



PROCESS ENGINEER (P.Eng) – Fort McMurray

Capital Engineering (Capital) is a multi-discipline engineering firm focused on business within Alberta that undertakes all aspects of project development including:

- Feasibility and Scoping Studies
- Detailed Engineering
- Project Capital & Life Cycle Cost Estimates
- De-bottlenecking & Plant Optimizations
- Procurement and Expediting
- Project and Construction Management
- Shop and Field Inspections
- Commissioning and Start-up

Capital recently secured several new exciting long term contracts in Alberta within various industries. As a result, we are looking for talented and energetic professionals with Canadian experience to become part of our team.

Job Duties/Responsibilities

- Provides specialized day to day and long range engineering services of process controls for the achievement of operating objectives and the solution of specific problems;
- Develops and monitors process control applications and provides troubleshooting and enhancements as required by production, maintenance and engineering personnel, and produces or updates associated documentation (management of change, control narratives, P&IDs, S/D keys, data sheets, etc.);
- Provide day-to-day technical support on Alarm Management and Operator DCS Interface Optimization;
- Provide day-to-day technical support on process control systems and process control related tasks;
- Collect and analyze process data, perform step testing, identify key (control, deviation, and manipulated) variables, and develop process control models for all operating modes;
- Assists operating and maintenance personnel on hardware, software, analysis and optimization issues relative to process control;
- Identify opportunities where process control applications will improve process efficiency and operational consistency;
- Participates in planning by providing original and ingenious approaches to the practical and economical solution of problems; Achieves timely completion of identified projects and identify areas where process control can maximize plant process efficiency;
- Develop detailed project scope, cost estimates and benefits to justify PC projects, secure funding. Implement and manage budget and schedule of justified projects;
- Oversee and ensure that contractors assigned to your responsibility meet quality, cost and schedule targets;
- Keeps well informed of the latest technological developments relating process controls;
- Support Turnaround planning and execution.



Education/Experience

- Bachelor's degree in Chemical Engineering or Applied Science or its equivalent, with more than 10+ years of diversified process plants support-development and/or design experience from the graduation level either as client, consultant or contractor;
- Plant site experience as a process control engineer in oil and gas process facilities;
- DCSs and PLCs experience;
- Deep knowledge of Plant Safety Management requirements, including management of change principles;
- Process control and advanced control engineering specialization is highly desired;
- Versed in current industry standards and recommended practices and a practical sense in applying such references;
- Demonstrated experience on basic process control techniques, preparation of control narratives, safety shutdown documents, P&IDs, and related documents.
- Experience with alarm management;
- Strong organization planning and new infrastructure development skills;
- Experience with the design and implementation of IEC 61511 compliant systems;
- Demonstrated experience in hands-on support of operations, technical and maintenance work teams;
- Prior experience with Delta V DCS and Foundation Fieldbus will be considered an asset;
- Polished, professional written and verbal communication;
- Experience and process knowledge in some of the following processes: Steam Generation / Utilities, SAGD Bitumen Production, Water Treatment Plants, Crude / Vacuum Distillation, Hydro treating / Hydrodesulphurization / Hydrocracking, Gas Treating & Sulphur Recovery;
- Must have strong MS Office skills (Word, Power Point, Excel, Access & Outlook).

If you want to become part of our innovative and dynamic team please submit resumes in strict confidence to: careers@capitaleng.ca

Capital Engineering is an equal opportunity employer and we thank all applicants for submitting their resume; however, only those candidates considered for employment will be contacted.