

## **Senior Mechanical Engineer- Mississauga, ON**

### **Responsibilities**

- Preparing of equipment specification and technical bid packages
- Sizing of equipment, and the inter-connections to ensure satisfactory process performance
- Input into Piping and Instrumentation Diagrams (P&ID)
- Support on the general arrangement of the process
- Preparation of technical specifications for tendering and construction phase
- Provide support during construction, commissioning, start-up and the performance tests of the project
- Verification of project documents
- Develop and recommend improvements in design standards
- Exercise initiative in adapting and applying procedures to address unusual situations and to resolve issues
- Assign and outline work advises on technical problems and review work for technical accuracy and adequacy

### **Requirements**

- Profession Engineer of Ontario (P.Eng) with minimum 10+ years of working experience in a Canadian consulting firm related to power plants, mining, oil & gas or other industrial projects
- Knowledge in rotating equipments, pressure vessels and material handling systems
- Knowledge in transport and storage of hazardous fluids
- Specific knowledge in piping, and specifically alloyed piping, in terms of definition, specification, calculation, sourcing, prefabrication and assembly
- Knowledge of the following computer tools: CEASAR II, PipeFlo, Fathom, AutoCAD
- Proven working relationships with colleagues, officials and associates for the purpose of discussing design problems, explaining design features and specifications and other project control criteria
- Must be able to obtain a federal security clearance