

OBJECTIVE: Seeking the position of Senior Electrical Engineer in your esteemed organization

CAREER SUMMARY

Registered as Professional Engineer (P. Eng.) with EGBC and APEGA, with over 10 years of experience in EPCM/EPC projects, over 10 + years progressive experience providing engineering consultancy services in the design, testing, commissioning and inspection of electrical systems, 10 + years experience in direct supervision of electrical installations and over 2 years experience in QA/QC process and implementation

Areas of experience include mining, infrastructure, heavy industrial, commercial, HV/HVDC power substations, HV GIS, LV/MV power distribution systems, oil refineries, utilities, airport and high-rise residential building projects

CORE COMPETENCIES

- Over 8 years experience in leading the design development and engineering deliverables of various complex electrical projects
- Engineering calculations for short circuit, arc flash, relay coordination, lighting, harmonics, cable sizing, transformer sizing, generator sizing and grounding system
- Electrical system design of MV/LV Switchgear, harmonic distortion, Power Transformers (2.5MVA), Standby Gensets up to 2MVA, 600V MCC, and LV/MV power distribution systems including protection and metering systems
- Ability to mentor junior engineers, designers and technicians in order to develop their skills, increase and improve their performance
- Fully conversant with the international standards and codes including NEC, NFPA, IEEE, CSA, CEC, ANSI and IEC
- Proficient in MS Office, MS Project, Excel, Power Point, Auto CAD and Easy Power engineering software
- Experience in meeting engineering design quality standards and technical specifications
- Strong leadership qualities, communication, presentation, interpersonal and organizational skills
- Extensive experience managing engineering, estimating, planning, scheduling, bid proposals, preparing work packages, equipment specifications and implementation of EH & S project policies

PROFESSIONAL EXPERIENCE

ELMECH Engineering Ltd, Regina, SK

Engineering Consultant, March 2019 – to date

- Perform electrical system design on power distribution system, generator, MCC, MV transformers and MV switchgears
- Prepare budgetary cost estimates, project schedules and technical specifications
- Perform engineering calculations on voltage drop, short circuit, arc flash, relay coordination, lighting and grounding system

Project list: Mining plant - AB

General Electric, Muskrat Falls, NL

QA/QC Lead, Feb 2018 – Feb 2019

- Managed QA/QC department for all day to day works for the implementation of project quality policies and procedures
- Reviewed and ensured that drawings, project technical specifications are being met for the works done by the contractors
- Planned, directed and coordinate quality assurance programs and formulate quality control policies
- Communicate effectively with the client to understand their requirement and intent, keep the client advised of project progress thus maintaining good client relationship

Project List: HVDC Switchyard, 735KV/350 KV HVDC Converter Station – Muskrat Falls

General Electric, Churchill Falls, NL

Senior Electrical Engineer, Jan 2017 – Feb 2018

- Prepared cost estimates for material/equipment and work schedules
- Facilitated review and approval of ITP submitted by contractors
- Ensured installations are as per drawings and specifications
- Reviewed technical specifications, construction drawings and power system studies
- Chaired coordination and weekly progress meetings with client and contractors

Project List: 735KV/315KV, 280MVA EHV Switchyard (GIS Substation)– Churchill Falls

BLUE EAGLE ELECTRICAL CONTRACTING, Regina, SK

Project Manager, Oct 2015 – Dec 2016

- Prepared electrical system design and equipment specifications of mining plant as well as its control system
- Organized and supervised electrical installations to meet project goals and performance expectations in an effective and efficient manner
- Ensured health and safety practices are adhered to the project requirement
- Performed engineering calculations, material cost estimates as well work schedules of the entire electrical work

Project List: Mining plant, and industrial building

BECHTEL CANADA, Kitimat, BC**Senior Electrical and Instrumentation Field Engineer, Jun 2011 – Sep 2015**

- Prepared work packages, bill of materials, ITP, QC procedures, RFI, cost estimates and other construction related activities as required to support construction schedule
- Conducted site inspection on construction operations to ensure compliance to project requirement
- Checked/reviewed design of MCC, substation transformers, substation layout, lightings, low and medium voltage switchgears
- Reviewed electrical technical and instrumentation deliverables, specifications, drawings, and work procedures

Project List: Brownfield and Greenfield in Smelting Plant at Kitimat, BC**ATEC MIDDLE EAST, Abu Dhabi, UAE****Senior MEP Project Manager, Nov 2008 – April 2011**

- Managed electrical and mechanical engineering projects in various sizes
- Created schedules and identified project deliverables, plan manpower and allocate project resources
- Performed engineering calculations and prepared technical specifications of electrical equipment
- Coordinated all relevant drawings and schedules to eliminate work conflicts
- Interfaced with client, contractors and provide technical support with the business development team

Project List: Industrial and commercial building projects, Hotel, and High-end residential projects**PROGER SpA, Abu Dhabi, UAE****Senior Electrical Engineer/MEP Coordinator, Sep 2006 – Oct 2008**

- Led team of electrical engineers in the design of industrial and high rise building projects
- Prepared single line diagrams, cable list, switchgear/MCC layout and associated electrical equipment
- Performed concept design and engineering calculations associated with the design completion
- Performed calculations for low and medium voltage power distribution system design
- Planned, directed and coordinated all on site electromechanical activities to comply with project specification

Project List: Heavy Industrial, High Rise Residential/Office Building,**GEMCO ENGINEERING, Doha, Qatar****Senior Electrical Engineer/Project Manager, Sep 2002 – Aug 2006**

- Designed of electrical building systems including preparation of technical specifications
- Developed staffing plans, work schedules, budget and time lines
- Attended weekly coordination and progress meeting with client and other contractors
- Supervised and inspected electrical installation for code compliance and proper constructability
- Prepared quantity takeoff of major electrical equipment and associated bulk items

Project List: Design of office building and Quran Center, Supervision of electrical installations in TV station and industrial building**LEIGHTON CONTRACTORS PHILIPPINES, Makati City, Philippines****Lead Electrical Engineer, Jul 1998 – Aug 2002**

- Directed team of electrical engineers in the execution of electrical installations in the project
- Attended weekly progress/coordination meeting with client and other contractors
- Coordinated and scheduled resources to meet deadlines
- Prepared weekly and monthly progress and construction report

Project List: Manufacturing, Industrial, high end residential & LV power distribution system**ARNAN PRATAMA ENGINEERING CONSULTANTS, Jakarta, Indonesia****Lead Electrical Engineer, Dec 1992 – May 1998**

- Led the electrical design and project management of various industrial, commercial, high rise and residential projects

EEI Corporation, Manila, Philippines**Senior Electrical Engineer, April 1984 – Oct 1992**

- Designed of single line diagrams, general assembly drawings, cable sizing, lighting calculations, short circuit calculations, emergency gensets/UPS power supply and power substations

PROFESSIONAL REGISTRATION:

- Registered Professional Engineer (P. Eng.), EGBC – License # 42464
- Registered Professional Engineer (P.Eng.), APEGA – License # 252171
- Red Seal Journeyman Electrician

EDUCATION

- Certificate in Professional Development, University of Regina
- Certificate in Project Management, Toronto, ON
- Master in Business Administration, University of the City of Manila
- BS degree in Electrical Engineering, FEATI University, Manila, Philippines