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## Electrical Engineer

### Personal information

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**Date of birth : - 1/1/1973**

**Nationality : - Sudanese.**

**Language : - Arabic (mother tongue), English Fluent**

**Marital status: - Married and I have three sons .**

**Religion : - Muslim**

### **OBJECTIVE:**

To seek employment and position in Electrical Engineer to meet My jobs & skills on planning, maintenance design & installation erection of new factories power plant and projects ,include pumps ,agitators , posters , filling machines , packing machines and , manufactured panels for power and control .also Maintenance & installation Generators plant up to 10 MW, 11KV. Interrupted power supply, electrical instrumentation, Installation variable speed drive, soft starter & pumps for petrol project s.

In addition to my technical experiences, I have gained management experiences, below:-

Manage organize direct Control personnel to undertake the supervision and Monitoring of Engineering design construction and commissioning of all industrial plant Field facilities development projects whilst assuring quality and Technically sound approach , economic viability and timely Implementation in achieving all project objectives (safety cost Schedule and quality targets) , Manage all cross-functional and cross-departmental activities in ,Project Integrated Review plan and facilitate the development of Technology capabilities skills and knowledge level of subordinates , Provide the overall planning framework and direction to effectively Put in place the Project Execution Plan including overall Project schedule in time and cost effective conforming to requirements of companies established policies procedures and standards. This Include manage the interface issues with partners and host government, enforce respective contractors to meet the require technical Specifications i.e. detailed design packages, fabrication ,

Installation; hook-up and commissioning packages, and meet standard Work processes ,set policies procedures and governmental regulations , Develop effective plan and strategy to formulate and manage the project, execution and implementation from conceptual engineering until handover of facilities to meet customers' requirements , Develop and establish project procedures to monitor cost, Schedule. Manage and supervise staff training & development to enhance Skill proficiency, achieve required competency level and Professionalism ,Identify training/ development needs and plan programs , Monitor implementation of training/ development programs, Facilitate in imparting technical skills to accelerate skill, and knowledge acquisition , in addition to that I can Provide Training on job.

## **Hain for Engineering consultancy**

I join this company since January 2016, As Manager of Electrical Engineer department

To design and supervise the electrical works of all projects

Duties and Responsibilities

- Takes care of the area of control and systems and leads the company plants.
- responsible for being technically involved with work motors, operation controllers,
- works as a coordinator and administrator for the electrical and civil workers , organizes the fields and to use my knowledge and skills in the execution of his plans.
- Managing and handling other sectors of electrical engineering department, developing policies and strategies for controlling the electrical systems properly, and completing other tough and challenging projects.
- Recognizes the technical problems and analyzes them
- solves the same by working on the electrical systems, design, and automation. repairs the defects of the electrical equipments, heads the technical department, and assists the workers under completing support activities that benefit the electrical engineering department.
- Administering and directing the entire development and research activities connected to control technology
- Creating electrical control engineering systems .
- Providing training to the technical staff and assisting them with certain projects
- Introducing the locations of the plants to resolve power, and planning matters and

automation related to electricity

- Installing electrical engineering control systems for testing and checking, so that they can be utilized by the customers
- Holding back various electrical engineering systems and ensure their proper functioning
- Utilizing control systems and electrical engineering equipments for operations
- Communicate to the vendors of the equipments to resolve matters on the figure, status, and choice of the equipments
- Adhering to all the electrical system problems and coming out with their solutions
- Providing electrical engineering knowledge and wisdom to the engineers who are new or less experienced
- Providing directions for power equipments and distribution systems
- Providing technical knowledge to figures that have a concept or purpose
- Aiding the business electrical standard team members
- Putting forth safety practices to electrical equipments like generators, transformers, inverters, and switchgears
- Enhancing electrical technology and maintaining safety procedure

## **Atlantic Engineering works**

I established this company 2015 , for Electrical Engineering works ,

Through this works :-

- I design low voltage panels .
- 2- Installation factories .
- 3-cable calculations and load calculations of new factories.
- 4-low voltage substation erection .
- 6-factory troubleshooting.
- 7- Calculate and design and build power factor panels.
- 8-design and installed control panel

*From December 2010 to present* **Supervisor Electrical Engineer & Project Management**

1- Moteron + tubo center company  
At this company , I work Electrical engineering , in Aljaili depot , this company is main

contractor and responsible about electrical section in distribution petroleum center , so it responsible about maintenance and check , pumps , soft starter,Instrumentation and Electric Valve (ROTORK ) , plc , MCC and scada.

I installed and commissioned 6 flow meter (Avery - Hardoll MkII) from Maggitt fuelling product - England , for oil libya company

2- Cooperate with Iran Gas company in Ashajara depot Gas , this company work at filling and distributed cylinder gas field , I design and made electric installation and commission including cable calculation and tray of two filling hall after burned at January 2014

3- Design power panel of Gina flour mill ,I 3 panel ,each panel 35000 A

*From January 2004- **lead Electrical engineer - (design & installation )***

I had been working private(**FREELANCE** ) as contractor and subcontractors with many companies, during this period I executed many projects and jobs:-

**A-** Rehabilitation of electric systems of Khartoum Company of milk production Khartoum north - Hilat koko.

Replaced the old system of power from work with fuses to work with modern circuit breaker. -

Repair and maintenance all pump and agitators systems. -

Maintenance ventilation system of factory. -

Maintenance compressors. -

**B-**Made panel, installed and commissioning of two soft starters 400KW for two huge pumps in Port Sudan for exporting Benzene to ministry of energy and mining through company called Aljack and alsanosi company.

**C-** Modified dc systems drive, with modern Ac drive, (variable speed drive) to bambinoo furniture factory - Omdurman.

**D-** Make soft starter control of machine of crushing stone west of Omdurman 110kw for Rida Company through ELECTRICAL ENGINEERING INTERPRICE & IMPORTS

**E-**Installed electric systems for anew detergent soap factory called Salphonia for soap and cosmetics. Located at South of Khartoum though ELECTRICAL ENGINEERING INTERPRICE& IMPORT

The installation included:

All Factory machines that made in Italy by Ballestra. , capacity 15tons per hour full automatics systems, drive by PLC and SCADA systems. The plc is Allen Bradley

We installed powder and plc systems and then, the commissioning is done by Italian Engineer came from manufactured company. -

Installed and commissioning the plc and scada systems -

Installed and commissioning the automatic valves, approximate switches , weightings systems -

Installed auxiliary equipment of factory like cranes, pumps, and boilers. -

**F** -Executed electric maintenance to some (generators) deutiz as par timer with

sudana electro mechanical in Khartoum refinery, Airport, weata ,....etc

**G-** Co. operative with moteron + turbo Center Company. Arkawaite at executed , New project and electric maintenance

**H-** Design, build panels and installed machines lighting for Manahil factory for foods industries.

**I-** Installed and commissioned paste soap line for Omdurman factory for soap and chemical.

**J-** design control panel for Rida mining company power Generator 2000KVA deutz

**L-** Installed and programmed inverters for some factories included:-

- 1 - Omdurman factory for soap and chemical, packing machines.
- 2- Tajouj factory for soap, boiler and packing machines.
- 3- White Nile for plastic, inverter 40kw for screwed Machine.
- 4- Best factory for milk, inverter 100kw for homogenizer Machine.

**k-** Installed automatic valves work with PID control for Omdurman factory for soap and chemical

**5-** maintenance Generator 350KVA , replaced AVR & rotating Diodes .

**6-** Make commissioning of power panel Automation of textile factories of Shindi ,kosti and Eldiuim ,works by PLC Allen Bradelly .

**7-** Installed machines of white Nile plastic factory .

**8-** Installed and programs ABB INVERTER, ACS 400,ACS 550.

*April 2002 to November 2003* **SR Electrical Engineer**

Masa for engineering and development company (MEDCO).

At this company my activity at Energy department, Included :-

- The trading side of projects.
- Take reading from factories.
- Send and received the document from supplier in England PQE Company.
- Installed commissioning and maintenance equipment.
- Installed & Maintenances power factor correction of Giad for cars and trucks (nine panels).

*May to October 2001* **Maintenance supervisors**

Arab company for Agricultural production and processing (Sudan) ltd. at this period I did some activities: -

- Design anew electric control systems for yoghurt machine size 380g.
- Co operative of installed and commission of yoghurt machine 200g working with plc Siemens S5.
- Installing and commissioning of anew butter line.

*1996 to February 2001* **Maintenance Engineer**

<p><b>1-</b>Nile corporation textile corporation – DAEWOO – from 1996 up to 2001, as maintenance Engineer and leader responsible for factory machines trouble shooting, operation, maintenance for two power plants &amp; substations. Included:-  Full knowledge of machines works with PLC (Programmable logic controller) systems, maintenance and program. Systems of variable speed control and soft starters.  Power station and switchgear: maintenance, operations and commissions of MAN, YANINAR, CKD and DAEWOO generators.  One of Engineers that follow up the installation, commissioning and operations of new power plant (4*2.5MW) 11 KVA .MAN Sangyong.  Maintenance of switchgear 415V 50HZ.  Control system Included:-  Open and closed loop systems and repair, troubleshooting of various electric control systems.</p> <ul style="list-style-type: none"> <li>- Design panels for new machines</li> </ul>
<p><i>1992 to October 1995</i> <b><u>University Student</u></b></p> <p>Sudan University of science and technology Engineering collage. Electrical engineering</p> <p><b>Diploma electrical engineering three years October 1995</b></p>
<p><i>1999 to 2001</i> <b>Bachelor electrical engineering five years September 2001</b></p>
<p><b>While I am working , I Complete Bachelor electrical engineering five years September 2001</b>  Programmable logic controller (PLC), as project submitted for partial fulfillment of Bachelor in electrical engineering</p>

## **COURSES**

**1-January 2009 Diploma in Auto CAD 2009 from Arabic technical company .**

**2- 2010 English language course Head way series**

**3-PMP course 2013 KIWI training center**

**3-Instrumentation and process control course from**

## Exemplar center for Engineering training and career center

January 2014

4-PRIMAVERA 6 course 2014

5-PLC & SCADA course 2018 Exemplar center

6- Etap course Exemplar center 2019

### ORGANIZATIONS

2009 - Registered in Sudanese engineering council.
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2009 - Registered in federation of Sudanese engineers
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### Skills

<b>Computer &amp; PLC , SCADA</b>
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Office, excel, AutoCAD, internet.

**PLC, Allen Bradley ,Siemens , LG, Omron , Mitsubishi ,...etc .programming , troubleshooting .**

*I have Good communication and presentation skills.*

*-I have Good problem-solving skills and a creative approach for new ideas ,*

*- Excellent technical knowledge*

*- I have Good team working skills*

*- I have The ability to priorities and plan effectively*

*- I have Good commercial awareness*

*- I can work under pressure and to deadlines.*