

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 10 years hands-on experience working in maintenance, protection, testing and commissioning.

## PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Zagazig University, 2010

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: MS Project

## TRAINING COURSES AND CERTIFICATIONS

- : MS 9001 Gas Turbine Operation Training, GE (2011).
- : Generator control EX2100R, GE (2011).
- : MV SWG, LV SWG and DC Systems - Operation and maintenance Training, Schneider (2011).
- : Gas Insulated Switchgear (220KV) - Operation and maintenance Training, SIEMENS (2011).
- : Substation Control System - Operation Training, SIEMENS (2011).
- : Training for replaces and repairs of all types HHIB transformers, Hyundai Heavy Industries (2011).
- : Electrical Power Systems Distribution - LV Electrical Design, JELECOM Training Center, Cairo (2013).
- : Generator and Transformer Protection - gas turbine operation training, Fayed Training Center of Ministry of Electricity & Energy (2013).
- : Current and Voltage Transformer - Training for CT and VT Testing, Fayed Training Center of Ministry of Electricity & Energy (2013).
- : Programmable Logic Control (PLC) - programs design, troubleshooting faults and solve problems for PLC circuits, JELECOM Training Center, Cairo (summer 2009).

- : Practical training at Talkha Power Station, MDEPC (summer 2009).
- : Practical training in Petroleum System at Khalda Petroleum Company (summer 2009).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2016 till now

**Employer** : Gihaz Energy Services Co. (GESCO), KSA

**Projects** :

- 110/13.8KV SS, UNIVERSITY 4 JEDDAH
- 110/13.8KV SS, AL RAWADA JEDDAH
- 110/13.8KV SS, SARI JEDDAH
- 110/13.8KV SS, AL NASSEM MAKKAH
- 110/13.8KV SS, AL BAYAH TAIF

**Job titles** : Senior Electrical Engineer / Testing & Commissioning Team Leader for MV & HV substations

**Job Description** :

- Work as a Team Leader, supervise and manage all testing activities and give technical support for it.
- Power transformers testing activities.
- Auxiliary TR testing activities.
- Capacitor bank and shunt reactors.
- Switchgear component, schemes and protection relays acceptance and final setting as per NG recommendation and standards.
- GIS component, schemes and protection relays acceptance and final setting as per NG recommendation and standards.
- GIS HV Test, primary and stability activities.
- SWGR HV Test, primary and stability activities.
- Control and protection panels (component, Scheme, protection relays acceptance and final setting as per NG recommendation and standards).
- Open loop activity up to SAS HMI and WRCC signals.
- Close loop with WRCC.
- Final trip test.
- Final setting review.
- End to End test.
- Energizations of substation and on load test.
- Network reinforcement for old substations.

**Dates** : From 2014 till 2016

**Employer** : DAR Engineering, KSA

**Projects** :

- MOHYIL ASIR 380/132KV SUBSTATION
- ROIBIKA NAJRAN 132/13.8KV SUBSTATION
- OSHIRA NAJRAN 132/110KV SUBSTATION
- BANI SAR AL BAHA 132/13.8KV SUBSTATION
- KADRA JIZAN 132/13.8KV SUBSTATION

**Job titles** : Protection Electrical Engineer / Witness for contractor testing and commissioning activities (NG- CSD)

**Job Description** : Worked as Electrical Engineer in Commissioning Services Department (CSD) with Saudi Electrical Company (SEC), supervise activities such as:

- SF6 Gas Analysis for 380KV GIS.
- Acceptance and Final setting of all types of relays (ABB + Siemens +

Areva).

- Review, implement and testing of all types of (ABB, Siemens, Areva) relays.
- Scheme and Function checks of 380/132/33/13.8KV switchgears and protection panels.
- Bus Bar Protection Function and schemes for 380/132/33/13.8KV.
- Load shedding and synchronizing panel's final setting.
- 380/132KV Transformer, Shunt and Series Reactor Testing.
- Commissioning and inspection of SCADA system, SOE, Fault recorder and RTUs.
- Commissioning and inspection of DC Charger and DC Battery Bank.

<b>Dates</b>	:	From 2010 till 2014
<b>Employer</b>	:	Ministry of Electricity & Energy
<b>Project</b>	:	Al-Shabab Gas Turbine Power Station 1100MW
<b>Job title</b>	:	Electrical Maintenance Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• Witness for all electric field testing during the installation of plant project &amp; have training from SIEMENS, Hyundai Heavy Industries and GE GENERAL ELECTRIC Company.</li><li>• Modification of control circuits as per the plant change requests and update all related plant drawings to reflect the actual changes.</li><li>• Able to handle Root Cause Analysis and troubleshooting of Electrical Equipment's.</li><li>• Periodic Maintenance of main transformer 165MVA, ONAN, ONAF, 15/220KV) and Auxiliary 8MVA, ONAN, 15/6.6KV) Transformers specially HYUNDI type.</li><li>• Following the installation of large transformers (HYUNDI type 165MVA, ONAN, ONAF, 15/220KV) during plant.</li><li>• Testing protection relays of main transformer and Auxiliary Transformers (such as Transformer Differential Protection Relay (T60 relay, Transformer Neutral Over Current Protection Relay (MIFIN), Time &amp; Instantaneous Over Current Relay (MIFIP)).</li><li>• Testing the transformers parameters (Turn ratio TTR, winding resistance, insulation resistance test, oil b and no load test).</li><li>• Maintenance of main transformer 165MVA, ONAN, ONAF, 15/220KV) and Auxiliary 8MVA, ONAN, 15/6.6KV) Transformers specially HYUNDI type.</li><li>• Testing of mechanical protection relays of main and Auxiliary Transformers (Buchholz relay (63T)).</li><li>• Pressure relief (63TP), "OLTC" Oil Swift Flowing Relay (80SST), H.V Winding Temperature (49T1), L.V Winding Temperature (49T2), Oil Temperature (26T)).</li><li>• Versed with power plant Generation systems. O&amp;M experience of Power Generating Machines like GE, BBC.</li></ul>