

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 14 years hands-on experience in testing and protection at substations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/02/1973
Gender : Male

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 1997

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training courses at Cairo South Training Center:
- Instrument Transformer and Power Measurement.
 - Protection Fundamental.
 - Transformer Protection.
 - Feeder Protection.
 - Busbar Protection.
 - Digital Protection Fundamental.
 - Event Recorder (IDEM3).
 - Energy Meter ABB Ain Alpha.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2007 till now
Employer : EETC
Job title : Protection & Testing Engineer

- Job Description** : • Apply the final and new setting for the protection relays.
• Perform the modifications for the protection relays.
- Dates** : From Feb. 2006 till Sep. 2007
- Employer** : ALFANAR Co. ATS – KSA
- Job title** : Protection & Testing Engineer
- Job Description** : • Testing and commissioning of HV and MV S/S control, protection schemes and switchyard equipments.
• Supervision and coordination of commissioning activities.
- Dates** : From 1997 till Feb. 2006
- Employer** : EETC
- Job title** : Protection & Testing Engineer
- Job Description** : • Apply the final and new setting for the protection relays.
• Perform the modifications for the protection relays.
- Field of experience** : • Testing different types of GIS & SWGR:
- Breaker testing: timing, insulation, contact resistance.
- Busbar testing: insulation, contact resistance.
- Disconnecter switch: timing, contact resistance.
- CT: insulation, magnetizing, ratio, resistance, CT Loop, CT Berden.
- VT: insulation, ratio, resistance, annicator system interlock test, scheme & function test.
- Testing of 132/13.8KV relay & control:
- Testing of main relays:
▪ Transformer differential.
▪ Busbar.
▪ Over current.
▪ CBF protection relays.
▪ Synchro checks.
▪ AVR.
▪ UF relays.
▪ Primary injection.
▪ Busbar stability & sensitivity.
▪ Transformer & REF stability & sensitivity.
▪ Scheme & function test.
- Familiar with all types of automatic tests:
- FREJA 300.
- SEVERKER 750, 760.
- CPC 100.
- MEGGER AVO.
- Breaker contact resistance.
- Phase angle meter.
- Breaker timing analyzer.
- Primary injection OMICRON.
- Major Projects in Egypt:
- Sharbeen S/S 66/11KV
- Meet Ghamr S/S 66/11KV
- Mansoura 1 S/S 66/11KV
- Talkha S/S 66/11KV

- Senbla Wen 1 S/S 66/11KV
- Senbla Wen 2 S/S 66/11KV
- Aga S/S 66/11KV
- Mansoura 2 S/S 66/11KV
- Mansoura 3 S/S 66/11KV
- Ghzl Meet Ghamr S/S
- Suez 2 S/S 220/66/11KV
- Suez Gulf S/S 66/11KV
- Suez North S/S 66/11KV
- Suez South S/S 66/11KV
- Suez S/S 500/220/11KV
- Suez Cement S/S 220/66/11KV
- Soukhna S/S 220/11KV
- El-Eqtsadya S/S 220/66/11KV
- El-Masria Cement S/S 220/11KV
- Responsibilities:
 - Testing of new protection relays.
 - Testing of SWGR, CT, VT, timing contact resistance, protection relays, metering & auxiliary relays.
 - Testing of ACDB, DCDB.
 - Testing of the scheme & function.
 - Primary injection.
 - Perform the modification for the protection panels.
- Major Projects in KSA:
 - ARAMCO K-Series upgrade (Damman Abqiq):
 - Replace PSU for K-Series relays.
 - Replace K-Series relays.
 - Programming & testing new relays.
 - Dammam Industry #2 (Dammam):
 - Testing of new transformer protection relays.
 - Testing of SWGR, CT, VT, timing contract resistance, protection relays, metering & auxiliary relays.
 - Testing of ACDB, DCDB.
 - Testing of the scheme & function.
 - Primary injection.
 - New Skaka S/S (Skaka):
 - Testing of new protection relays.
 - Testing of 33/13.8KV SWGR, CT, VT, timing contract resistance, protection relays, metering & auxiliary relays.
 - Testing of the scheme & function.
 - Tabouk Bulk Plant (Tabouk):
 - Testing of SWGR, CT, VT, timing contract resistance, protection relays, metering & auxiliary relays.
 - CT, VT testing.
 - Najran Power Plant (Najran):
 - Testing of SWGR, CT, VT, timing contract resistance, protection relays, metering & auxiliary relays.
 - CT, VT testing.
 - Tabouk Power Plant (Tabouk):
 - Testing of SWGR, CT, VT, timing contract resistance, protection relays, metering & auxiliary relays.
 - CT, VT testing.

- Bani Malik 110/13.8KV (Jeddah):
 - End to End testing for pilot protection.
 - Function test for 132KV GIS SWGR protection panels.
 - SCADA close loop tests.