

Holds B. Sc. in Electrical Engineering and M. Sc. in Harmonic Elimination in Power Systems. Has over 16 years' experience in the field of Testing, Commissioning and Project Management.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 23/09/1978  
Gender : Male  
Residence : Alexandria

## EDUCATION

- : B. Sc. in Electrical Engineering, Menoufia University, 2006
- : M. Sc. in Harmonic Elimination in Power Systems, Alexandria University, 2012
- : Registering Semi-PhD in (The effect of harmonics on distance Relay in short and medium transmission line model), 2017
- : Registering PhD in (The Optimum Recruitment OF Microgrid in power system network), Alexandria University, 2021
- : Ahmed Ibn Hanbal Secondary School, KSA

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : Autodesk AutoCAD
- : ETAP
- : Matlab (2018b)
- : MS Visio

## TRAINING COURSES AND CERTIFICATIONS

- : Network Training Center - Cairo South (NTC):
  - Instrument Transformers & Power Measurement (P1).
  - Protection Fundamentals (P2).
  - Control Circuits Substation (CCS).
  - Maintenance of power transformer (TR).
  - Distance Protection Relay (P4B).

- BUS-BAR protection system and testing (P16).
- : English:
- TOFEL (grade of license 590) in 2011.
  - IELTS (grade of license 7) in 2021.
- : Autodesk AutoCAD
- : ETAP
- : Matlab (2018b)

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2010 till now
- Employer** : The Egyptian Electricity Transmission Company (EETC) – Ministry of Electricity and Energy (EGYPT)
- Job title** : Protection Engineer / General Consultant Engineer
- Job Description** :
- Routine Tests for:
    - Protective Relays.
    - Voltage & Current Transformers (Sensors).
    - Circuit Breakers, Isolators, control and Cables.
  - Expertise in test equipment (OMICRON / FREJA / SVERKER / PRIMARY / AVO / PROGRAMMA / MEGGER / ISA) (automatic relay testers).
  - Review the performance of contractors to assure contract compliance.
  - Reviewing and interpreting the drawings of the stations in general and the control and prevention to ensure the correct technical implementation level of the work.
  - Ensure that materials used meet specifications and established standards of quality.
  - In addition to technical office works.
  - Reflect the values and the good image of my company at all times.
  - Supervising the implementation of many projects and power stations in various fields and voltages like:
    - Worked in Abu Qir generation station for replacement and renovation of the testing and commission of the transformer's units either pre-operation or step-up type.
    - Worked in Abu Qir generation station for replacement and renovation of the protection relays like (Differential Protection Relays, Over Flux, Under Flux, Over Current, Earth Fault, Over Load, Impedance Protection, and Excitation Protection) of both generation and transformers units either pre-operation or step-up type.
    - Worked in Abu Qir generation station for programming and testing of the protection relays for Kafr El-Zayat 1, Kafr El-Zayat 2 & El-Burullus 500KV.
    - Study and analyze electrical schematics for protection circuits of 11, 66 and 220KV systems.
    - Distance protection relay (MICOM P441) for NOZHA 2 feeder in Karmoz 220KV.
    - Protection Engineer / Coordinator (Testing and Commissioning) and Replacement of main 2 distance protection relay (SIEMENS 7SA82) SIPROTEC 5 and 2 over current and earth fault relay (SIEMENS

7SA8011) SIPROTEC 4 latest version for 2 feeder extension in Semad 66KV substation.

- Carry out the adaptation work for Alexandria East substations to interface with SCADA such as circuit breakers and isolators status and command signals, alarms transfer, and metering.
- Electrical protection relay programming for setting & hardware configuration and faults analysis (ABB (CAP), SIEMENS (SIPROTEC series), and AREVA (Micom S1 & studio) protective relays).
- Senior Protection Engineer for testing protection relays at electrical generation stations, and other Petroleum Companies like MIDOR Company.

**Dates** : From Oct. 2007 till Apr. 2010

**Employer** : The Egyptian Electricity Transmission Company (EETC) – Ministry of Electricity and Energy (EGYPT)

**Job title** : Testing Engineer (contract by project)

**Job Description** : Testing for power transformers, C.B & Electrical equipment (220/66KV & 66/11KV):

- Tan Delta, Winding Resistance, Turns Ratio test, Vector Group test and Megger test.
- Commissioned and tested 220/66/11KV (GIS) substations in Alexandria.
- Ground system test for all substations.
- High Voltage test for both TR. and C.B.
- Oil breakdown, Excitation Current, Fan Motors.