



INSTRUMENTATION DESIGNER – Ft. 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

- Adherence to the Nexen Corporate data handling and storage practices as it pertains to Instrumentation deliverables;
- Assist Instrument Engineering with preparation of engineering packages including field assessments, assigning & approval of tag numbers, and generation of loop drawings, data sheets & wiring diagrams;
- Interact with engineers and other designers, specialists and operations personnel for developing work packages;
- Ensure safe designs in line with applicable engineering design standards;

Maintain projects SmartPlant Instrumentation

- Monitor and inspect field construction activities and ensure that the respective installations comply with design requirements and specifications;
- Interface with team members to ensure standard engineering deliverables are maintained and managed appropriately;
- Ensure procedures are in place for possible quality audits;
- SPI Redline incorporation (As-Builts) of Instrument Index, Instrument Datasheets, Instrument Loop Drawings, Instrumentation Panel Strip Reports, and Foundation Fieldbus Segments in an accurate and timely manner;
- First line SPI support for site personnel as it pertains to all SPI databases representing the operating Plants; this includes interfacing with Nexen Corporate SPI 2nd line support;
- Provide SPI training to Operations personnel;
- Administer User Group permissions, and site user accounts;
- Site governor of Nexen SPI Corporate standards, procedures, workflows, and guidelines;

Taking direction from the Corporate SPI Administrator



- Site coordinator for SPI data dissemination for maintenance and operations concurrent projects. Interfacing with the Nexen Corporate SPI Administrator to ensure Projects have timely access to the required data; and
- Autocad and Microstation drafting.

Education/Experience

- A minimum five (5) years of Instrumentation Design experience for Oil & Gas, Refinery, Petrochemical or Heavy industrial projects, in an EPC environment and or operating company;
- A minimum five (5) years' experience using IN-TOOLS design software;
- High competence level in SPI, Smart Plant Instrumentation (Intools);
- Intermediate level of competence in Microsoft Word and Excel;
- Ability to create complex detailed design drawings and documentation used for construction bid package and for inquiring/ordering instrumentation;
- Ability to plan and organize work effectively while working on several projects simultaneously;
- Effective oral and written communication skills;
- Ability to work with design sketches;
- Knowledge and understanding of instrument selection and sizing programs, instrument specification and procurement programs, instrument databases, wiring methods, and accepted installation practices;
- Experience of interfacing with other disciplines, specifically, electrical and mechanical;
- Ability to be self-directed and work independently;
- Knowledge of DCS and PLC systems;
- Experience with Autocad v2008 and Microstation v8 is required; and
- Experience with Smart Plant Electrical and Smart Plant P.

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

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