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| **KAMAL ELDIN SALAH MOHIE ELDIN MOHAMED HAJ** |

# B.Sc. electrical engineering

**Specialization: Control**

**Personal Details**

**Date of Birth** July 11, 1989 **Citizenship** Sudanese  **Sex** Male

**Marital Status** Single **Religion** Muslim

**CONTACTS**

**Address:** Omdurman –Althawra **Mobile**: +249914322118 / +249911090946 (WhatsApp)

**Email**: [engkamalsalah@hotmail.com](mailto:engkamalsalah@hotmail.com)

**Languages**

**Arabic** Fluent (Spoken & Written) **English** Very Good (Spoken & Written)

**Qualifications**

* Willingness to travel overseas and countryside.
* Strong observance, fast learner, Target achiever.
* Ability to work in team and individually based on assigns given.
* Willing to learn new Technologies to be synchronized with the work requirements.
* Basic computer skills and knowledge of MS Excel, Word, and PowerPoint. Excellent knowledge of internet and research techniques.
* PLC programming and troubleshooting: (Siemens 200-300-400-1200-1500 MICROWIN, SIMATIC manager & TIA portal) - GE Fanuc Series 90, VERSAPRO -Mitsubishi MELSEC FX - ALLEN BRADLEY with RS LOGIX.
* VSD drives programming and troubleshooting: ALLAN BRADLY drives - DANFOSS VLT - Siemens [SINAMICS & MICROMASTER] - ABB ACS drives – Schneider ALTIVAR drives.
* Power systems analysis (load flow – short circuit calculations analysis using ETAP)
* Electrical drawing (AutoCAD).
* MV equipments testing (Circuit breakers, CTS, PTs, motors, transformers, generators, Bus bars and cables).
* Configure and test protective relays (K-series, P-series, ABB, and Siemens).

**Work Experience**

**February 2018 - current Khartoum Refinery Company**

**Job title: Electrical Maintenance Engineer**

Job Description

* Direct and supervise preventive and corrective maintenance for all electrical Equipments :( LV and MV motors, LV and MV switchgears, power transformers, UPS and DC system, steam turbine & gas turbine generators and Substations RTU system).
* Monitor and maintain refinery power grid (MV 6 KV).
* Supervise and apply HSE regulation.
* Prepare and update maintenance procedures.
* Monitor , configure and test protective relays (K-series, P-series, ABB, and Siemens)
* Apply required modifications for M.V and L.V systems.
* Provide technical support and training for Elec. technicians,
* Ensure the availability of spare parts.
* Pre-commissioning and Commissioning Activities on Site.
* Diagnose system troubleshooting and apply the most appropriate and economical solution.
* Prepare, Supervise executing of overhaul plan as per schedule.
* Prepare weekly maintenance activities reports.

**April 2015 – January 2018 Dal Foods Company- Dal dairy Factory**

**Job title: Electrical &Automation Engineer**

Job Description

* Perform a variety of skilled installations, maintenance, testing and repairing electrical and control systems used in the plant.
* Ensure correct and efficient operation of plant machineries and services.

Production lines: milk reception and pasteurization (LACTA from TetraPack Company)

UHT lines (Flex, TCA, TFA, and Simply 8 from TetraPack Company)

Fresh filling lines (ERCA, TREPKO, and NOVAPAK)

Pet line from AVE TECHNOLOGIES

**February 2014 – March 2015 Khartoum Refinery Company**

**Job title: Trainee Engineer**

Job Description

One year contract as in job training program, the first 3 months in KRC training center consist of these courses: HSE and Firefighting – Area Classification - Electrical motors – Transformers – Load Calculation and Earthing Systems – MV Protection and Testing – RTU, UPS and DC Systems – Switchgear – Generation

The rest of year is rotation program around refinery facilities.

**June 2013 – Feb 2014 Alassad steel bar factory**

**Job title: Electrical maintenance assistance engineer**

Job Responsibilities

* Prepare and review specifications related to drawings of plant electrical system and equipment for requested and spare parts offers.
* Responsible for all electrical aspects related multi-disciplinary projects.
* Installation, check out, maintenance and start up assistance.

**November 2011 – September 2012 Sudanese Company of Electricity Distribution (National Service)**

**Education**

**Sudan University for science and Technology**

**B.Sc. in Electrical with Major Control Graduation year : 2011**

**Training**

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| **Course name** | **Duration** | **Location** | **date** |
| Modern power system protective relaying | 30 hours | Exemplar Center for Engineering Training(Khartoum) | Mar-15 |
| Automation &Industrial Control Systems Concepts and Technologies | 30 hours | Exemplar Center for Engineering Training(Khartoum) | Nov-15 |
| Variable speed drives introductory | 5 days | SIMATION TRAINING AUTHORITY (south Africa) | Feb-16 |
| S7 PLCs troubleshooting and maintenance | 5 days | SIMATION TRAINING AUTHORITY (south Africa) | Feb-16 |
| S7 PLCs fundamentals | 5 days | SIMATION TRAINING AUTHORITY (south Africa) | Jul-16 |
| S7 PLCs intermediate | 5 days | SIMATION TRAINING AUTHORITY (south Africa) | Jul-16 |
| Solar energy & Photovoltaic systems | 30 hours | Mayor Engineering Training Center (Khartoum) | Jan-17 |
| Industrial Communication Protocols(PROFIBUS & PROFINET) | 24 hours | Exemplar Center for Engineering Training(Khartoum) | Aug-17 |
| Energy management system | 25 hours | Engineering training & professional development program (University of Khartoum) | Aug-18 |
| Advanced excel for big data analysis | 20 hours | Xlup Zone Training Center | May-19 |
| Electrical Transient and Analysis Program (ETAP) | 5 days | Khartoum refinery company training center (Khartoum) | Dec-19 |
| Autodesk AutoCAD (2D,3D) | 25 hours | Primavera center for planning engineering training (Khartoum) | Mar-19 |

**Reference**

**Eng Khalid Mustafa Hamza – electrical maintenance section head** –

**Khartoum Refinery Company**

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**Eng Osama Elsiddig - Electrical & Automation Supervisor**

**Dal Dairy Factory**

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