



Intermediate Electrical Engineer

Purpose of the Position:

The Intermediate Electrical Engineer, under the direction of the Project Manager and the Senior Electrical Engineer, will be responsible for coordinating their design activities along with the work of Design Engineers, Engineering Technologists and Design Draftspersons preparing electrical drawings and specifications for contract documents.

Responsibilities:

- Prepare reports and technical documents including:
 - Electrical equipment and components selection, sizing, and specification
 - Cost estimates, bill materials, and project schedule
 - Procurement and expediting, as assigned
 - Design documentation and correspondence
 - Construction packages and operation manuals
 - Control narratives, shut down keys, and P&ID development
- Prepare and review electrical engineering calculations and drawings including:
 - Electrical load list
 - Single line diagram
 - Area classification
 - Cable schedule
 - Voltage Drop
 - Lighting calculations
 - Control schematics
 - Arc flash studies
 - Device coordination
- Perform electrical services such as:
 - Identify and report changes to project scope
 - Assist with the preparation of proposals, estimates, budgets and schedules
 - Provide assistance during procurement, construction and commissioning activities
 - Contribute to appropriate studies, analyses and recommend actions
 - Assist with the preparation of detailed designs and drawings, specifications, data, calculations and reports
- Provide technical direction to design activities undertaken by engineering and design staff working on the assigned projects

- Review and approve electrical equipment specifications and data sheets, including transformers, switchgear, MCC's, protection relays, motors, generators transmission, and distribution equipment
- Ensure consistency and integrity of electrical design throughout the project
- Coordinate project requirements with project team members
- Must be able to communicate detailed design issues effectively with suppliers, clients, and other engineering disciplines
- Review vendor drawings and documents for compliance with project requirements
- Work on internal processes consistent with corporate standards and policies
- Maintain Engineering hours within established project budget
- Keep up-to-date with the latest developments and technical innovations in electrical engineering
- Support Grey Owl Engineering's HSE initiatives
- Other duties as assigned

Requirements:

- Minimum of 5 years of relevant experience in an EPCM industry supporting oil, gas and petrochemical processing facilities
- Bachelor's degree in Electrical Engineering from an accredited university
- Professional engineer registered or eligible for registry with APEGA
- Familiarity with Canadian Electric Code, all federal/provincial safety policies and procedures required
- Working knowledge and proficiency with CSA, CEC, NEC, IEEE, API, and other accepted industry Codes and Standards
- Comprehensive working knowledge of Microsoft Office products
- Excellent organizational, project management and team work skills
- Strong communication skills: verbal, business writing, electronic communications and presentations

Qualified candidates can submit their resume and cover letter to careers@greyowleng.com

We thank all those that apply, however only those considered for an interview will be contacted.