



**Position Title:** Development Energy Engineer

**Department:** Engineering

**Reports to:** Engineering Manager

**Wage Range:** \$90,000 to \$110,000 + annual bonus incentive

**FLSA Status:** Exempt

**Date:** 2023

**Location:** Westminster, CO

**Benefits include:** Medical, dental, vision, 401K, Long Term Disability, Short Term Disability, AD&D, PTO, Employee Assistance Program, additional optional insurances

### **Job Summary**

MTech Mechanical is a leading mechanical design / build contractor in Colorado, and most projects are negotiated in a design build/assist arrangement. Projects are very technical, and include labs, cleanrooms, office buildings, process systems, and data centers. MTech's reputation is built on providing reliable technical expertise and maintaining long-term client relationships.

We are seeking an Development Energy Engineer with a focus on energy in municipal, educational, healthcare and commercial buildings, to help clients develop strategies to meet energy, GHG and resiliency goals. The development energy engineer position centers on the assessment of utility bills, helioscopes, and the associated energy impacts in existing and new buildings related to lighting, HVAC and plumbing systems and provides retrofit and upgrade solutions for our customers to meet their energy and utility reduction goals. This candidate will be a technical leader within MTech and will support the growth of a business unit focused on energy reduction and sustainability goals.

### **Essential Job Function**

- Leading the development of community- and portfolio-level energy strategies, considering, among other things: energy conservation, building electrification, onsite energy generation and storage, district energy, microgrids, infrastructure resilience, and monitoring and control systems.
- Technical assessments of building/campus energy demands and potential supply strategies using a combination of modeling, proprietary software, and the development of customized analysis tools.
- Assisting in preparing and presenting results and recommendations, in report or presentation format, to clients and design teams.
- Utility bill analysis and recommendations based on industry standards for natural gas, electricity and water.
- Prepare feasibility study reports and investment grade audits to propose technical viability of proposed energy conservation measures and energy saving capital projects to generate the anticipated energy and process improvements; assessments include review of baseline conditions/calculations, ECM savings calculations, and ECM scopes, M&V approach/plans, capital cost estimates, operating parameters, engineering drawings and project submittals.
- Solicit Lighting audits with our partners to find potential savings and recommendations for replacement or retrofit.

- Lead the efforts with renewable and BESS storage partners to create, finance and implement solutions with the associated utility tariffs and grant opportunities.
- Assist the Preconstruction team with project pursuits, in the form of energy assessments, conceptual designs, one-lines, preliminary system selections and high-level energy analysis, code reviews, and support and attendance at project interviews (as required).
- Coordination with other trade partners including architects, general contractors, and other design disciplines; and ability to work collaboratively and present solutions.
- Evaluate design parameters and system solutions for projects that respond to both the energy and budget requirements of the project.
- Prepare HVAC load calculations and energy analysis; mechanical system sizing and equipment selections and develop a working knowledge of codes and reference standards.
- Establish and manage engineering design budgets with Project Managers and Pre-Construction teams in house and with partners
- Works with other departments within MTech to provide technical expertise in a support role.
- Acts as a technical leader for energy code changes and jurisdiction requirements including Energize Denver and throughout Colorado.
- Regular and predictable attendance is expected in order to meet the requirements of this position.

### **Qualifications**

- Bachelor's Degree in Architectural or Mechanical Engineering required from an accredited college or university.
- Certified Energy Engineer or Certified Energy Manager - Preferred
- Demonstrated proficiency as an Energy Engineer
- Minimum of 7-10 years of engineering experience required with skills in energy design / build projects.
- Strong proficiency in Windows operating environment, including email and Microsoft Office software.
- Strong interpersonal and decision-making skills.
- Ability to effectively communicate with people at different levels within the organization.
- Demonstrated ability to work in a team environment or independently, flexibility to adapt to changing needs/situations.

### **About MTech**

For 20 years, MTech has had a goal to build a great company with a great reputation. With that in mind, we want an incredible team. With our values of integrity, commitment, excellence, growth and fun, we are looking for amazing individuals to build upon our success.

Our team members are our greatest asset, and we have a people-centric culture. We value the contributions they make towards growing MTech into being the premier design-build mechanical contractor in Colorado. MTech provides an environment that promotes genuine communication so that our team members can freely collaborate. We offer competitive employment packages and care about everyone's safety and wellness – we show this through initiatives like Mental Health Month, Employee Assistance Programs and Construction Inclusion Week participation.

Approximately 500 individuals make up our teams across Colorado. We inspire and develop our talent with internship opportunities, an in-house training program and 100% company paid apprenticeship programs in sheet metal, pipefitting, plumbing and service. We also provide specialty training on topics such as medical gas certifications, DORA required Plumbing continuing education classes, various vendor trainings, CPR/First Aid and others. We also offer soft skill classes on topics such as Bias & the Brain (The Inclusion Series), Building a

Culture of Trust, Navigating Conflict, and others. High-quality training enables our team members to exceed expectations in their roles and fuels the passion behind our company.

We are proud to of the amazing projects we have completed in our communities. This list includes projects such as McGregor Square, UCCS Hybl Sports Medicine & Performance Center, AIMS Community College Welcome Center, Vail Health, Grand Colorado Peak 8 at Breckenridge Ski Resort, NREL and many more.

Working for MTech provides the opportunity to work on a variety of different projects such as Healthcare, Higher Education, Data Centers, Cleanrooms, Office Buildings, Multi-Family, Biotech & Pharmaceuticals, and others.

### **Americans with Disability Specifications**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is required to stand; walk; sit; use hands to finger, handle, or feel objects, tools or controls; reach with hands and arms; climb stairs; balance; stoop, kneel, crouch or crawl; talk or hear; taste or smell. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by the job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

### **Work Environment**

This position takes place in a general office environment. Work is generally sedentary in nature but may require standing and walking for up to 20% of the time. The work environment is generally favorable. Lighting and temperature are reasonable. Work is generally performed within an office environment, with standard office equipment available.

This Job Description is not a complete statement of all duties and responsibilities comprising this position and may change with or without notice.

MTech Mechanical is an EEO Employer and does not discriminate based on age 40 and over, color, disability, gender identity, genetic information, military or veteran status, national origin, race, religion, sex, sexual orientation or any other applicable status protected by state or local law.