

103626-ELE-2PSTyz-E-2003
Protection & Commissioning & Testing Engineer

Holds a B. Sc. in Electrical Power Engineering and has over 20 years' experience working as Protection & Commissioning & Testing Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/11/1979
Gender : Male
Marital Status : Married
Residence : Qalubia

EDUCATION

: B. Sc. in Electrical Power Engineering, Menoufia University, 2003

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Micom Software for Areva protection relays
: Micom Software for ALSTOM protection relays
: Micom Software for Schneider protection relays
: DIGSI Software for Siemens protection relays
: Cap505 Software for ABB protection relays
: PCM Software for ABB protection relays
: EnerVesta Software for GE protection relays
: PCS Software for NR protection relays

TRAINING COURSES AND CERTIFICATIONS

: At Ministry of Electricity – Network Training Center:

- Instrument Devices & Power Measurement (P1).
- Protection Fundamental (P2).
- Instrument transformers (C.T and V.T) and power measurements.
- Control Circuits of substations (CCS).

: Summer training in EGEMAC in technical cooperation with Siemens and AGE Aktiengesellschaft (Jul./Aug. 2001).

: Went to Germany to have training in Siemens Company.

: International Computer Driving License (ICDL) (Aug. 2009).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2005 till now
- Employer** : Egyptian Electricity Transmission Company (EETC), Central Sector for Protection, Measurement and Testing
- Job title** : Protection & Commissioning & Testing Engineer
- Job Description** :
- Member of programming commission in (EETC), which makes accurate programming specifications and selects the suitable setting for protection relays in the Egyptian Network.
 - Analysis of disturbance & event recorder.
 - Under frequency relays periodic testing.
 - Commissioning and testing for some substations.
 - Measuring of cables and overhead transmission line parameters all over the Egyptian network with tester (omicron CPC100) and applying C.T. electrical tests (polarity, ratio, saturation, DC resistance) by omicron cpc100 and V.T test.
 - Member of operation group for setting calculations in EETC.
- Further experiences** :
- Worked in the company's German (IPS - Intelligent Process Solutions) for Saudi Arabia (2 months).
 - Work in most of the power stations connected to the network Egyptian Electricity Transmission.
 - Been installed and commissioning and testing fault recorder devices type (REASON - GE) in High Dam.
 - Worked with GS (Mostorod Project) for 3 months.
 - Worked with Schneider (Zohr Project) for 3 months.
 - Worked in the project of the Egypt – Sudan interconnection line 220KV.
 - Worked on the receiving system (substation automation system) with most of the companies such as SIEMENS, GE, ABB, Schneider.
 - Worked as a Trainer with the National Energy Control Center Training Team and explained protection devices and power system to students of the College of Engineering.
 - Worked as a Trainer with the training team in the Central Sector for Protection, Measurement and Testing to explain protection to a team of Engineers from Sudan.
 - Worked in Consolidated Consultancy Group (CCG):
 - Naga Hammadi substation 500KV (GIS):
 - ❖ Scheme check for 500KV switchgear.
 - ❖ Current circuit check for measuring, protection and busbar.
 - El-Maasara substation 66KV (GIS):
 - ❖ Scheme check for 66KV switchgear.
 - ❖ Testing of 66KV current transformers and voltage transformer using CT analyzer (Omicron) and using CBC100 (Omicron).
- Field of experience** :
- Experience including installation, commissioning and testing with the following protection relays:
 - Siemens (7SA511 – 7SA522 – 7SA 610 - 611, 7UT 612 – 7UT 613 – 7SS 522 – 7RW600 – SIMEAS R-PMU – SIMES R-PQ – 7UT82

- 7SA8).
- ABB (SPAF140C – REF 542+ - REU 615 – REF 611 – RET 630 – RET 650 – REL 650 – REB500).
- Areva (MICOM P442, P441, P143, P122, P123, P126, P127, P435).
- Schneider (Micom P632 – P132 – P122 – P127 – P143 – P444 – P545 – P643 – P3F3).
- ALSTOM (Micom P443 - P442 - P14N - P14D - P545, P843).
- GE (mivII - Multilin350 - Motor 469 – D60 – D90 – T90).
- NR (PCS-978, PCS-902, PCS-931, PCS-921, PCS-915C, PCS-9611).
- ARCTEQ (AQ F215 – AQ F350 – AQ L357).
- BUSBAR TYPE (MBCZ10 – R23 – RADSS – Schneider 741).
- Hathaway: IDM (fault recorder).
- Siemens: SICAM PQ Analyzer (fault recorder).
- Testing most of the protective Relays in the Egyptian Electrical Network such as: Distance, over current, earth fault, differential protection of transformer, restricted E.F., breaker failure, line differential, synchro-check, auto reclosure, load shedding.
- Familiar with all software for most protective relays:
 - ALSTOM: micom s1 agile.
 - Schneider micom s1 studio.
 - ABB: cap540, PCM 600.
 - Siemens: digsi 4.83.
 - Hathaway: Replay plus 1742.
 - Siemens: oscop pv6.6.
- Ability for analysis disturbance & event recorder.
- Ability of testing the protective relays by the famous testers such as OMICRON Test Universe (omicon 256, 356) and (CPC 100) FREJA (300, 306, 406) and (MANTA) (Severker780) (KINGSINE) Testers.