

FEDERATION ENGINEERING

Job Title	<i>Senior Electrical Engineer</i>
Reports to	<i>Electrical Manager</i>
Location	<i>Calgary, AB</i>

Job Purpose

This is an exciting opportunity to play a key part in the evolution of Federation! We are looking for a keen up-and-comer with broad electrical, instrumentation, and/or controls experience in industrial projects.

The Electrical Engineer will be engaged in projects ranging from refinery and gas projects, oilsands, energy generation, and SAGD, among others. This position will include electrical design for integration, generation of reports and analysis, and any additional tasks as directed by the Project Lead. Under the guidance of the Calgary Area Manager, work shall be completed within the project schedule requirements while maintaining high quality. Work will range from conceptual studies through detailed engineering. This individual will also work closely with other disciplines to achieve optimal project outcome.

Key Duties and Responsibilities**Electrical Design:**

- Develop electrical design for industrial and oil and gas facilities
- Create power system drawings, such as single line diagrams, MCC layouts, cable schedules, and contactor panel wiring schematics
- Create control system drawings, PLC/DCS cabinet layouts, control schematics, and wiring schematics
- Prepare equipment specifications and datasheets
- Carry out technical evaluations and vendor documentation review
- Communicate with vendors and contractors as required
- Participate in HAZOPs and close out action items
- Write detailed engineering reports, studies, and briefs
- Coordinate with other disciplines to ensure a timely and accurate flow of design information, while ensuring departmental and client standards are maintained
- Develop and recommend improvements in design standards to lower costs, improve work quality and facilitate plant maintenance

Build and Cultivate Client Relationships:

- Identify and pursue new business opportunities
- Engage current and potential clients in the marketplace
- Cross sell engineering and/or construction services to clients
- Provide exceptional client service – dependable, responsive, sensible
- Collaborate with other account managers and Federation leadership to create and refine business development strategies and goals
- Develop proposal strategies that utilize the team's strengths to gain a competitive advantage

- Through a solid understanding of clients' needs, develop innovative solutions and recommendations to meet or exceed expectations
- Take initiative in ensuring clear communication from clients to the technical delivery team and other stakeholders

Project Management:

- May be required to act as a single point of contact for the client in electrical-only projects
- Provide input into estimates for prospective client project

Office Leadership:

- Contribute to a dynamic workplace culture.

Other duties and responsibilities as required.

Qualifications

Skills and Experience:

- Degree in Electrical Engineering with 7+ years of experience
- Registered as a P.Eng. with APEGA
- Experience/exposure to business development in Canadian EPC and/or oil and gas industries.
- Experience with front-facing client communication and familiarity with market segments and clients.
- Experience working on Management of Change (MOC) projects
- Experience in O&G/Chemical/Petrochemical industries is an asset
- Working knowledge of Microsoft Office software (Word, Excel, Outlook)
- Self-starter with the ability to work independently when required
- Strong experiences in interdisciplinary coordination
- Proficiency in MS Office Suite programs used to create reports and documents
- Field or shop experience is an asset
- Valid driver's license required

Personal Characteristics:

- Strong communicator internally (up and down) and with clients
- Believes in making long term business relationships with team members and clients – playing for the long game
- Technically broad-minded, generalist, not afraid of delving into technical issues across the engineering spectrum
- Self-starter, independent worker, dedicated, and dependable
- Decisive, willing to make well reasoned decisions and accountable for decisions
- Leadership skills desired: high emotional intelligence, high integrity, lack of ego (humility)
- Interested in investing in a long-term career with a growing company

Working Conditions

Federation believes in providing flexible working arrangements for our office personnel. The Calgary office is located downtown in order to be proximate to the offices of our key clients and offers a hybrid schedule to our employees.

From time to time, travel to client sites or other Federation offices may be required (up to 10%).

Job Types: Full-time, Permanent

Benefits:

- Casual dress
- Company events
- Dental care
- Disability insurance
- Extended health care
- Flexible schedule
- Life insurance
- Paid time off
- RRSP match
- Vision care

Schedule:

- Monday to Friday

Work Location

- Hybrid remote in Calgary, AB