

# **Mohamed Ahmed Mohamed Alhassan**

## **Summary**

Currently working as an Electrical Installation Engineer in the Electrical Power Distribution field with Dhofar Electrical Contracting (a class B contractor with Client: NAMA Electrical Company, National Grid) in the Sultanate of Oman. Professional Summary:

I have more than 14 years of experience in electrical distribution installation and solar energy followed by little period in inspection where I familiarized myself with:

- Vendor inspection in compliance with applicable standards and specifications.
- International standards (IEC, TMSS, BS, ANSI, IEEE, etc), and Omani Standard (OES).
- Writing Terms of Reference, inspection reports, and review of test certificates, ITP, and TDS.
- Review all FAT attachments which included and not limited to the following:
- Packing List and/or List of Panels.
- Witnessed Test Certificates.
- Reviewed Test Certificates (Internal Tests).
- Familiar with solar brands of high quality such as Fronius, SMA, ABB, Vectron, Jinko, Sun power, Arena, BYD, Hanwha, LG old products, etc.
- Taking photos during witnessing tests.

## **Address & Contact Info:**

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## **Personal Data:**

Birth Date: May 1978.

Nationality: Sudan.

## **Qualifications:**

- B.sc in Electrical Engineering (power)- Sudan University of Science & Technology – 2022.
- Electrical Engineering Diploma - Sudan University of Science & Technology – 2007.
- Apprenticeship Diploma in Electricity Craft – Supreme Council for Vocational Training & Apprenticeship 2000.

## **Experiences:**

July 2024- current: **Electrical Installation Engineer** - Dhofar Electrical Contracting Co. L.L.C- Sultanate of Oman.

Job Summary:

- Manage the process of tendering starting from selecting suitable project and conducting feasibility study via measuring and pricing till preparing the final offer to the grid owner NAMA.
- Supporting the site team to verify that all site works running as per specification and scope agreed by the consultant engineer in the installation of L.V & H.V components such as PV, inverters, Transformers 11 & 33 KVA, overhead lines, cables, RMU, feeders, MDB.

- Conducting electrical tests, including insulation resistance tests, continuity tests, voltage tests, ground tests, and functional tests, to verify the performance, safety, and functionality of electrical systems and components.
- Ensure all electrical works complies with local, national, and international safety regulations.
- Preparing, reviewing and verifying compliance documentation, MIR, WIR, RFI, MTC, MAT, PQD including test reports, inspection records, material certifications, and as-built drawings, to ensure accuracy, completeness, and adherence to project requirements.
- Collaborating with electrical subcontractors, suppliers, and other project stakeholders to address quality-related issues, resolve construction conflicts, and ensure timely completion of electrical works.
- Regularly update safety procedures in line with regulatory changes.
- Implement preventive and corrective actions to mitigate risks associated with high-voltage work (up to 33 KV).
- Ensuring that all workers involved in electrical installation, focusing on high-voltage safety practices, the use of personal protective equipment (PPE), and safe work procedures.
- Ensure that proper isolation and de-energization procedures are followed before any work begins on live systems.

Oct 2023- Dec 2023: **Electrical Installation Technician** (Fire Alarm System)- Experience Mark Safety Tools Company- Jeddah, Saudi Arabia.

Job Summary:

Finalized the installation and commissioning of 3 projects:

- Mecca Transport Company warehouses in Alshumaisi area.
- Vehicles Safety Center, Jeddah North.
- Alrihab chalets project at Alharazat, Jeddah.

Jan 2024- May 2024: **Power Electrical Technician**- Almanara Alawal contracting company

Job Summary:

Finalize all electrical power distribution works at Modon Industrial Area at Alkharj, the project works include: installing power control panels -layout cables of medium volt system - installation of transformers, generators, synchronization panels, ATS, UPS, and Load panels. Also, finalizing the lighting systems and fire alarm.

March 2019- Nov 2023: **Technical Advisor for Vocational Training**

**German GIZ** (Deutsche Gesellschaft für Internationale Zusammenarbeit)

Job summary:

- Developing ready-to-use strategies, innovative initiatives, and technical concept notes, including guidelines, manuals, and Terms of Reference;
- Collect and review training manuals and curricula for vocational trades such as General Electric and Solar Energy installation, Car Mechanic, Car Electric, Welding, and Plumping in cooperation with the other technical advisors for vocational training;
- Design, manage, and oversee all vocational-technical skills training and youth programs by the project's general objective.
- Assist in the development of curriculum and training materials in the areas of CBT vocational-technical and skills tailored to the real updates in the world of technology
- and labor market demand. -Communicate and negotiate with vocational training technical head sections and trainers to agree on the new updates in the curriculum as well as its new requirements regarding the equipment, tools, raw materials, and academic style framework.
- Manage the process of equipping the vocational training schools.
- Assist in drafting trainee's profile documents to ensure proper data records for proper assessment process.
- Conduct trainers' capacities assessment upon delivering the new curricula.

Aug 2011 – Feb 2019: **Electrical Engineer**

Ministry of Urban Planning & Infrastructure / Roads, Bridges, Water Drainage & Transport Corporation- Khartoum

Job Summary:

- Follow up with contractors' companies in street lighting projects as a consultant (sometimes follow up consultant as a client representative).
- Represents the client in the handover of street lighting and solarization projects.
- Coordinates with the national electricity company (SEDC) to coordinate all works regarding power supply.
- Participates in the pre-design works negotiations.
- Coordinates with procurement in drafting tender invitations.
- Approving payments (according to corporation criteria) for consultants' & contractors' companies according to their accepted executed works.
- Participates in the both preventive and corrective maintenance of Khartoum State Bridges Lighting & water Drainage Pumps.
- Participates in the estimations & preparations of the department's annual budget.

Jan 2011 – Aug 2011: **Power Plant Technician**

**DAL Group (SAYGA -Investment Co.) Khartoum- Sudan** Job Summary:

During the installation of power plant stations, I participated in the following:

Assembly of power control panels -layout cables of medium volt system -installation of transformers, generators, synchronization panel, ATS, UPS, and Load panels. Then tests of all mentioned.

After the completion of the Installation, I became an operator and maintenance technician of the above power plant stations.

April 2009 – Jan 2011: **Technical Instructor**

**Vocational Training Corporation – Khartoum State- Sudan** Job Summary:

- Executes both theoretical & practical lessons.
- Preparing the workshop to be ready for practical lessons.
- Managing the store of tools & equipment.
- Ensuring the safety procedures are implemented as required.
- Attention to the right use of the tools & equipment.
- Participating in the maintenance of lab equipment.
- Assessment of trainees during the practical applications in the Workshop.
- Participating in other activities such as preparation of the annual budget, performance evaluation, electrical installations & maintenance in the VTC centers.

June 2006 – Mar 2007: Electrical Technician Almusharaf Flour Mills- Khartoum- Sudan Job Summary:

Execution of preventive & corrective maintenance for: (Motors, Packing Machines, Control Panels, Sensors, and Valves) - calibration of flow balancers- scales - adjustment of motor speed control units.

Jan 2006 - Apr 2006: **Power Plant Technician (Temporary Contractor) DAL Group (SAYGA**

-Investment Co.) Khartoum- Sudan Company Industry: Industrial & Manufacturing

Job Role: Engineering

Job Summary:

Assembly of power control panels -layout cables of medium volt systems -installation of: transformers, generators, synchronization panel, ATS, UPS, and Load panels and tests of all the above.

Training Sessions:

- **Nebosh** certification March 2025.
- **IOSH**, Sep 2024.
- Solar Installation of Gen24 Fronius solar inverter- Fronius E- Academy.
- Hazard Identification, ESR, Incident and Accident Investigation, Safety Leadership for Managers, Fire Warden, American Heart Association First Aid and CPR- Oman 2024.
- Compliance training (EU data protection training)- GIZ- online- March 2023.
- Advanced pedagogy training – GIZ Academy – online – May 2021.
- Occupational health & safety- GIZ Academy – online – Jan 2021.
- Compliance training (EU data protection training)- GIZ- online- March 2021.
- Code of ethics, pricing law, procurement producers - GIZ- online- Nov 2020.-
- PMP book 4 exam preparation – Brain Power Institute- Khartoum Nov 2012.
- Solar Energy Techniques –Institute of Energy Researches-Ministry of Science & Technology-May 2012.**
- Training of Trainers-Supreme Council of Vocational Training & Apprenticeship- Dec 2012.
- PLC (Programmable Logic Control) - Korean & Sudanese Vocational Training Center- May 2010.
- Generators repair- Dal Engineering Co (Sutrac - Caterpillar Agent) - Aug 2006.
- Power Stations Operation- North **Cairo** Power Station Training Center- Nov 2006.

Languages:

Arabic: Mother tongue

English: Excellent in both writing & speaking.

Skills

ICT skills: Microsoft Programs (Word, Excel, PowerPoints, outlook): Excellent.

Interpersonal Skills: (communication verbally or in writing, team player, cooperative, handling conflict): Excellent.

Organizational skills: manage time effectively, prioritize tasks, set goals, and develop systems for achieving goals: Excellent.

Training skills: Teaching, Training, and illustrating skills: Excellent.

