

Holds a B. Sc. in Electrical Power Engineering and has about 9 years hands-on experience doing protection and control works in Power Stations and Substations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/12/1977
Gender : Male
Marital Status : Married
Residence : Kafr Elzayat, El-Garbia

EDUCATION

: B. Sc. in Electrical Power Engineering, Tanta University, 2000

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Current and voltage transformer maintenance and test at North Cairo Training Center.
: Measuring and power system at South Cairo Training Center.
: Generator Protection and Excitation System at Alstom Training Center Mannheim, Germany.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2007 till now
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Power Station 3x750MW:
This power station started from year 2003 and consists of 4 CTGs (SIEMENS) and 2 STGs (MITSUBISHI) with total power of 1500MW, in addition to the extension 2 CTGs (GE) and 1 STG (ALSTOM), 750MW which will complete the total power of the station to be 2250MW. This power station consist of:

- 500KV switch yard (HITACHI).

- 500KV switch yard (AREVA).
 - 220KV switch yard (ABB).
 - Two 500KV OHTL.
 - Eight 220KV OHTL.
 - Four tie transformers 500/220/12KV.
- Job title** : Protection Relay & Control Engineer
- Job Description** : Performing protection and control works in the stations and substations.
- We have in the Protection section the Modern digital and numerical relays protection such as:
 - ABB relays (REL316x4, REL531 and REB500) for 220KV OHTL.
 - SIEMENS relays (7UM62 SIPROTIC) for CTG generators.
 - Micom family relays (P741-P742, P437-P442-P126-LFAA, P632-P141 and P143 for 500KV BUSBAR, OHTL and tie transformers 500/220/12KV).
 - GE Multilin relays (UR family T35-T60, MIFII, MTV and DTP) for CTG main and aux. transformer.
 - BECKWITH ELECTRIC relays (M-3425A, M-3310) for Mitsubishi (STG) Generator and Excitation Transformer.
 - For 6.3KV distributions, we have Sepam I000 and Sepam I00LD, Schneider deliveries and ABB products REJ523 (OC, SC, EF...J and REU525 (UV, OV, etc.).
 - Participating in studying, analyzing, test and make specification for electrical components.
 - 500KV switchyard control center.
 - 220KV switchyard control center.
 - 6.3KV switchgear panels.
 - All tests on power transformers, CTs, VTs, CBs and bus bar in (500KV, 220KV, 16.5KV and 6KV) such as:
 - Tie, auxiliaries and main transformers commissioning tests [Tan Δ test, insulation (MEGGER) test, DC resistance.
 - Transformers mechanical protection relays tests (Buchhlez relay, pressure relief device, rapid pressure device.
 - CBs tests (timing, DC resistance, high voltage test for 500KV CBs and Megger test).
 - CTs tests (turns ratio, magnetizing test, polarity test).
 - VTs tests (turns ratio, insulation (Megger) test).
 - Disconnecting switches tests (timing and contact resistance test).
 - We have in our protection department measuring and injection testers with high tech. such as ISA DRTS, OMICRON cmc356 and Manta Corporation. And another primary injection sets.
- Dates** : From Apr. 2002 till Jun. 2007
- Employer** : West Delta Electricity Production Company (WDEPC)
- Project** : Kafr El Dawar Power Station 4x110MW
- Job title** : Steam Power Station Operating Engineer
- Job Description** : Carrying out factory electrical maintenance.

Relays Software Application Skills:

- CAP (for ABB product).
- MICOM S1 (for AREVA T&D products).
- EnerVista (for GE MULTILIN products).

- IPSCOM (for BECKWITH ELECTRIC products).
- SFT2841 (for Schneider products).
- DEGSI 4 (for SIEMENS products).