

SALEH ELKAKLI

OBJECTIVE A competent electrical engineer with a comprehensive knowledge of designing. Developing and maintaining electrical systems and components to required specifications, focusing on economy, safety, reliability, quality and sustainability.

SKILLS & ABILITIES

- Excellent communicator and ability to work with others
- Ability to work under pressure
- Ability to meet deadlines
- Excellent organizing skills and detail-oriented
- Self-motivated and very flexible individual
- Working knowledge of Prover Systems (Ball and SVP), Tank Gauging Systems, Ultrasonic Flow Meters, PD Meters, Coriolis Meters, Densitometers and Viscometers Thorough understanding of API MPMS.

EXPERIENCE **ELECTRICAL & INSTRUMENT TECHNOLOGIST | EVRAZ NORTH AMERICA**

- Dec 2016 – Present
- Creating I & C engineering documentation including datasheet
- Instrumentation & control systems design in oil & gas | pipeline sector
- Preparing RFQ packages, specified instruments, technical bid evaluation
- Design and testing of electronics and communication systems
- Programming, commissioning and respond to customer technical inquires
- Control panel layout & design ,Low voltage power distribution systems ,I/O wiring ,Loop drawings ,Fieldbus design ,UPS design &Control console design
- Design and specify equipment and materials for flow measurement (oil and gas) as well as meter calibration;
- Produce control system drawings, PLC/DCS cabinet layouts, control schematics, and wiring schematics;

- Create drawings such as electrical plot plans, building electrical layouts, lighting layouts, electric heat tracing design, and cable tray routing;
- Specify equipment such as generators, power transformers, switchgear, MCCs, and ASDs.
- - Experience with programming PLC/DCS/HMI control systems are a requirement. - Experience programming Allen Bradley Factory Talk ME/SE & RSLogix 500/5000. Experience with DeltaV would be an asset.

INSTRUMENTATION AND CONTROL TECHNOLOGIST | SCHNEIDER ELECTRIC

- March 2012 – Oct 2015
- Purchasing field instruments including pneumatic transmitters, switches , meter-runs, analyzers, control valves and ESD valves
- Working with smart plant instrumentation (intools) & (AVEVA) Software
- Assembling the bids, the approval and construction issue drawing packages
- Review and approval of instrument loop and termination drawings and panel layouts
- Assisting discipline lead engineers to prepare scope of work, budget and man hours estimate
- Participated in HAZOP, HAZID and system safety assessments
- Prepare instrumentation specifications for Oil and gas industrial processes;
- - Experience with programming PLC/DCS/HMI control systems are a requirement. - Experience programming Allen Bradley Factory Talk ME/SE & RSLogix 500/5000. Experience with DeltaV would be an asset.
- Assist with P&ID development and HAZOP design reviews;
- Provide support in small and medium size projects;
- Short Circuit Current Analysis;
- Develop instrumentation/ controls design for facilities ranging in size from well sites to processing plants. This includes all phases, concept through to commissioning;
- Participate in HAZOP/SIL analysis;
- Perform power system analysis using SKM Power Tools;
- Develop, contribute and/or oversee the creation of project documentation (control system detailed design packages, control narratives, alarm indexes, shutdown keys, user manuals, FAT/SAT documentation);

- Demonstrate a sound knowledge of the following Control and Instrumentation Principles: P&ID Development, Field instrumentation, Control and safety instrumented systems, Analyzer systems, Fieldbus and wireless technology and instrumentation on packaged mechanical equipment.

INSTRUMENTATION TECHNOLOGIST | NATIONAL PROCESS EQUIPMENT

JAN 2011 – FEB 2012

- Knowledge of ISA, CSA , IEC and API codes and standards
- Design and testing of electronics and communication systems
- Control and Instrumentation supervisor | man made river
- JAN 2000 – JULY 2010
- Design and testing of electronics and communication systems

EDUCATION

BACHELOR DEGREE | UNIVERSITY OF BENGHAZI

Major: Electrical and Electronics Engineering

PROJECT HIGHLIGHTS

- **Williams Company (Acid gas)**
Compressor Package addition for gas plant , Instrument Index, and Database, Design and review P&ID, Prepared Datasheets for instruments ,RFQ ,Procurements , (FAT) and following up of the start up and Field commissioning
- **Seven Generation –Lator 1.5**
Instrument Index, and Database (AVEVA), Design and review P&ID, Prepared Datasheets for instruments and RFQ , following the start up and Field commissioning
- **Keyera Rembey Instrumentation lead**
Instrument Index, and Database (AVEVA), Design and review P&ID,
Prepared Datasheets for instruments and RFQ ,
following the startup and Field commissioning
- **Keyera Project. Expand of Gas Plant.**
Instrument Index, and Database (AVEVA), Design and review P&ID, Prepared Datasheets for instruments and RFQ , Shutdown Key preparing.
- **Cenuvos Project. Upgrade of control system of the Exist Gas Plant.**
Shutdown Key preparing.

- **ARC Parkland | Gas Plant Project**

Instrument Index, and Database (AVEVA), Design and review P&ID, Prepared Datasheets for instruments, following the start up and Field commissioning.

- **Shell Saturn 1 | Gas Plant Project**

Instrument Index, Datasheet and Database (AVEVA) for two months.

- **ARC Sunrise | Gas Plant Project**

Instrument Index and Datasheet for two months.

- **GMRA & Pure Technology | Pipe Line Monitoring System (Leak Detection System)**

Installation, alignment, testing and commissioning of leak detection system for pipeline along of 650 km, using very sensitive fiber optic cable sensors to detect and transfer data from the sensor and data logger to the main operation station (MCC).

- **ABB- Libya | Upgrade of Control and Telecommunication System**

Responsible for designing, analyzing and evaluating assigned project by using engineering principals for adhering to the business standards, detailed electronics engineering equipment specification, control and instrumentation design ,Detecting the I/O Count for PLC,ESD, fire &Gas system from P&ID, Conducting FAT/SAT, Finally Startup, Commissioning and test operations with The client .

- **Huawei Company | Fiber Optic System**

Design and implementation of fiber optic cable, lying and installation of telecommunication equipment System: SDH, MUX, ODF, DDF, and switches in well fields. Responsible for Design, Installation, startup, commissioning, trouble shooting and repairing system.

REFERENCES

Available upon request

