

MUSAB MOHAMED ABDELRAHIM AHMADIA

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Professionally SCADA and Telecommunication Engineer, Oil& Gas Project Engineer with over (15) Fifteen Years of comprehensive experience in a diverse range of upstream, midstream and downstream, oil and gas major EPCC projects and Pipeline Operations. Highly motivated and result oriented graduate with excellent interpersonal skills. Also a keen and eager learner who enjoys facing challenges and seeing them through. A problem-solver with the ability to adapt to new situations and to work individually as well as an effective team member and combination of business management and technical experience.

SUMMARY



- Profile: Male, Married
- Date& Place of birth: KSA, 1981
- Nationality: Sudan
- Current Location: Sudan
- Current position: Senior SCADA Engineer
- Company: Petro-Energy E&P
- Preferred Locations: All Middle East, Arabian Gulf, Europe & Africa Countries

EDUCATION

May 2008 - Aug 2010	MBA in Business Administration Sudan Academy of Science	Khartoum , Sudan
Oct 1999 - Dec 2004	B.Sc in Electrical Engineering (control) Sudan University of Science and Technology College of Eng	Khartoum , Sudan

EXPERIENCES SUMMARY

Jan. 2022 - Present Senior SCADA /Project Engineer

Petro Energy E&P is oil & gas operating company with main objective is to explore, develop, and produce oil & gas in block 6 – Sudan. I am dedicated to work in Pipeline Technical service Department as Senior SCADA /Project Engineer and as the company procedure I should report to the Engineering Section Head. My responsibility is:

A- As a Project Engineer responsible of projects initiations, prepare the scope of work , ITB , tendering activities with procurements departments and the Contractor including clarifications , negotiations, proposals evaluation, progress reports and Contract preparations.

after the award my role extend to contract administration , project supervision and coordinate all project activities including the Engineering , procurement , construction and commissioning , to lead the team for successful project completion with planned cost , schedule and specs

B- As a Senior SCADA Engineer I conduct the following duties:

1. Supervise Design, document, implement and maintain essential SCADA & Communication systems and components for HC & LC as well as Pump Stations.
2. Studies and analyses complex or recurring problems and recommends appropriate solutions for telecom system.
3. Responsible for SCADA, PLC, Station Control System (SCS) and Communication engineering aspects of conceptual designs, modifications to facilities and projects and supports the implementation thereof upon approval.
4. Supervise and Carry out duties in accordance with PL safety, environmental and quality policy, safety principles, corporate values and strategies.
5. Cooperation with planning section for budget and cost issues related to SCADA & Telecommunication activities and projects.
6. Advises on SCADA, PLC, SCS and Communication engineering problems and activities regarding existing and proposed facilities and equipment.
7. Participates in the evaluation of modification requests involving a wide variety of SCADA, PLC, SCS and Communication problems and recommends appropriate solutions.
8. Follow up with Operations, Maintenance or other Engineering units to gather, research; analyze data and information to prepare recommendations with technical back-up as appropriate.
9. Follows through with support of related aspects of conceptual designs once approved.
10. Carrying out conceptual design, evaluating consultants design packages, inspecting problems on site or providing advice within telecom and project management.
11. Prepares conceptual designs, cost estimates, feasibility studies, scope of work and detailed design packages for PL telecom projects or whole PL projects.
12. All activities required for SCADA, PLC, Station Control System (SCS) and Communication upgrades to keep the system up-to-date, uses of the latest technologies.
13. Visits field sites to advice on problems solving , projects management during construction and commissioning work. Liaises with operations and maintenance personnel to prepare/coordinate commissioning , start-up procedures or modification requirements.
14. Provide lead supervision and training to assigned SCADA & Telecom Engineer.
15. Managing related discipline PLTS projects workflow.
16. Creating and managing team schedules.
17. Supervising and evaluating performance and providing feedback of SCADA, PLC, SCS, LOMS, TDMS & communication System Project, PMC & contractor's staff.
18. Helping to resolve staff, employee, PMC and contractors issues and dispute.
19. Supporting Pipeline operation in maintenance and Operation for the systems
20. Reports and communicates to top managements
21. Managing different contractors & personalities
22. Managing Multiple Technical Tasks and work within constrained time and budget

Nov. 2019 - Dec. 2021

Petro-Energy E & P
SCADA & Telecom Engineer

Khartoum, Sudan

Petro Energy E&P is oil & gas operating company with main objective is to explore, develop, and produce oil & gas in block 6 – Sudan. I am dedicated to work in Pipeline

Technical service Department as SCADA & Telecom Engineer and as the company procedure I should report to the Engineering Section Head. My responsibility is:

1. Recommend and implement new technologies that improve and sustain the operation of the instruments SCADA, PLC and SCS system in pipeline facilities to support the smooth operation.
3. Responsible of Pipe line Management Information Systems which is called LOMS & TDMS update and upgrade.
4. Coordinate and cooperate with company others Department like IT Dept. in SCADA issues Also with others my counterparts in counterparts Companies in joint projects include conducting meetings. .
5. Follow new SCADA projects doings by contractors and vendors to Company.
6. Monthly and weekly report to Operation Section Head.
7. Attain Pipeline weekly meeting with discussion and reviewing.
8. Make and Introduce Presentation, Meeting Committees and Technical Committees with reviewing and discussion.
9. Make and Introduce presentations about LOMS, TDMS, LDS and SCADA Systems to Delegations, Company Staff and new trainee.
10. Make and prepare Bidding letter with Scope of Work, ITB, and Candidate invite the competence companies and evaluate their proposals and issue the work order to the best company proposal.
11. Participated in CCTV Pilot Project as Project Team Leader with attain SAT.
12. Leading PS#03 Tie-in to National Electricity Grid.
13. Leading Leakage Detecting System update and upgrade for Heavy Crude and Light Crude Pipelines.
14. Leading LOMS system Upgrading.
15. Issues materials requisitions to add new or modified equipment. Assesses requirements and adds to project scope and specifications. May approach vendors directly to assess capability of equipment or to obtain urgent quotations. Carries out technical evaluation of 'offers'.
16. Follows up on outstanding matters following upon (Punch List) of work not completed and warrantee issues with contractors.

Oct. 2011 - Oct. 2019

Petro-energy E & P
SCADA Engineer

Khartoum, Sudan

Petro Energy E&P is oil & gas operating company with main objective is to explore, develop, and produce oil & gas in block 6 – Sudan. I am dedicated to work in Pipeline Operation Department as SCADA Engineer and as the company procedure I should report to the Operation Section Head. My responsibility is:

1. Conduct Maintenance and troubleshoot on instruments, SCADA, PLC and station control system (SCS) problems.
2. Recommend and implement new technologies that improve and sustain the operation of the instruments SCADA, PLC and SCS system in pipeline facilities to support the smooth operation.
3. Upgrade Pipeline SCADA PKS R210 system to become has more than twice number of points and flex stations.

4. Upgrade the Pipeline Cathodic Production System to be monitor and control remotely Include install new CP station site devices, Configuration and create HMI web Interface.
5. Configure new work Station computer..
6. Responsible of Pipe line Management Information System which is called LOMS maintenance troubleshoots, update and upgrade.
7. Coordinate and cooperate with company others Department like IT Dept. in SCADA issues Also with others my counterparts in counterparts Companies in joint projects include conducting meetings. .
8. Follow new SCADA projects doings by contractors and vendors to Company.
10. Monthly and weekly report to Operation Section Head.
11. Attain Pipeline weekly meeting with discussion and reviewing.
12. Make and Introduce Meeting Committees and Technical Committees with reviewing and discussion.
13. Make and Introduce presentations about LOMS System and SCADA System to Company Staff and new trainee.
14. Make and prepare Bidding letter with Scope of Work, Candidate, invite the competence companies and evaluate their proposals and issue the work order to the best company proposal.
15. Attain Interview for new recruitment (Operators- Electrical & Instrument Engineer and Technician – Mechanical Engineer and Technician) as committee member.
16. Lead Leakage Detecting System Team as Team Leader to apply the System on 715 KM pipeline.
17. Participate in Company SCADA Software and hardware replacement and upgrade project.
18. Attain KT#06 MCS Metering System Upgrade FAT, Training Course and SAT.

Nov. 2008 - Sep. 2011

Petro-Energy E & P
Electrical & Instrumentation

Khartoum, Sudan

I am dedicated to work in Pipeline Operation Department at Pump Station#04. My responsibilities are:

1. Conduct routine maintenance for Instruments, motors, electrical valves, gauges, tower lighting and other electrical equipments and devices in Pump Station.
2. Daily routine check for Pump stations all Electrical and Instruments Facilities.
3. Prepare monthly Maintenance schedule for Pump station Electrical and Instruments Facilities.
4. Check the pump station warehouse stock availability and prepare Electrical and Instruments materials and spare parts requisition.
5. Assist Station staff in Pump sets and Genets periodically overhauls with my team also cooperate in other station activity.
6. Troubleshoot all Pump station electrical equipments, Instruments and devices.
7. Monthly, Weekly and Daily reporting about Electrical and Instrument team work details.
8. Conduct Pump Station monthly meeting with review and discussion on the Electrical and Instruments monthly report.
9. Managing two Technicians.

10. Introduce and explain Pump station Electrical and Instruments part to Company high level Management and Ministry of Petroleum delegation, visitor and new staff trainee.

April. 2008 - Nov. 2011

Neilan International Company Ltd.
Sales Supervisor

Khartoum, Sudan

Neilan International Company is a group of several Companies. One of them Neilan Generator and I work in Showroom Branch. Neilan Generator is concern about supply, maintenance, technical support, customer care of both Genet and Lister-Petter in Sudan. I work in Showroom Branch as Sales Supervisor and as a company procedure I should report to the Sales Director. My responsibilities are:

1. Distribute and supervise the sales Engineers.
2. Monthly, Weekly and Daily reporting about my sales tracking.
3. Conduct with clients to deliver their complaints and suggestions
4. Promote the Genset, spare parts and maintenance to customers
5. Conduct site visit to customers properties such as big buildings, factories and others to promote product and calculate their actually current load.
6. Implement routine survey to local Genset market.
7. Make studies to new Genset and it suitability to the market.
8. Managing two Sales Engineer.
9. Cooperate with Neilan Power Company in new power station constructions.

My main achievement:

- made two Excel sheets one to calculate the selling price of Genset include the expenses and profit. Another one to calculate the load for customer properties.

May. 2005 - May. 2007

Alfula Electricity Management Alfula West
Director of Operating Department

Khartoum, Sudan

Alfula Electricity Management is responsible of generate and distribute electricity to Alfula city the capital of west Kurdufan Region. I work as Director of Operating Department and I was responsible of Alfula Generation station. In addition to work as Instrumentation Engineer in Alfula Power Project. Main responsibility is:

1. Conduct periodically maintenance schedule to Alfula Power Generation Station two Gensts.
2. Implement Generation operation Schedule to the Station.
3. Implement fuel consumption, spare parts and others needs to the power station.
4. Represent Alfula Electricity Management in town council, Ministry of planning meetings, Region Government meetings.
5. Conduct weekly and monthly report to Alfula Electricity Management Manager.
6. Managing more than 12 technicians and labors.
7. Work and Cooperate with National Electrical Corporation NEC in Alfula Power Project as Instrumentation Engineer.
8. Supervise all electrical and Instrument work such as installation of Main Distribution Board, installation of Generator Sets , Lighting system distribution and installation work

and Fire alarm and Fire Fighting System.

9. Review and approve detailed engineering deliverables including documentation. And review other contractors work procedures.

10. Monitor approval submission of all Instrumentation documentation.

11. Administer procedures of approval submission of documentation.

12. Review documentation including requisition for procurement, technical proposal and shop drawings.

13. Review and approve shop and as built drawings.

14. Co-ordinate testing and commissioning requirements.

15. Assist the Site Manager in assessing progress and report on status.

16. Supervise the testing and commissioning activities.

17. Reviews work procedures and supervise works for compliance.

18. Monitor, check and verify progress.

19. Assist in the review/verification of milestone claims.

20. Assist in the co-ordination of interfacing requirements with related disciplines.

My main achievement:

* Stabilized the power supply duration time with reducing fuel consumption by 20 %.

COURSES

2019	Metering System Training	Swinton Technology Asia Pacific, Malaysia
2014	ICQ	ICQ, Sudan
2014	SCADA System	Beijing Ruimin Tech,China
2012	Primavera P6	SCEES,Sudan
2012	CCNA practical and theory	Professional Lab , Sudan
2011	SCADA PKS	CPP , China
2011	CAE	Prolific (Servanta),Sudan
2009	Instrumentation Calibration Training certificate	Forth Valley College, Sudan
2008	MS Office	NIIT, Sudan
2008	English Language for Communication	Cambridge International Training Center ,Sudan
2002	Training work in Generation Station, Substation and Load Dispatch Center	NEC,Sudan

LANGUAGES

Arabic	Native
English	Very Good
Turkish	Entry level

REFERENCES

- Eng. Fakhredeen Elsheikh – Engineering Section Head – Pipeline Technical Service – Petro-Energy E&P – Mobile : + 249 9123 39849
- Eng. Abdalla Mohamed Elnour – Facility Section Head – Engineering Department - Petro-Energy E&P – Mobile : +249912836501 : +249912157855
- Eng. Mohamed Elamin Abdelhamid – Director of Oil Information Center –Ministry of Petroleum – Republic of Sudan – Mobile:+249-912311885.