

100083-ELE-PT-E-1994
Testing & Protection Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 17 years hands-on experience in HV and LV projects in Egypt, Emirates and KSA.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1970

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Menoufia University, 1994

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Competent Certificate, Health Safety & Environment in ADDC has approved me a testing of electrical equipments.
- : Course over the tester ISA automatic in Al-Ain Hilton in course with the company products.
- : High Voltage Line protection (P5) course at Network Center, Jan./Feb. 2001.
- : Calibration of energy meters course at Energy efficiency improvement and greenhouse gas reduction project in Egypt, Apr./May 2000.
- : The substation protection (P4) course at Network Center, Sep./Oct. 1998.
- : Reading control circuit diagrams (CCS) course at Network Center, May/Jun. 1998.
- : The protection fundamental (P2) course at Network Center, Mar./Apr. 1998.
- : Instrument transformers and power measurement (P1) course at Network Center, Feb./Mar. 1998.
- : On Load tap changer (OLTC) course at Network Center, Oct. 1997.
- : Fire prevention systems course at Network Center, Mar./Apr. 1997.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2006 till now
- Employer** : HYUNDAI (MEEDCO) – KSA
- Projects** :
 - KHURSANIYAH 380/115KV project
 - KHURAIIS 380/115KV project(supplied by TOSHIBA in 380KV and HYUNDAI in 115KV)
- Job title** : Testing & Protection Engineer
- Job Description** :
 - Pre-commissioning test for over head line distance protection relays as Siemens relay type 7SA522, ABB relays type REL 531.
 - Pre-commissioning test for over head line directional earth fault relays.
 - Pre-commissioning test for OHL tele-protection schemes end to end test for distance protection and directional earth fault relay.
 - Commissioning of OHL with load check and distance relay & directional earth fault relay directional check.
 - Pre-commissioning of OHL relay & control panel scheme function check.
 - Pre-commissioning test for 132KV & 33KV underground cables protection relays as SOLKER.
 - Pre-commissioning test for power transformer differential protection relays as RADSB, RET, DIOBIAS.
 - Pre-commissioning test for power transformer diff. relay stability and sensitivity test.
 - Pre-commissioning of power transformer R.E.F. relay stability and sensitivity test.
 - Pre-commissioning of power transformer relay and control panel scheme function check.
 - Pre-commissioning of automatic voltage regulator relays as MR, SPAU341C.
 - Pre-commissioning of automatic voltage regulator control panel scheme function test.
 - Pre-commissioning test for Bus bar protection relays as MFAC34, RADHD, REB500, 7SS522.
 - Pre-commissioning test for Bus bar protection & CBF schemes function test.
 - Pre-commissioning test for Bus bar protection stability and sensitivity test.
 - Pre-commissioning test for under frequency relays.
 - Pre-commissioning test for under frequency relay scheme function test.
 - Pre-commissioning test for different types of over current relays.
 - Commissioning of new substations 380/115/13.8KV (S/S Abu Hadriyah), 380/115/13.8KV (S/S Khurais BSP) and commissioning modified in Qurayah SW 230KV, Shedgum 380KV, Qurayah 380KV, Ghunan 380KV, Abqaiq 230KV (Saudi Electricity Company, East Region Branch).
 - Pre-commissioning test for 13.8KV Switchgear test as following:
 - 13.8KV Switchgear function check.
 - All CT tests.
 - Protection relays tests.
 - Pre-commissioning test of 13.8KV Switchgear automatic change over scheme.

- Pre-commissioning test for 115KV GIS as following:
 - Scheme Function check.
 - Operation and interlock circuit check.
 - All current transformer tests.

Dates : From Sep. 2004 till Sep. 2006
Employer : Ghantoot Company in Emirates
Project : Project no. A1800 in Al Ain
 (This project is package units 33/11KV, the project contains two lots, lot 1 delivered package units and relocate the transformers and lot 2 delivered the package units and the transformers.)
Job title : Testing & Protection Engineer
Job Description : All relays used from VATECH Reyrolle Company, over current, earth fault, broken conductor is Argus1 and Delta111, Duobias for differential, restricted earth fault and omega used in distance protection and PILOT WIRE PROTECTION SOLKOR R/RF for cable feeders and share working in Al Batten S/S 132KV/11KV in ABU Dhabi as rental to ABB T&D for testing bus bar and other relay like REL531 and synch-check.

Dates : From Sep. 1998 till Sep. 2004
Project : Tanta substation 220/66/11KV
Job Description :

- Rehabilitation of Tanta substation 220/66/11KV gas insulation system, switchgear of 220KV delivered by Schneider Group (Merlin Gerin) and switchgear 66KV delivered by ABB Calor Emage AG Germany.
- Shared in supervising the project and handing over from foreign contractors.
- Commissioning with the contractors.
- The protection scheme is design and delivered from Schneider Company sharing with ABB Company.
- The protection relays is static and digital like SEL321, distance relay of Merlin Gerin, Micro mho for GEC Alstom and REL series of ABB as distance relays and the bus bar protection relays are MBCZ of GEC Alstom and INX5 of ABB, the differential relay DTN of ABB and K-series of GEC Alstom.
- Using several kinds of testing equipments related to IEC standards like Svereker 760, ISA (Italian testing equipment), Manta, Freja automatic tester and all programma testing equipments and familiar with designed scheme for extension of medium voltage and high voltage bus bars with compatible equipments, fire fighting systems, heating ventilation air condition (HVAC), extra height voltage cable and termination (G&W, Elatimold of USA).

Dates : From Nov. 1996 till Sep. 1998
Employer : Ministry of Electricity and Energy, Egyptian Electricity Authority
Projects :

- Heliopolis substation 220/66/11KV
- Cairo North substation 220/66/11KV

 (Gas insulation system, delivered by ABB)
Job title : Protection Engineer for testing and commission the relays and problems occurred in the network

- Job Description** :
 - Testing several kinds of relays static and digital types.
 - Using relay is directional over current types as K-series of GEC Alstom and Spaj of ABB, the differential used is DTN, RADSS and SPAD of ABB, the distance relay used is REL of ABB and Micro mho of GEC Alstom.
 - Dealing with programmed testing equipments.
- Dates** : From 1994 till Oct. 1996
- Employer** : An agent of Egyptian Electricity Authority
(providing them with all systems)
- Job title** : Maintenance & Protection Engineer for the a/m period
- Job Description** : Working in a company in the field of several kinds of systems using high techniques like computerizing systems.