

KHALID GUMAA ADAM MOHAMMED

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Sudan - Omdurman Alfehaihab block 8/241

in Khalid Eldigail



Objective

To enhance my professional skills, capabilities and knowledge in an organization which recognizes the value of hard work and trusts me with responsibilities and challenges.

Experience

Greater Nile Petroleum Operating company

1 October 2002 - 30 August 2014

ELECTRICAL Engineer

Formulates and evaluates power systems load flow, fault analysis pre-engineering and engineering concepts, designs and development for electrical systems and plants associated with the Company's oil production. Ensuring technical integrity and HSE requirements are met cost effectively throughout operation cycle. Includes providing expert/consultancy service to other engineers/users, endorsing/approving designs for modifications and/or requests for electrical engineering support. Reviews engineering codes and standards used in design and development projects. Provides technical advice to operating divisions on all relevant engineering aspects. Electrical systems and plants include power generation, transmission and distribution networks, transformers, switchgears and motors, electrical control, protection systems and metering.

WEIR- (Iraq Lukoil west qurnar 2 oil field Maintenance project)

2014 - 2015

Substation Engineer for maintenance and repair of substation equipments

Develop and plans schedules preventive and corrective maintenance and ensures implementation as per set schedule for substation equipment and auxiliaries.

-Identify particular problem areas, assesses the effectiveness of current maintenance procedures and assists in the future development of preventive and routine maintenance

-Plans daily work schedules and allocates the proper manpower and required tools and equipment to ensure that maintenance work is carried out efficiently and according to set schedules.

-Develops standard work procedures and test methods for performing electrical maintenance tasks. Ensures that maintenance, repair and installation work conforms to established safety standards and specifications.

Under responsibility (14 Substations, 3 inside CPF and 11 outside in the clusters)

Petrolines for transportation crude oil ltd

2015 - Up to date

Substation Engineer

Education

● **Sudan Academy of science**
2018
MSc of ELECTRICAL ENGINEERING

● **Sudan University of science and technology**
2005
Bachelor degree of Electrical Engineering

● **Prolific systems and technologies pvt Ltd**
2014
Post graduate Diploma Industrial Automation (PGDIA)



Skills

● Experienced Engineer with a demonstrated history of working in the oil & energy industry. Skilled in GIS Substations , Gas, Petroleum, Power system Equipment's , and Power Plants. Strong engineering professional with a Post Graduate Diploma in Industrial Automation focused in Industrial Automation from prolific systems and technologies pvt.ltd,and Master of Engineering power systems supply and control.



Language

● Excellent/ Fluent in (Written & spoken) English. Arabic (mother tongue)



Personal Details

● Marital Status : Married
● Nationality : Sudanese



Additional Information

Overseas Courses:

Substation operation and maintenance (Empowerment Empowerment center for Training and development (Istanbul-TURKEY)

MICOM Protection Devices and C264 Control Device / VI-2000 Substation Automation System (Head Office of Vicom Technology Co Ltd, Shenzhen China 2013)

GIS Substations & switchgear (XIAN XD SWITCHGEAR ELECTRIC CO, Ltd. -XIAN China-2013)

Transformers testing, operation & commissioning (Baoding Tianwie Group -China-2013)

PGDIA - Industrial Automation (prolific Systems& Technologies (INDIA)

certified Distributed control systems (prolific Systems& Technologies (INDIA)

field instrumentation (prolific Systems& Technologies (INDIA)

Local Courses:

- Substation Automation System (SAS) (Exemplar center)
- Electrical Equipment's Testing and Comissioning (Exemplar center for Engineering training /career development)
- Modren Power System Protective Relaying (Exemplar center)
- low voltage switchgear (Exemplar center for Engineering training /career development)
- Electrical installation Design for Building and Facilities(Exemplar center for Engineering training /career development)
- Diesel Power Stations (NEC)

- Training in pipeline operation & Marine Terminal at Greater Nile Petroleum Company by Etal CO. (CANADA)
- Production Overview (GNPOC)
- Basic pipeline operation (GNPOC)
- Advance pipeline operation (GNPOC)
- Station control system SCS (GNPOC)
- Pipeline design and analyses (GNPOC)
- Station, pipeline & Marine Terminal Facilities (GNPOC)
- Advance pipeline maintenance & operation
- Pipeline Control Philosophy (GNPOC)
- P/L & Marine Terminal Operation (GNPOC)
- Terminal Stations (GNPOC)
- Motor Operation (GNPOC)
- Valves (Pressure control, motor & valve sizing & selection) GNPOC
- **Safety Courses:**
 - First Aid;
 - Safe work on industrial environment;
 - Permit to work systems (Hot/Cold);
 - Authorized Gas Tester & Certificate;
 - Manual & Mechanical Handling;
 - Fire Safety;
 - Emergency Response;
 - Housekeeping;
 - Confine Spaces Safety;
 - Chemical Safety Handling;
 - Near miss & Hazards Identification;
 - SCABA Breathing (APP)
 - DDC Training;
 - Electrical safety;
 - Environmental awareness
 - Waste management
 - Zero harm training (WEIR oil & Gas) IRAQ
 - Waste management

Familiar with:

- Distributed control system (ABB) AC800F
- Programmable Logic Controllers (PLCs) Allen Bradley, Siemens (S7-200,300&S7-400), GE FANUC, Omron, Mitsubishi & DL 205.
- Variable speed Drivers (ABB & Siemens Drivers)
- SCADA Software (Wonder ware in touch, Win CC, IFIX & ABB)
- Instrumentation (All type of Field instrumentations);
- HMI (Human Machine Interface)
- Electrical Panel Designing;
- Industrial networking;
- Real flex (metering skid & proving test-operation & diagnose operation;
- MCC {main control center} for pipeline long 1500km to Marine Terminal;
- Reporting (hourly, daily, commissioning operation & hand over reports)
- Emergency shutdown, normal shutdown & emergency response;
- Internal Communication Systems;

- Pipeline Startup & shutdown procedures;
 - Safety procedures;
 - Electric installations Design & commissioning
- Regarding Electronics & Instrumentation system that I working on:
- Allen Bradley PLC (SLC 500), SCADA system; Woodward 721 governor control; AMOT controls, SR750 Generator Management Relay (Electrical Protection System); Feeder Management Relay

Computer Training Courses:

Etap 19.0

- Etap 12.6
- AutoCAD 2008.
- Matlab
- Microsoft office and Windows NT
- Computer maintenance & networking
- ERP