

Professional Profile

Electrical Engineer with 9 years of experience in Substations Installations, Power Transmission, Distribution, and Power Systems Protection Field Services. Motivated individual who is committed to delivering the highest quality service in challenging environments. Focused on environmental, safety, and health issues.

**MOHAMMED ALMOUSTAFA**

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| Personal Info    **0568975765**  [mhmdyahya14@gmail.com](mailto:engadelsheha@gmail.com)      **Location : Al Ain - UAE**  **Nationality : Sudanese**  **Marital Status : Single**  **Date of Birth : 29/03/1989** |

Professional Skills

Employment History

Electrical Engineer June 2021 – Till Present

Net Electro-mechanical Contracting Est.

Al Dhafra Region, Abu Dhabi, UAE

Project: Corrective Maintenance and New Installation Of Power Distribution Network Equipments, Transformers, Cables & OHL in Al Dhafra Region.

Responsibilities:

* Performing testing and commissioning for installed 33/11 KV & 11/0.45 KV Substations, Cables and RMUs.
* Root cause Analysis for breakdown , trips and faults in power distribution network equipments.
* Supervising 11 KV Cable Installation, from excavation to cables laying, backfilling and reinstatement work, Cable Jointing & Terminations.
* Review project scope and material specifications and Protection for Transformers, Cables, OHL, RMUs.
* Corrective Maintenance for Distribution Substations, Cables, and OHL.
* Ensuring that all electrical site activities are conducted under controlled conditions as per Schemes drawings, Method Statements, Work Plan, and ADDC standards for electrical works and specifications.

Site Electrical Engineer June 2019 – June 2020

E-TAG General Contracting Est.

Al Ain, Abu Dhabi, UAE

Project: Ain Al Fayda 33/11 KV Brick Built Primary Substation - 11 KV Cables Laying, Diverting and Package Units Cables Recovery.

Responsibilities:

* Supervised 11 KV Cable Installation, from excavation to cables laying, backfilling and reinstatement work, Cable Jointing & Terminations.
* Managed and Supervised Recovery Cables and TRMs of two temporary 11 KV Package Units till delivering to stores.
* Generated/Reviewed material requisitions, submittals, and method statements to ensure the contract performance measures are met.
* Ensured that all electrical site activities are conducted under controlled conditions as per Schemes drawings, Method Statements, Work Plan, and (AADC, ADEWA) standards for electrical works and specifications.
* Attended meetings with client, consultants and other contractors.

Areas of Expertise

* **Distribution Substations**
* **Power Systems Protection**
* **Fault Analysis & Investigation**
* **Testing & Commissioning**
* **Operation & Maintenance**
* **Emergencies Management**
* **Health & Safety**

Professional competencies

* **AADC Competency Card**
* **ADDC Competency Card**
* **Approved Professional Engineer and Membership**

(Sudan Engineering Council)

Power Plant Engineer Sep 2016 – Nov 2018

Sudanese Hydro Power Generation and Renewable Energies Co.LTD

Northern state, Sudan

Project: Operation and Maintenance for Merowe Dam Power Plant.

Responsibilities:

* Maintained and supervised Generation Units, Gas Insulated Substation 500 KV GIS, Air Insulated Substation 220/33 KV AIS, and Low Voltage Supply Systems.
* Up normal conditions and faults reporting using COSWIN CMMS.
* Performed faults diagnosing and troubleshooting for faulty equipment and breakdowns in Generation Units as shift engineer.
* Power Plant Normalization for I&C Systems, Switchgear, UPS and Relays in Emergency Cases and Blackouts using Standby D.G set.
* Arranging PTW & LOTO for Systems Isolation and Necessary Safety Precautions for maintenance, testing by Plant Technical teams.
* Prepared status reports and raised them to the Head of Operations Control Center for review and maintenance plans preparation by planning division.

Power Systems Protection Engineer Aug 2015 – Jul 2016

EleCon for Electrical Services Co.LTD Khartoum, Sudan

Project: Block 6 power generation, distribution networks, and 33 kV OHTL protection study   
(Part 1: Protection Coordination Settings). Balila West Kordofan, Sudan

Responsibilities:

* Root cause Analysis for breakdown , trips and generators failure in Power Plant (ROLLS-ROYCE and Wärtsilä) and Distribution Network.
* Reviewed protection settings for Power Generation Units, 33/11 kV Transformers, OHTL and Distribution Substations.
* Handled Risk Analysis and Production Impact Assessment before applying a complete Settings Upgrade for Protective Devices in Distribution Network substations using ***ETAP*** Software.
* Contributed in the analysis and assessment of power system components in Generation Plant, Power Distribution Network and Oil Pump Stations by using measurements and data extracted from Protection Relays.
* Performed root cause analysis and made recommendations to address local and system-wide implications under emergencies.
* Prepared engineering documents such as Blackouts and Breakdowns Justification, Power Plant & Network Status Reports, and Performance Enhancements Recommendations.

Testing & Commissioning Engineer Jan 2013 – Dec 2015

El-Saeed Co. For Industrial & Electro Technical Developed LTD,

Khartoum, Sudan

Responsibilities:

* Performed testing and commissioning for installed (33/11 KV) Substations.
* Performed Transformer Ratio (TTR), Insulation, Windings Resistance tests.
* Conducted Settings uploading for relays during and after maintenance for substations using most common software programs such as Siemens, Schneider, and ABB...etc.
* Performed Primary & Secondary injection tests using OMICRON CMC 256plus.
* Carried out Insulation and Ratio tests for CTs & VTs using CT Analyzer.

Academic Qualifications

**Sudan University of Science and Technology [Dec 2012]**

**College of Engineering**

**Bachelor of Electrical Engineering (HONS)/Equivalency Certificate (From U.A.E)**

Graduated on December **2012**

Courses

Level 1,2,and 3 Health & Safety In The Workplace.

**Ibn Battuta International Training Center. {Al Ain - U.A.E}**

Power Systems Design, Installation and Commissioning.

**EleCon For Electrical Services Training Center. {Khartoum - Sudan}**

Professional Organization

* Membership of Sudan Engineering Council

Languages