

SR. ENERGY ENGINEER

An Energy Engineer with 5-10+ years of experience leading the assessment, optimization, and performance improvement of existing building systems, primarily HVAC and building automation systems, to reduce energy use, improve occupant comfort, and enhance operational reliability. The role combines field investigation, data analytics, and client-facing project management to deliver measurable energy savings and system performance improvements.

Key Responsibilities

- Conduct/lead on-site RCx investigations, functional testing, and system diagnostics for commercial and institutional buildings.
- Analyze BAS trend data, equipment performance, and control sequences to identify operational deficiencies and energy-saving opportunities.
- Develop and implement energy conservation measures (ECMs), including HVAC optimization, scheduling improvements, and control strategy updates.
- Prepare technical reports, findings, and recommendations for building owners, facility teams, and project stakeholders.
- Manage multiple RCx projects, including scope development, scheduling, vendor coordination, and progress reporting.
- Collaborate with design engineers, facility operators, and commissioning teams to ensure integrated system performance and long-term energy savings.

Required Qualifications

- Bachelor's degree in Mechanical, Electrical, Energy Engineering, or related field.
- 5-10+ years of experience in retro-commissioning, energy auditing, HVAC optimization, or building performance engineering.
- Strong technical knowledge of HVAC systems, BAS/BMS, lighting controls, and energy management strategies.
- Proficiency with diagnostic tools, BAS data analysis, and energy calculations.
- Excellent communication skills and experience working directly with clients and facility teams.

Preferred Qualifications

- Professional certifications such as PE, CEM, BCxP, or EBCP.
- Experience with ASHRAE commissioning guidelines and utility RCx programs.

Location Options for this Position

- Chicago, Illinois
- Madison, Wisconsin
- Des Moines, Iowa
- Remote

Please contact us at contact@q-dsm.com if you are interested in learning more!