HAZIM MUTASIM ELHADI
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Date of Birth: February5th 1990.

Job objectives

A position where I can make use of my skills and develop myself to enrich my knowledge and to be more effective person in the organization.
I'm looking forward for an opportunity to display and develop my skills further in the field of, installing, testing, commissioning, and Execution of Electrical projects, Maintenance & operation of electrical systems.

Career summery

Practical site work experience in Installation Testing& Commissioning, operation and Maintenance of High voltage, Low voltage systems

Career history

I. Organization: Classic Architecture engineering .Consultancy (UAE-Ras alkhima)
Designation **Electrical Consultant Engineer**
Period: 2019 until now

II. Organization: Sudanese hydro generation company, 2017
Designation: **Chief operation Engineer** Period: 2017 -2019

III. Organization: Ministry of electricity and dams – Dams implementation unit - Sudan (Project department)
Designation: **Project engineer**-QC/QA Engineer
Period: August 2013 – 2017

IV. Organization: Ministry of electricity and dams – Sudanese electricity distribution Company Designation: **Maintenance engineer**
Period: February 2011 – August 2013

Experience

Sudanese Electricity Distribution Company- Sudan

Job title: Maintenance engineer 2011-2013

Key Responsibilities:

1. Supervise all the electrical maintenance activities at cable and substation section.
2. Operation and maintenance of 33KV, 11KV Substations.
3. Trouble shooting of faulty circuits.
4. Testing and maintenance of Substation equipment's Switchgears ,CTs, VTs, DC systems ,Auxiliary systems
5. Control & Power circuit checking for HT/LT switchboards
6. Testing and maintenance of high or low voltage cables and transformers.
7. Submit daily, weekly and monthly reports to the Managers.

Ministry of electricity and dams (SUDAN) - Projects Department, August 2013-2017

Job title: Electrical Project Engineer

1. Design, plan and implement electrical project and infrastructure work, Supervising this work where necessary.

2. Design of electrical Power plant &Substation facilities including site and work layouts, grounding, foundations, controls, protection, metering and equipment drawings for power plant & Substation projects.
3. Assist with progress reporting and monitoring of Construction/Commissioning programs
4. Commission new systems to ensure operational requirements are satisfied
5. Coordinate the installation of electrical equipment by contractors and plant personnel to meet scheduled completion dates, and to assure compliance with plans and specifications
6. Commissioning and handover of multi-disciplinary electrical systems
7. A detailed understanding of 3D/2D AutoCAD, assisting in the preparation of drawings for outline and detailed designs for Electrical engineering projects
8. Coordinate the aspects of electrical system design with other engineering disciplines including Environmental, Civil, Mechanical, HVAC, and Architectural
9. Provide technical support during construction and commissioning.
10. A proactive approach to problem solving with an ability to adapt to changing scenarios
11. Review the designs underway by external contractors to ensure compliance within scope and with standards.
12. Factory tests for some equipment's at the manufacture country
13. Review all electrical calculations, short circuit current, relays setting & drawings for approval.
14. Witnesses all protection numerical relays testing.
15. Make daily and monthly reports about project works for Managers & Create project schedules

Working in installation, testing and commissioning of **Hydro Power generation plant** of (upper Atbara and setit dam) …one of the biggest power plant projects in Sudan. This project consists of:

1/ Electrical generators (4 units - 80 MW total capacity 320MW)
2/ Power transformers 13.8/220 KV (12single phase transformers 3 for each unit).
3/ GIS (gas insulation substation) 10 bays.
4/ DC and UPS systems
5/ Auxiliary transformers 13.8/415V
6/ Operation and administration building, (7 FLOORS)
7/ Electrical auxiliary systems (CCTV, Fire alarm, Lighting, Elevators)

Key Responsibilities:

1. Supervise Erection works, testing & commissioning of the **Power Transformers** 13.8/220 KV and its auxiliary systems.
2. Supervise Erection works of **GIS substation** (10 bays) and testing works for its various equipment's (CBs, CTs, VTs, Isolators, Bus bars, Protection Relays & control panels)
3. Supervise **220 kV cable** laying & testing.
4. Supervise installation of 220KV transmission outdoor extension substation equipment's (surge arresters CTs, VTs, circuit breakers, and connection to the 220 KV busbar).
5. Supervise the execution of site works of **the transmission line** (25 Km) such as towers erection &conductor stringing.
6. Supervise (Power plant) **DC-UPS system** installing, testing & commissioning
7. Supervise (Power plant) **HV-MV circuit breakers** installing, testing and commissioning
8. Supervise (Power plant) **LV auxiliary systems** installing testing & commissioning.
9. Supervise **Diesel generators** installing, testing & commissioning.
10. Supervise all electrical installation works at the **OPERATION BUILDING** 7 Floors (Load Calculations, Design review for cables CBs…etc., Drawings review, Cable wiring, Distribution boards installation, Earthing system installation) and various electrical equipment's installation, testing and commissioning.

11. Factory tests for some equipment's at the manufacture country (China).
12. Review all electrical calculations, short circuit current, relays setting & drawings for approval.
13. Witnesses all protection numerical relays testing.
14. Make daily and monthly reports about project works for Managers.

Sudanese hydro generation company, 2017

Job title: Operation Chief Engineer

Key Responsibilities

1. Supervise Monitoring and operation of (Generation units, HV GIS substation equipment's, MV system equipment's, Power plant LV auxiliary system) using **SCADA SYSTEM**
2. Monitor parameters and keep them under limits.
3. Make load flow studies for operation to ensure **Reliability** and **Stability** for the Systems.
4. Ensure all the control systems working correctly.
5. Maintaining the load schedule provided by National load dispatch center.
6. Maintaining log sheets.
7. Keeping the unit's live-avoiding unnecessary tripping.
8. Supervise all the steps of Permit works to ensure the safety operation for the systems
9. Ensure efficient and reliable operation of all systems Electrical & Mechanical-equipment's of power plant
10. Supervision of the shift staff
11. Ensure safety operation for the power plant

Classic Architecture engineering Consultancy (UAE-Ras alkhima)
(FEWA APPROVAL)

Job Title: Consultant Electrical Engineer

1. Design electrical systems and equipment specifications and safety standards.
2. Plans the execution of all electrical related works to mechanical and civil Groups.
3. Perform detailed calculations to establish FEWA standards and specifications.
4. Submits site daily reports, inspection requests, estimates and all applicable monitoring reports on regular basis or as required.
5. Supports the project manager in accomplishing all the goals and targets of the project.
6. Coordinates with clients/contractors representatives for any site Instructions and inspection
7. Monitored junior engineers and new hires to better improve the Competency and efficiency of all staff.
8. Inspect installations and observe operations and testing and commissioning for electrical systems.
9. Use computer-assisted engineering software (AutoCAD) to perform the electrical construction projects
10. Load calculation with respect to British Stander& FEWA regulations

Skills and highlights

- Microsoft OFFICE
- AutoCAD
- Maintenance
- Testing &commissioning
- Drawing checking
- Good knowledge in various types of protection systems.

Training and courses

1. **(PLC) programmable logic controller,** JELECOM INSTITUTE 2012.
2. **Design, erection, operation, maintenance &protection of EHV Substations**, REC Institute **INDIA (6weeks) 2018**
3. PMP project management professional certificate preparation course, Sollara institute - Khartoum

4. **(Power electronics**), CAIRO UNIVERSITY2010
5. **(Power system Protection and Measurement),** Cairo University 2010.
6. **(AUTOCAD),** DREAMS TOWER Institute.
7. **(COMMUNICATION ENGLISH COURSE**), CAMBRIDGE Institute.
8. Sudanese Sugar Company-Asalaya sugar factory 2 month's(training).2009
9. Alnakhla plastic factory for one month(training).2011

Education

Master Degree

University	Sudan university of science and technology
College	College of Graduate Studies
Department	Department of electronics Engineering
Grade	**MASTER** degree in Mechatronics Engineering
Class of award	EXCELLENT
Graduation Date	JAN/2018
Complementary research Title	Improving of Sudanese National Grid Performance by using Modern Var Compensators

Bachelor

University	Sudan university of science and technology
College	College of engineering
Department	Department of electricity
Grade	Degree of **Bachelor** in Electrical Engineering (Power & Machines)
Class of award	Second class division one (Honors)
Graduation date	22/September/2011
Project grade	Excellent

Spoken language

Arabic	Mother language
English	V.Good

Skills and values

- Interactive and fast enough to learn new technologies and sciences.
- Able to work long shifts in emergency
- Ability to work in group, under pressure, manage stress, teaching others, helpful, creative and calm.
- High Communications Skills.
- Self-Motivated.
- Competent and keen to meet deadlines successfully overcoming challenges to maintain the high quality of work.
- Valid driving license extracted from state of Khartoum 2008.
- Working as a Call Center and Customer Service Officer with Zain Telecommunication For3Monthes Company has accumulated considerable added value to my career experience
- I believe in integrity, honesty and ambition as driving factors to success.