

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 13 years hands-on experience working as Protection Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 28/01/1979  
Gender : Male  
Marital Status : Married  
Residence : Menoufia

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Menoufia University, 2002

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Visual Basic  
: Various Video and Multimedia Programs

## TRAINING COURSES AND CERTIFICATIONS

: At Network Training Center (Ministry of Electricity):

- Instrument Devices & Power Measurement (P1).
- Substation Feeder Protection (P4c).

: AREVA training in France for relay commissioning and testing (from Nov./Dec. 2010).  
: Training during the faculty: subway.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Sep. 2017 till Dec. 2017  
**Employer** : Schneider Company  
**Project** : Zohr Project (Oil & Gas)

- Job title** : Electrical Commissioning Engineer
- Job Description** :
- Pre-commissioning and commissioning for (MV) switch gear.
  - Pre-commissioning and commissioning for (LV) switch board.
  - Testing and programmable for sepam relays (series 20, 40, 80).
- Dates** : From Jan. 2017 till Jul. 2017
- Employer** : Schneider Company
- Job Description** : Substation testing and commissioning:
- Tabouk-8 Substation 132/13.8KV: Commissioning activities:
    - Local control, Remote control, General Alarm and Protection panels.
    - Protection Relays testing:
      - SEL-411L (line current differential, distance, and directional protection with complete control for a two-breaker bay, Binary I/O, indication LEDs).
      - Schneider MiCOM P546 (differential protection C\C's, Binary I/O, indication LEDs).
      - Schneider MiCOM P643 (transformer differential protection, Restricted Earth fault, Binary I/O, indication LEDs).
      - Schneider MiCOM P142 (Feeder Management Relay).
    - CT & VT loop check.
    - Transformer & bus-bar diff protection secondary stability test.
    - MiCOM C264 I/O module loop check.
  - EI-Rawaby Substation 110/13.8KV: Protection and control schemes check.
  - EI-Waha Substation 380/110/13.8KV: substation Equipment checks.
- Dates** : From Oct. 2016 till Jan. 2017
- Employer** : SIEMENS Company, supplied by INP Germany Co.
- Project** : Beni Suef Project 4800MW (4 x SCC5-8000H 2x1) for the first stage (simple cycle only)
- Job title** : Electrical Commissioning Engineer
- Job Description** :
- Pre-commissioning and field inspection for all electrical equipment.
  - Commissioning and start-up for all electrical equipment in power plant:
    - Make the function tests for the generation SIEMENS protection devices such as: Generator multi functions (7UM622, 7UM621), transformers functions (7UT633), LV/MV/DC switchgears and LV transformers including protection circuits and interlocks, Batteries and feeders.
    - Inspection of LV/MV/DC systems for completeness and sufficient cleanliness during Turn-over package handover process.
    - Make the electrical tests for HV transformers and SIEMENS dry transformers (for 11KV medium voltage, for SFC & SEE system and for low voltage switchgear).
    - Make the interface signals tests, function tests, interlocks scheme tests between (HV main transformers, protection panels, HV switchgear).
- Dates** : From May 2005 till now
- Employer** : EETC (Egyptian Electricity Transmission Co.)

**Project** : Central Sector for Protection, Measurement and Testing  
**Job title** : Protection Engineer  
**Job Description** :

- Member of programming commission in EETC, Different protection relays programming and setting according to the Egyptian network parameters:
  - Areva: Micom P441, P442, P443, P444, P435, P437, P543, P546, P643, P142, P122, P126, P127, P111.
  - ABB: SPAD340c, SPAF140c, SPAJ 340c, REJ525, RET541, REL670, RET670.
  - Siemens: 7SA511, 7SA513, 7SA522, 7SA611, 7SA612, 7UT612, 7UT512, 7SJ6005, 7VK512, 7rw6000.
  - GE: Miff 2, D60, D90+, L90, L30.
  - SEL: SEL411L, SEL451.
- Using different relay set testers, Different protection relay testers include but not limited to: OMICRON CMC256 & CMC356 – Freja300 & 306 – Sverker780 & 900 – ISA DRTS3.
- Participating as a member of setting calculations operation group in EETC.

**Dates** : From Oct. 2011 till Jan. 2012  
**Employer** : ThyssenKrupp Xervon Company in KSA  
**Project** : Yanbu 10J s/s (SPW146) 380/115/33.5/13.8KV (substation testing and commissioning)  
**Job Description** :

- CT analyzer test (CT ratio, % error, magnetization curve, Knee point).
- CT winding insulation test (Megger).
- CB and DS function test.
- Contact Resistance test.
- Timing Test of Circuit breakers.
- Motor winding High voltage test.

**Dates** : From Dec. 2008 till Mar. 2009  
**Employer** : Al-Babtain Company in KSA  
**Project** : Riyadh in 8147 s/s 132/13.8KV (substation testing and commissioning)

**Dates** : From Jan. 2005 till May 2005  
**Employer** : ICF Company  
**Job title** : Protection Engineer

**Dates** : From Jul. 2004 till Jan. 2005  
**Employer** : Grand Air Co.  
**Job title** : Protection Engineer

**Field of experience** :

- HV & MV SWG testing and commissioning.
- Very good Power system protection knowledge.
- Protection relay software: Areva (micom S1 ver. 2.14, micom S1 studio, micom S1 Agile), ABB (cap540, cap501, pcm600), Siemens (digi 4.9), GE (Enervista), SEL (AcSELeRator).