

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 5 years hands-on experience working in installation, testing and commissioning of several electrical equipments.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 15/03/1984  
Gender : Male  
Marital Status : Single  
Residence : Dakahlia

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2006

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD 2D  
: Matlab

## TRAINING COURSES AND CERTIFICATIONS

: At Network Training Center (NTC):

- Instrument transformers and power measurement (P1).
- Protection fundamentals (P2).
- Control Circuits of Substations (CCS).
- Bus Bar differential protection (P4A).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Apr. 2007 till now  
**Employer** : Egyptian Electricity Transmission Company (EETC)

- Projects** :
- SEDI SALEM outdoor 220/66/11KV transmission substation, AREVA: Total 220KV protection and control testing, commissioning and energizing:
    - BBP: MBCZ
    - Distance / A.R.: M1: SEL311C, M2: Micom P442
    - Synch. Check: Micom P143
    - Diff. / O.L. / REF: KBCH
    - B.F.: Micom P122
  - TALKHA GIS power station, MERLIEN GERIEN, Power Transformer Extension (TR3).
  - AL GAMMALEYA GIS transmission substation, ABB (BBC), Power Transformer Extension (TR3):
    - Total construction of 220/66/11KV - 125 MVA Indian power transformer (BAHARAT (BHEL)) marshalling, control, protection and metering panels, annunciators and indications, testing and commissioning.
  - AWLAD HAMMAM GIS transmission substation, AREVA (AEG), Power Transformer Extension (TR3):
    - Total construction of 220/66/11KV - 125 MVA Bulgarian power transformer (HYUNDAI) marshalling, control, protection and metering panels, annunciators and indications, testing and commissioning.
  - AWLAD HAMMAM GIS transmission substation, AREVA (AEG), B.B. Protection re-installation:
    - Total re-installation, primary injection, secondary injection, stability test for 220KV Bus Bar Protection of type SIEMENS 7SS 52.
  - DEKERNISS outdoor transmission substation, SCHNEIDER ELECTRIC, 66KV OHTL line feeder extension:
    - Total construction of 66KV transmission line, marshalling, control, protection and metering panels, annunciators and indications, testing and commissioning.
  - AL-SALAM 2, Al-Matareya, 66KV OHTL line feeder extension:
    - Total construction of 66KV transmission line in the two substations, marshalling, control, protection and metering panels, annunciators and indications, testing and commissioning.

**Job title** : Protection, Testing & Measuring Engineer

- Job Description** :
- Installing, testing and commissioning several electrical protective relays (Distance, A.R. & Synchrocheck, Transformer Differential & R.E.F., B.B. Differential & B.F., O.C. & E/F., O/U. V&F.) for power transformers and transmission lines using testers such as Freja300, Manta, ISA, Omicron and Severker750 for networks up to 220KV.
  - Reviewing and maintaining control circuits for any electrical equipment set up by many manufacturers such as SIEMENS, ABB, AREVA, GE, SCHNEIDER ELECTRIC, etc.).
  - Set the settings to several protective relays using the manufacturers operating programs such as ABB (cap 501, cap 531, cap 540), SIEMENS (Digsig 4.83, Sigras), AREVA (Micom S1), SEL and GE (Enervista launchpad).
  - Doing several tests such as primary injection, secondary injection, power transformer stability test, B.B. differential stability test, R.E.F. stability test, short circuit test, back to back test, winding/oil temperature calibration test and so on.

- Making substation extensions for transmission lines or transformers (ABB, SIEMENS, HYUNDAI, HITACHI, BHARAT (BHEL), ELMACO – protection, metering, control, marshalling, switch gear – GIS, Indoor, Outdoor, etc.) up to 220KV. Drawing its shop drawing and as built drawings using AutoCAD.

**Dates** : From Jul. 2006 till Apr. 2007  
**Employer** : Hideleco  
**Job title** : Electrical Site Engineer  
**Job Description** : Building up electrical power transmission lines up to 220KV - Canal Zone.