

# CV



## Electronic Engineer

### ***Mohammed Hamid Ahmed***

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Date of Birth: Noveber13 1985.

### **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, Maintenance and Execution of projects related to power systems

## **Career summery**

Practical site work experience in Installation Testing& Commissioning & operation of High voltage, Low voltage systems..... Switchgears, Transformers, Motors, Generators, GIS 220 KV , low voltage installations works,DCS ,SCADA,CCTV ,Fire fighting ,security systems.

## **Career history**

❖ Organization: Sudanese hydro generation company, :january frist/ 2018 until now

Designation: Chief of control and instruemntation unit

Period:january frist/ 2018 until now

❖ Organization: Ministry of electricity and dams – Dams implementation unit - Sudan

Designation: Project engineer-QC/QA Engineer

Period: August 2013 – 2017

❖ Organization: Ministry of electricity and dams – Sudanese distribution company

Designation: Electronic engineer

Period: February 2011 – August 2013

## **Experience**

### **MINISTRY OF ELECTRICITY AND DAMS –SUDAN**

**Job title:**

**Control engineer 2011-2013**

### **Key Responsibilities:**

1. Supervise all the electrical maintenance activities at cable and substation section.
2. Operation and maintenance of 33KV, 11Kv Substation Equipment's.

3. Operation & maintenance of Electrical Switchgears & Protection Relays
4. Testing of HT/LT power transformers
5. Testing of various relays installed in HT/LT CBs at substation
6. Trouble shooting of faulty circuits
7. Testing and maintenance of CBs& CTs
8. Control & Power circuit checking for HT/LT switchboards
9. Testing and maintenance of high or low voltage cables and transformers.
10. Submit Daily, weekly and monthly reports to our Manager

### **DAMS IMPLEMENTATION UNIT ,august 2013-2017**

#### **Job title:**

#### **PROJECT ENGINEER**

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. Consists of:

- 1/ Electrical generators (4 units - 80 MW for unit- total power generated 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 13.8/415.
- 6/ Electrical auxiliary systems (cctv,,fire alarm, lighting, elevators )
- 7/ All of the electrical installation in the operation and administration buildings.
- 8/Computerized control system

#### **Key Responsibilities:**

1. Installing testing and commissioning of Main transformers 13.8/220 KV.
2. 220 kV cable laying &testing.
3. Supervise installation of 220KV transmission outdoor extension substation (including surge arresters CTs, VTs, circuit breakers, and connection to the 220 KV busbar.
4. Supervise the execution of site works in the transmission line such as towers erection &conductor stringing.
5. Supervise (Power plant) DC-UPS system installing, testing & commissioning
6. Supervise (Power plant) HV-MV circuit breakers installing, testing and commissioning
7. Supervise (Power plant) LV auxiliary systems installing testing & commissioning.
8. Factory tests for some equipment's in the manufacture country(china).
9. Review all electrical calculations, short circuit current, relays setting &drawings for approval.
10. Supervise all protection numerical relays testing.
11. Make daily and monthly reports about project works

## **Sudanese hydro generation company, 2018 until now**

**Job title: : Chief of control and instrumentation unit**

### **Key Responsibilities**

1. Handing out permits for maintenance activities
2. Perform preventive maintenance works
3. Perform corrective maintenance works
4. Monitor parameters and keep them under limits
- 5 perform fault analysis for systems
6. Ensure efficient and reliable operation of all systems -Electrical&Mechanical-equipements of power plant.
7. Supervision of the staff.
8. Ensure safety operation for the power plant.

## **Skills and highlights**

1. Skills to test and commission all types of switchyard and switchgear equipment's such as Current transformers, voltage transformers, Circuitbreakers, Isolators, Earth switch and lightning arrester, Generator transformers, auxiliary transformers, motors
2. Skilled of all types of drawing checking, Scheme checking of various electrical systems

## **Training courses**

1-(PLC) Programmable logic controller, arabic technical co.ltd, 2012

2-(SCADA) Supervisory Control And Data Acquisition, arabic technical co.ltd,2012

3-(RAM) Reliability Availability Maintainability, petrodar operating company,2012

4-Commission and testing of electrical power equipment, petrodar operating company,2011.

5-Automation and industrial control system Exemplar Center for Engineering training and career development,2016.

## **Education**

### **❖ Master Degree**

<b>University</b>	Elneelain
<b>College</b>	College of graduate studies
<b>grade</b>	Master degree in Electrical and Electronic Engineering ( <b>control system</b> )
<b>Graduation date</b>	20 Dec 2016

## ❖ Bachelor

<b>University</b>	Elneelain
<b>faculty</b>	Faculty of engineering
<b>grade</b>	B.sc Hons in Electronic engineering(control)
<b>Class of award</b>	Second division class one
<b>Graduation date</b>	2010
<b>Project grade</b>	v.good

## Technical skills

<b>WEB</b>	Excellent
<b>Windows</b>	Excellent
<b>Office</b>	V.good

## Spoken languages

<b>Arabic</b>	Mother language
<b>English</b>	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..
  
- I believe in integrity, honesty and ambition as driving factors to success.

## **Personal informations**

- Date of birth: 13-11-1985
- Natioality: Sudanese
- Marital status : Married
- Gender: Male





