**Frank**

Dubai, UAE

Email: [frank.375025@2freemail.com](mailto:frank.375025@2freemail.com)

**HIGHLIGHTS OF QUALIFICATIONS**

* More than Five years of extensive experience in electrical, instrumentation and control system design for oil and gas facilities, and proven experience in design of electrical services for (residential/commercial) building projects
* Designed single line diagram (SLD), MV & LV power distribution, grounding system, motor schematics, servo motor, cable schedule and layout, tray schedule, substation layouts, schematic diagrams, VFDs, Prime and standby generators, ATS, UPS, MCCs for industrial, commercial/residential
* Possess a solid knowledge and understanding of CSA, OESC, CEC,NFPA, IEC, IEEE ... etc
* Working experience in relay setting/programming such as GE Multilin 750/760,469... etc
* Strong knowledge in MATLAB (Simulink)**,** AutoCAD, Control Logix 500/5000, Factory Talk View, PSPICE, MS office and MS project pro, ability to program in PLC (ladder, function block, structure text and sequential function logic), C, C++ (object oriented programming) and Assembly
* Creative, trouble-shooting, planning, decision making, self motivation, high responsibility, attention to details, and works well independently and as a part of a team

**Professional EXPERIENCE**

**Electrical Engineer (E.I.T)** Feb 2014 – Present

Fortress Engineering LTD., *Calgary, AB, Canada*

* Pikes peak west 10 steam pilot station up grader, Husky's downstream operations, production division, Lloydminister, AB: work including 1000 KVA,25/0.6 KV transformer with substation, VFDs, MCCs, pump jacks, 1000 KW standby generator, schematics, power distribution, lighting control, selective coordination study and reliability study, motor starting and relay setting, short circuit and arc flash studies
  + Work with a multi disciplinary team on FEED projects such as midstream train unloading station and Pipeline expansion. Implemented arc flash (short circuit analysis) and co-ordination studies, cable trays/schedules/sizing, breakers/relay sizing, lighting design, PLC panel design, I/O lists, control philosophy, single line drawings, three line drawings, grounding layouts, area classification, heat tracing, voltage drop, and charging current calculations for various projects such as:
  + Travel to the site to Collect the necessary electrical data and assess the facility
  + Build ETAP model for existing and new power systems
  + Investigate adherence to CSA Z462 ,NFPA 70E and API 505 regulation
  + Examine optimum solution to mitigate arc flash hazard and achieve selective coordination
  + Design outdoor/ indoor lighting using Luxicon Pro costumed for oil and gas facilities
  + Perform relay setting/programming for motor control protection such as GE Multilin 369's
  + Research and technically evaluate various electrical equipment such as pumps, motor operated valves (MOV) , breakers and relays, control panels, MCCs, UPSs, and generators
  + Collaborate with the electrical vendor in the purchasing of electrical equipment. This Includes: transformers, MCC’s, switch gears, electrical switchboards, distribution boards and lighting fixtures

**Electrical Engineer (E.I.T)** Jan 2012 – Jan 2014

Magna IV Engineering, *Calgary, AB, Canada*

* Substantial experience with MCC design (MV and LV), UPS system design, electrical plot plan and equipment layout for polymer injection and gas plants
* Extensive work with PLC panels, I/O lists and programming using ladder logic/function block via Allen Bradley machine
* Instrumentation ordering including: sizing, settings and indexing
* Consistently established liaison with engineers and clients to ensure the project requirements and specifications
* Gathered data to prepare CAD drawings and specifications, created detailed designs, bills of material BOM, cost estimate and material take off MTO

**Design Engineer** May 2010 – Apr 2011

*Keltour Controls Inc., Toronto, ON, Canada*

* Researched programmable logic controllers (PLC’s), modulators and circuit breakers to produce blue prints for control panel design drawings
* Reviewed and prepared control panel packages in accordance with Keltour’s client design specifications
* Assisted senior engineers in control panel product inspection test to check for correct assembly and wiring
* Designed final cut out diagrams for various parts of the control panel in AutoCAD
* Gathered information to make important manufacturing decisions including production, labor, and material costs calculations

**EDUCATION**

**Bachelor of Engineering (BENG)-Electrical Engineering** 2005 – 2009

Ryerson University, *Toronto, ON, Canada*

**PROFESSIONAL AFFILIATIONS**

Registered Member of the Association of Professional Engineers and Geoscientists of Alberta (APEGA) as an Engineer In Training (EIT)

**VOLUNTEERING**

Registered Member of the University of Calgary Toastmasters club (public Speaking)

**LANGUAGES**

English (Fluent) and Arabic (native)

**REFERENCES**

Available upon request

**P.S.** Interested in opportunities in the region of Iraq