CrosierKilgour
Structural Engineering & Building Performance
Strong Relationships, Enduring Solutions.

ENERGY MODELLING SPECIALIST

Currently, we are looking for an Intermediate Energy Modelling Specialist in response to a growing workload within our Building Performance Assessment practice.

Location: Saskatoon or Winnipeg

Hours: Daytime hours, Monday to Friday

Job Type: Full-time, permanent, in-office position

Job Responsibilities:

You would join our group of Engineers and Technologists as a Building Performance Analyst. We work as a team, taking on growing responsibilities as we challenge each other to improve. Our work includes:

- Generate whole-building energy simulations using IES-VE, interpret results, make recommendations, and prepare reports documenting analysis and results
- Interpret architectural, mechanical, electrical, structural, and control system drawings, specifications, and data sheets to accurately represent building characteristics in energy modelling software
- Assist design teams in achieving sustainable building certifications such as LEED, Green Globes, and Zero Carbon Buildings and compliance to current National Energy Code for Buildings, ASHRAE 90.1, and incentive program (such as GICB and CMHC MLI Select) requirements
- Provide recommendations early in design to achieve cost-effective energy performance
- Prepare performance compliance documentation for code authorities, incentive programs, and certification organizations
- Perform energy analysis on existing buildings including calibrated energy modelling, field surveys, feasibility studies, and energy audits
- Perform other technical analyses and research as necessary to support our building performance team: thermal bridging analysis, carbon accounting, life cycle assessments, air-tightness test interpretation, daylighting simulation, thermal comfort analysis, building resilience studies, and researching codes
- Promote the continuous improvement of our building performance assessment practice
- Work as part of a dedicated energy modelling team in which collaboration, mentoring, training, and inspiring one another to be sustainability experts is expected

Candidate Requirements:

Our building performance analysts are constantly learning and challenging each other. As a member of our team, we expect you to have the following qualifications, with more depth and breadth expected for more experienced applicants.

- Degree, diploma or certificate in an applicable field (Mechanical/Electrical Engineering, Applied Science (Mechanical/Electrical/Controls), Building Science, Energy Efficiency, etc.)
- Familiarity with building energy codes and standards (NECB, ASHRAE 90.1, 209, 55, 62.1) as well as sustainable building programs (LEED, Green Globes and the Zero Carbon Building standard)
- Experience with energy simulation and building science tools such as IES VE, CanQuest, RETScreen, THERM, and Athena tools
- Knowledge of building design and construction processes, codes, and standards as well as HVAC systems, energy analysis methods, sustainable design principles, thermal science, and daylight/lighting/electrical design
- A conviction that improved building energy performance and resilience is essential for society to mitigate the worst impacts of climate change
- Collaborative and team-oriented approach to work with excellent written, oral, and interpersonal communication skills, both in person and via Teams
- Proficient in Microsoft Office Suite (Word/Excel/SharePoint/Teams/OneNote)
- Effective time management skills and ability to shift focus between changing priorities
- Must be eligible to work in Canada
- Must be able to pass government security clearances

Compensation:

- Competitive compensation package, including bonuses
- Group Health Benefits
- RRSP Matching
- Paid Professional Development
- Paid Professional Association Dues
- Fitness Spending Allowance

Please e-mail your application to careers@crosierkilgour.com. Although we appreciate all applications, only those short-listed will be contacted for an interview.

Application Deadline: Open