

Holds a B. Sc. in Electrical Power & Machines Engineering and a Diploma in protection. Has about 13 years hands-on experience in protection and commissioning at several substations.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 25/06/1975  
Gender : Male  
Marital Status : Married  
Residence : Ismalia

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Suez Canal University, 1998  
: Diploma in protection, Cairo University, 2005

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: Micom s1  
: Digese 4.8  
: Cap 501, Cap 540, Cap 505

## TRAINING COURSES AND CERTIFICATIONS

: Maintenance of power transformers.  
: Maintenance of battery & chargers.  
: Operation of power systems.  
: The basic for protection.  
: The power factor correction.  
: Intensive language course.  
: Advanced language course.  
: Office automation.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2010 till now  
**Employer** : Electric Canal Zone  
**Job title** : Protection Engineer

**Dates** : From Apr. 2010 till Jun. 2010  
**Employer** : Pamco Company – KSA  
**Project** : Qassem substation  
**Job title** : Commissioning Engineer

**Dates** : From Jan. 2009 till Apr. 2010  
**Employer** : Electric Canal Zone  
**Job title** : Protection Engineer

**Dates** : From Jul. 2008 till Jan. 2009  
**Employer** : Petrofac Company  
**Project** : Substation of the project of salam gas  
**Job title** : Commissioning Engineer

**Dates** : From Feb. 2007 till Jul. 2008  
**Employer** : Electric Canal Zone  
**Job title** : Protection Engineer

**Dates** : From Oct. 2006 till Feb. 2007  
**Employer** : Areva Company  
**Projects** :

- Ber Elasta Melad 400KV substation (Libya)
- Zawia 400KV substation (Libya)

**Job title** : Commissioning Engineer

**Dates** : From 1998 till Oct. 2006  
**Employer** : Electric Canal Zone  
**Job title** : Protection Engineer

**Field of experience** :

- Testing protection relays (P122, P442, P437, P632, P743, P543, TABCON, REL316, REL511, REM, REF542, SIPROTEC RELAYS).
- Testing & commissioning of HV & MV substation equipment.
- Install distribution feeders.
- Install current, voltage power transformers.
- Program and calibration all kind of power meters (AINRT, ZMD, ZMC, EKM, QUNTAM, SL7000).
- Use Power Quality Instrument for measuring (harmonics, sag, swell, and disturbance).
- Measuring the transmission line parameters ( $K_0$ ,  $\phi_0$ ).
- Testing the DC battery (internal resistance, voltage).

- Testing the circuit breakers timing (on/off).
- Testing the oil & winding temperature meter.
- Use the tester for testing the protection relays and the power transformer such as omicron CMC256-6, CPC100, SVERKER160).