel
- Managing project scope, schedule, and budget
- Project management

Day to day

- Assessing existing system conditions and operations.
- Identifying and quantifying energy efficiency opportunities.
- Performing energy and economic analyses.
- Monitoring and diagnosing HVAC system issues.
- Reviewing energy assessments, opportunities, and calculations.
- Collaborating with customers, assisting with technical questions and developing projects.
- Developing commissioning documentation, including systems and equipment checklists and test procedures.
- Administrating commissioning process onsite, leading the team from pre-design through post-occupancy phases of the work.
- Preparing reports and delivering presentations.
- Conducting site surveys and facilities assessments.
- Mentoring other technical team members to teach commissioning and energy engineering fundamentals.
- Managing commissioning projects as the lead commissioning authority.
- Managing utility energy efficiency programs.

About you

- You are a collaborative, enterprising individual who likes to work in an open team environment.
- You are a team player.
- You are a highly motivated self-starter who takes initiative.
- You can raise the performance bar and energize the entire team.
- You are excited about challenging the status quo and offer creative ideas for growth.
- You are a hard worker who can work with autonomy and independence.
- You have excellent verbal and written communication skills.
- You are able to make quick and sound decisions.
- You are able to develop solutions to a variety of complex problems.
- You are able to set priorities, coordinate multiple projects, work independently, and meet critical deadlines.

Benefits

We offer an excellent full-time benefits package including DAY 1 benefits (medical, dental, vision, life, STD, LTD) a retirement plan with match, profit sharing, 13 paid holidays and 120 hours of paid time off starting in year 1.

More about Energy Sciences

Energy Sciences is on a mission to create a more sustainable and socially responsible energy future. We value working as a team, questioning the status quo to find new and better ways, doing our work with integrity, as well as taking responsibility and initiative to get things done. We provide professional consulting, training, and energy management services to commercial, industrial, and municipal sectors, delivering customized solutions and sustainable strategies.

Additional information

Energy Sciences is an equal opportunity employer and all qualified applicants will receive employment consideration without regard to race, color, religion, national origin, sex, disability status, protected veteran status or other characteristics protected by law.

If you are interested in applying, please submit your resume to info@esciences.us.