OSAMA ELAWAD SALIH HUSSEIN (PMP)

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VISION:

To increase the shareholder value and maximizing profit by improving the operational efficiencies and maximum utilization for the available resources..

CAREER OBJECTIVE:

To find a challenging position to meet my competencies, capabilities, skills, education and experience. I have experience of working in different sizes of teams with different responsibilities and tasks. I believe that time management organizational skills and effective. Communication between team members is crucial to the success of any project.

***Personal***

***Information* Date of Birth** July 28

th

1978

**Nationality** Sudanese

**Gender** Male

**Marital Status** Married

***Education*** Oct 2003 Sudan University of Science & Technology, Khartoum, Sudan

**B.Sc. in Electrical Engineering,** *Control section*

***Professional***

***Experience***

**Date** 1 Mar 2013 to 31 Mar 2018

1 April 2018 - Current

**Company** PDOC (Petrodar Operating

Company

And

Bashyer Pipeline Company (BAPCO)

**Job Title** SCS Engineer

JOB DESCRIPTION

* Plan, schedule and follow up entire maintenance program for the Station control System
* Help operation to perform safe operation without disturbing the production
* Develop system software and hardware as operation requirements and needs.

JOB Skills & Capabilities

* PLC software development and testing – highly experienced in programming of
  + Shchneider Electric Modicon (Unity Pro)
    - Quantum, premium & Momentum series PLCs.
    - M580 & M340 rPACs series
    - Schneider Electric SCADAPACK rPAC series and others.
  + Rockwell Automation PLCs & PACs
    - ControlLogix large controllers
    - CompactLogix and SLC 500 small controllers
  + Siemens S7-300 & S7-1200 PLCs (Step 7)
  + HIMA Programmable Electronic System (PES) H51q and H41q (ELOP II).
* SCADA & HMI
* **Highly experienced of the following systrems development and maintenance tasks**
  + Yokogawa FAST TOOLs SCADA development and runtime environment.
  + Shneider Electric CITECT SCADA (VIJEO CITECT)
  + Schneider Electric CLEARSCADA v2013 R2
  + Siemens (Step 7 Professional and/or TIA Portal ,WINCC Professional)
  + ELUTIONS Control Maestro (WIZCON) HMI SCADA software
  + Vijeo Desiner and Vijeo XD (Schneider HMI Panels).
  + Simatic Basic & Comfort Panels (KTP 100, 400, 700, 900).
  + Kepware OPC Server and client.
* **Highly experienced inmost of communication protocols configuration and setups**
  + Modbus and Modbus TCP protocol stack
  + OPC (DA, AE, UA)
  + Siemens S7 protocol Suite (all Siemens products)
  + IEC 60870-5 (101 & 104) substation automation for Telecontrol protocols
  + DNP3 Protocol suite
  + Ethernet/IP , ControlNet and DeviceNet protocols
* General other HMI applications development and testing
* Electrical and control system design.
* Performing design studies and quality documents for projects according to the project specifications and in line with the applicable procedures and quality plans•
* Performing internal test and customer acceptance tests of the configured control system (HW and Application SW) in-house and at customer site•
* Providing commissioning and start-up support at customer sites
* Providing after sales service and training at customer sites
* Developing of the required technical project documentation

**SELF ACOOMPLISHED PROJECT TASKS**

* + **Full redesign of fire Fighting system PLC program logic (Modicon Quantum 140 CPU 113 03) to suit new equipments installed and modified by rehabilitation contarctor.**

**Added new graphics of equipments to SCADA system (Vijeo Citect) and enabling remote control of pumps start & stop function and open, close & stop to the Motor operated Valves functionalty.**

* + **Full project migration of HIMA SCADA system from ELUTIONS Control Maestro to Schneider Electric Vijeo Citect.**
  + **Complete reprogamming of HV PLC (Allen Bradley CompactLogix L35E) with MVI69-MCM as Master module as a modbus serial module talking to 43 Micom Protection relays as slaves and collecting relays data to be written to MVI69-MNET module on same chassis that will be salve for SCADA system**

**Date** 1 Feb 2007 - 1 Mar 2013

**Company** PDOC (Petrodar Operating

Company)

**Job Title** Electrical & Instrumentation Engineer

Work Description and responsibilities**:**

• Plan, schedule and follow up entire maintenance program for the whole plant utilities.

• Attending emergency breakdown of pumping stations 24/7 and troubleshooting the problem and solving it at site.

• Perform safe operation without disturbing the production.

• Safety awareness & following safety procedures.

• Controlling materials and spare parts

• Plans and supervises all electrical work.

• Perform adjustments and calibration for electrical equipments and instrumentation.

• Reviews drawings related to electrical systems and equipment's and assures compliance with international standards and best practices.

• Contributes in achieving Maintenance Department objectives.

• Coordinates stepped work with outside organizations

• Observe all type of the equipments in plant, carry out preventive maintenance service (PMS) activities with regards to the running hour’s intervals and perform corrective maintenance as needed.

**Date** Feb 8th 2005 to Jan 31st 2007

**Company**

Ministry Of Energy & Mining Sudan

**Job Title** Electrical Engineer. (Project consultant team

PCT)

**Location**

Melut Basin Oil Development Project

Downstream

Work Description and responsibilities**:**

***Skills &Capabilities***

• To supervise, manage, coordinate and control all E&I engineering, procurement, construction & commissioning (EPCC) contractor and other subcontractors activities and following up construction duties to be performed to the specification and quality required until completion.

• Insurance of compliance with the Technical Specification and Performance criteria for future installation and operation of the Plant.

• Insurance that adequate inspections and tests are carried out and the results are properly documented to ensure safe, reliable and correct operation at site.

• Reporting to top management progress status.

• Liaise with clients to define the tasks to be performed.

• Appoint and supervise contractors.

• Perform inspections for received materials.

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• Developing P&ID, Schematics & Hook up Drawings.

• Pneumatic, plant control setup

• Material control and inventory systems

• Effectively implement changes for operation requirements

• Preparation of MTO based on P&ID, cable schedule, JB schedule.

• Good communications skills.

• Ensure that satisfactory safety standards and safe working practices are followed up at site

• Ensure that appropriate quality standards are implemented and adhered to at site.

• Installing and commissioning VFD, Soft Starter, MOV, Motors, Pressure Transmitter, Flow Meters and ultrasonic Level Sensors.

• Repairing Actuators, Pressure Transmitters, Flow meters, etc

• Raising defect reports, and taking approval from project manager,

And closing Defect reports with claim when job is completed.

• Preparation of following Instrumentation drawings/documents.

• Instrument Index / Schedules.

• Good knowledge of Cable Sizing Calculations

• Equipment layouts,

• Instrument Cable routing / tray layouts,

• Instrument Cable schedule,

• Block diagrams of Instruments, Fire & Gas and telecoms, etc.

• Instrument location plans, layouts.

• Instrument Installation & Hook up drawings

• Instrument Loop and Logic diagrams

• Wiring / schematic, Interconnection diagram, termination details

• Instrument and F&G Specifications

***Additional information***

• English Fluent.

• Member of Sudanese Engineering Society.

• Good knowledge of Windows applications and MS Office

• Good knowledge of programming languages: C, C++ and

• Hardware and Software installation with knowledge in problem diagnosing.

• Good knowledge in Internet Application

• Good knowledge of LAN networking

• Valid Sudanese driving license.

• Solid analytical and problem solving capabilities.

• Co-operative Team Player as well as independent developer.

• Multi-tasker with strong organization abilities and excellent project control skills.

• Creative, dedicated, flexible and work well under deadlines and extreme pressure.

• Ability to adapt quickly to new concepts and always willing to learn.

• Highly experienced in application development, providing appropriate solutions to complex problems and paying attention to details.

CERTIFICATES

* + - * PMP (Project Management Professionl) from Project Management Institute (PMI) Pennsylvania, USA
        + Certification No 1547345
      * 550stain49 Stardom – Fast/tools Melut project, SCADA system, (Yokogawa Electric corporation Paris France.) Consisting of:
        + Stardom RTU.
        + Fast/ tools software.
        + Leak detection system.
* Programmable logic controller, Engineering and

Management Consultants (TEAM) Egypt

* Installation design and maintenance on electrical equipment of Hazemeyer Switchgear - low voltage of capitole 40P.2.
* Operation and maintenance of fibre optic cable, Telecommunication Training Centre, Sudatel
* Operator and first line maintenance of Station Control

System (SCS), CSE Servelec., UK

* Introduction and operation of MS WINDOWS & Office.
* Prolific PLC and SCADA.
* Modern Power system protection relaying (Kush energy

Solution).

* Achieving Breakthrough Performance (Juarez lowe corporate training)
* Instrument calibration and control loop tuning (Petroleum

Training Centre PTC- Sudapet) Sudan

* Modern maintenance and reliability management, planning and estimating (Ecoman consultancy solutions and training) Dubai, UAE -World class consultancy-.
* First aid in community, Sudanese Red Crescent Society.