

BRUCE M.

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Electrical Engineer | Field Engineer | Electrical Tech. Commissioning

Over 15 years experience in electrical engineering and commissioning, in Industrial, commercial, and maintenance settings. Highly trained specialist with numerous professional certifications; knowledgeable in hydraulics, conveyors, pneumatics, mechanics, as well as programming logic, and ladder logic. Strategic thinker, able to analyze programs and procedures to resolve problems and develop project enhancements. Provider of high quality engineering design, always ensuring specifications are duly met.

End-to-end experience in project management, including project planning, management of costs, scheduling, resources, labour, and assurance of safety and quality standards. Effective leader, training, managing and guiding teams in engineering operations, including large-scale operations. Adept communicator, regularly collaborating with a wide range of groups including project managers, engineering specialists, health and safety, stakeholders, clients, and contractors.

CORE KNOWLEDGE & STRENGTHS

Team Leadership
Training and Support
Engineering Strategies
Collaborative Communication

Specifications Testing
Strategic Problem Solving
Project Planning & Design
Cross-Functional Teamwork

Electrical Engineering
Process Improvements
Hydraulics and Pneumatics
Health & Safety Compliance

EDUCATION AND PROFESSIONAL QUALIFICATIONS

Bachelor Degree in Electrical Engineering, xxxxxxxx University
APEGA, Professional Engineer, P.Eng
O.A.C.E.T.T (Ontario Association Certified Engineering Technologists)
309A- Journeyman Electrician and Red Seal Certified
Master Electrician License, ESA (Ontario Electrical Safety Authority)

PROFESSIONAL EXPERIENCE

Senior Electrical/Specialist Tech. Commissioning

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- Actively lead teams through daily operations, providing engineering guidance and contributing expertise to HSE projects; provide engineering support to the maintenance and contractor team.
- Regularly correspond with Specialists, Field Engineers, Superintendent, Mechanical Engineers, Health and Safety Specialist, and Project Managers, communicating clearly and carefully managing numerous, complex aspects of projects to ensure efficient operations.
- Manage the Predictive/Preventative Maintenance (PPM) Program, generating creative solutions and improvements to drive its continuous enhancement and ensure highest level efficiency and reliability.
- Perform & Review Engineering design as per Spec. checking all paper in Document Control for errors in design.
- Prepare walk-down package to complete commissioning and start up of all electrical equipment on site.
- Report to Team Leader for validation of any Technical change in or modification to electrical equipment
- Managed successful completion of ConocoPhillips Project performing within a large team of over 100 people.

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Electrical Commissioning Tech.

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- Inspect Wiring and External devices and verify that engineer design requirements are accomplished and protection schemes function as designed. Including: CT/PT (Current and Potential Transformer), Breakers, Communications and Equipment.
- Analyze and interpret control prints, wiring diagrams, and relay schematics; perform field level risk assessments.
- Correspond with stakeholders and ESSO IMPERIAL clients to ensure successful project completion.
- Perform testing and commissioning function on a vast range of systems: Medium voltage, high distribution systems, low voltage distribution systems; vfds & motors, switchgear and mcc. Perform motor run test; lighting and small power, ups system, phase rotation test, ct test, ductor test, hi pot test, 5kv meggar test, pt to pt.
- Review calibration status of test equipment in use on projects to ensure correct calibration prior to use.
- Receive, distribute and archive operational documentation and packaging for turnover to the client; generate RFI and follow up on completion.

Electrical Field Engineer

2009-XXXX

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Oversee all phases of the project cycle, from planning to execution and monitoring; manage costs, schedules, labour and safety policies, train and lead staff, coordinate with contractors, and actively contribute strategic solutions and ideas that maximize efficiency and satisfy organizational objectives.

- Create construction management strategy and execution plan for the site, and keep in regular communication with contractors in order to make strategic recommendations for the development of project Integrated schedules as projects progress.
- Ensure construction activities are executed in conformity with project drawings, specifications, schedules, construction budget, procedures, quality and safety standards. Provide advice on contract condition and specs.
- Monitor contractor productivity, ensuring cost and scheduling requirements are managed.
- Involved in overall administration of labor relations policies, assisting Senior Project Managers and Director.
- Strategize and execute effective plans for the supply and control of contractors tools and supplies.
- Provide training, motivational leadership, and technical guidance, managing all personnel during construction through the site superintendent and foreman.
- Actively enhance site safety by implementing safety and security procedures, project work rules, and promoting strong safety culture among staff.

Electrical Field Engineer/Completion turnover

XXXX-2008

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- Coordinate system walk downs and inspection of completed construction within the electrical discipline to ensure compliance to specifications, standards and IFC drawings.
- Provide engineering support to Construction and Commissioning Team working on the site.
- Prepare electrical equipment purchase specifications, datasheets and purchase orders, and review vendor documents to make sure they are compliance with C.E.C.
- Prepare accurate, detailed written reports for electrical design/engineering work of the project.
- Ensure field verification of all modifications and changes executed by the construction due to RFI and NCR are done as per specifications.

Field Engineer

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- Engineer/Lead Engineer for electrical engineering group to support construction quality; manage field engineering changes, and support project management team in resolving engineering issues affecting design integrity.
- Ensure all contractors and vendors follow Engineering plans, specifications, and applicable Saipem standards.
- Direct activities of construction engineering staff, and verify implementation of all home office and field engineering procedures.
- Establish a Home Office/Field Engineering working relationship and lines of communication with the Sr. Project
- Helped bring Construction Quality Program to life, providing an even higher level of assurance to projects.
- Prepare field inspection Reports; review and approve all field design drawing; and assist with contract procedures.