



Senior Energy Management / Mechanical Engineer

Willis Energy Services is a leader in creating innovative solutions to improve industrial energy efficiency and develop viable self-generation projects and programs for our clients. With more than 20 years of experience Willis Energy Services is Canada's largest Conservation and Demand Management (CDM) program implementation consulting firm. To support our growing operations in Ontario, we are currently seeking a **Senior Mechanical Engineer for our Energy Management team**.

The **Senior Mechanical Engineer** is responsible for providing technical and financial assessments of capital projects and plans. The assessments will include the review of feasibility studies and project detail design documents to ensure proposed capital projects will generate the anticipated energy and process improvements. You will review engineering drawings, capital cost estimates, and operating parameters of retrofit projects within existing heavy industrial facilities. Through written reports you will provide recommendations towards funding capital projects that improve energy efficiency and process improvements.

Responsibilities include:

Drawing on your extensive experience with industrial processes and motor-driven systems to:

- Conduct walk-through audits of industrial facilities to identify energy conservation opportunities
- Assess feasibility study reports for technical viability and accuracy
- Prepare information requests for clients/consultants to address deficiencies
- Recommend appropriate project investment metrics to our clients
- Attend commissioning and acceptance testing to verify performance of projects

Utilizing your extensive interpersonal and communication skills to:

- Prepare a variety of reports to manage and monitor project progress
- Present analysis and justify recommendations to clients
- Maintain organized files and report activity to management on a regular basis
- Collaboratively work with a multi-disciplinary engineering team to ensure responsibilities are completed to professional standards
- Provide guidance and mentoring to junior staff

The ideal candidate will have:

- Bachelor of Applied Science in Mechanical Engineering
- Professional Engineer licence in Ontario or be eligible to register
- Experience in application of electrical energy conservation measures in large industrial systems
- Minimum 10 years of experience in engineering design of motor-driven mechanical systems within heavy industry such as mining, petroleum refining, cement, forestry, chemicals, or steel manufacturing
- 5 years engineering team lead experience
- Strong capability to quickly identify and assess the appropriateness of engineering calculations
- Experience with and ability to provide strategic insight into the production and financial decision-making within an industrial and/or manufacturing setting
- Proficiency with MS Office, particularly spreadsheet, word processing, and presentation software is required.
- Strong oral and written communication skills and ability to work well with all levels of management, staff and clients
- Demonstrated initiative and ability to remain organized while handling multiple priorities in a dynamic work environment
- Experience in an engineering services company or consulting firm is preferred
- Experience and certification in Lean, Six Sigma, or other process improvement methods is an asset

To apply:

Interested candidates should send their application to careers@willisenergy.com. **Please state Sr. Energy Management / Mechanical Engineer in the subject line.** Although we thank all applicants who apply, only those selected for an interview will be contacted. No phone calls please.