

Holds a B. Sc. in Electrical Power Engineering and a Diploma in Protection of Electrical Power System. Has over 10 years hands-on experience working in maintenance, protection, testing and commissioning. Has good knowledge of standard specifications (IEC, IEEE, ANSI, ASTM, B.S, EUS).

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/03/1986  
Gender : Male  
Marital Status : Married  
Residence : Dakahlia

## **EDUCATION**

: B. Sc. in Electrical Power Engineering, Zagazig University, 2008  
: Diploma in Protection of Electrical Power System, Mansoura University, 2015

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Autodesk AutoCAD  
: Primavera

## **TRAINING COURSES AND CERTIFICATIONS**

: AutoCAD (E.E.T.C).  
: English Courses (E.E.T.C & MODLI).  
: 9FA Gas turbine & generator operation and maintenance, EX2100e Excitation & LS2100 & Generator Protection Panel Training, GE Company, Belfort – France (Feb./Mar. 2013).  
: Steam turbine generator and condenser maintenance, ANSALDO ENERGIA COMPANY, Banha Power Station 750MW Combined Cycle (Nov./Dec. 2014).  
: DC and UPS system operation and maintenance, Protective relaying operation and maintenance, PSP ELSEWEDY, Banha Power Station 750MW Combined Cycle (Jan. 2015).

- : Jobsite training program for testing and operation of 245KV by Hyundai Heavy Industries, conducted in Banha Power Station 750MW Combined Cycle (Apr./May 2013).
- : Operation and maintenance of switchgear 6.3KV, load center and MCC 0.4KV by Schneider Electric, conducted in Banha Power Station 750MW Combined Cycle (Dec. 2014).
- : Summer trainings at:
  - Talkha Power Plant (1 month).
  - Coaderas Training Centre (6 weeks).
  - Herria Transformation Substation (1 month).
- : Grounding system & Transformer.
- : Electric Preventive Maintenance.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2014 till now
- Employer** : Middle Delta Electricity Production Company
- Project** : Banha Power Station 750MW Combined Cycle
- Job title** : Electrical Engineer
- Job Description** :
- GIS 220KV:
    - Testing and commissioning of 220KV GIS switchgear.
    - Testing and commissioning of power transformers (Double and Tertiary winding).
    - Switchgear interlock and operational test.
    - Arrange and held training courses (program and content) to new maintenance and operational engineer on 220KV GIS switchgear and 6KV switchgear.
    - Closed loop check.
    - Stability test.
    - Control and relay panel scheme checking And red marked/As Built drawing preparation testing of auxiliary relays.
    - Maintenance and troubleshooting of 220KV SWITCH YARD (SIEMENS).
  - Gas Turbine Generator (GE):
    - Maintenance and troubleshooting of MAIN GENERATORS, 2x250MW.
    - Maintenance and troubleshooting of LCI2100, EX2100.
    - Minor & major inspection for power generation & power transformer during outage.
    - Testing and commissioning of 250MW Generator (Rotor, Stator, GTE, LCI compartment, Excitation compartment, AC reactor, DC reactor, PEECC, Auxiliaries, LCI transformer and excitation transformer).
    - Control and relay panel's scheme checking.
    - Maintenance and troubleshooting of IPB & GCB.
    - Maintenance and troubleshooting of power transformers.
  - Steam Turbine Generator (ANSALDO ENERGIA):
    - Maintenance and troubleshooting of MAIN GENERATOR 250MW.
    - Maintenance and troubleshooting of LCI2100, EX2100.

- Minor & major inspection for power generation & power transformer during outage.
- Testing and commissioning of 250MW Generator (Rotor, Stator, Excitation compartment, Auxiliaries, Excitation transformer).
- Marshaling panel scheme checking.
- Arrange and held training courses (program and content) to new maintenance and operational engineer and the new technicians on Steam turbine generator and auxiliaries.
- Medium switchgear & Low Voltage load center (SCHNEIDER ELECTRIC):
  - Testing and commissioning of 6.3KV switchgear (CB, Control center transformer).
  - Testing and commissioning of 400 V MCC.
  - Control and relay panel's scheme checking.
  - Maintenance and troubleshooting of MCC, LC, 6.3KV SWITCHGEAR.
  - Maintenance and troubleshooting of Emergency diesel generator & fire diesel pump.
  - Maintenance and troubleshooting of grounding system & catholic protection system.
- Protection and control testing:
  - Line feeder protection panel's scheme and function check.
  - Transformer protection panel's scheme and function check for 15.75KV and 220KV.
  - AVR panel scheme check.
  - Generator protection panel's scheme and function check (GPP).
  - Bus- Bar protection panel's scheme and function check.
  - CB 6.3KV protection panel's scheme and function check.
  - DC scheme, trip circuit and trip circuit supervision check.
  - Maintenance and troubleshooting of ups & dc system.

**Dates** : From Nov. 2012 till Apr. 2014  
**Employer** : Middle Delta Electricity Production Company  
**Project** : Banha Power Station 750MW Combined Cycle  
**Job title** : Operator Engineer  
**Job Description** :
 

- Supervision of all plant operation.
- Coordination between all maintenance departments.
- Coordination with G.I.S to energize & de-energize of high voltage transmission line from plant switchyard to Network.
- Organizing the training of operators on auxiliaries and local equipment's.
- Prepare of daily trouble shooting for the unit equipment.

**Dates** : From Jan. 2009 till Oct. 2012  
**Employer** : Electricity Holding Company  
**Job title** : Electrical Commissioning Engineer in High Voltage Research Center  
**Job Description** :
 

- Testing transformer (tan delta, partial discharged, winding resistance, insulation resistance, frequency response analyzer).
- Testing mineral oil (breakdown voltage, tan delta).

- Testing cable (tan delta, partial discharged, AC voltage withstand, temperature rise, thermal resistivity of soil).
- Testing circuit breaker (timing of switching, contacts resistance).
- Testing switchgear (AC voltage withstand, temperature rise).
- Testing lighting arrester and Bushing.
- Measuring Soil Resistivity and Earthing Resistance.

**Dates** : From Aug. 2008 till Jan. 2009  
**Employer** : Ceramica Venezia  
**Job title** : Electrical Maintenance Engineer  
**Job Description** : Conduct corrective maintenance of the motors, Controlgear and Switchgear.