

Holds a B. Sc. in Electrical Power & Machines Engineering and a High graduate degree in protection and has over 24 years hands-on experience in commissioning and testing field. Ability to join different fields of engineering work including engineering design, laboratory testing, projects supervision (design, installation and start-up), quality control, production engineering, etc.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/09/1962
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University
: High graduate degree in protection, Ain Shams University

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

: Training course on Indicted Fault Recorder at ABB – Egypt.
: Training course on IDM Fault Recorder at Hathaway – England.
: Training course on Protection CAPE at PP&L – USA.
: Training course on Database Management and Fault Analysis (Operation, Measurements, Protection) at PP&L – USA.
: Training course on Graduate Engineering at EEA – Egypt.
: Training course on Power System operation.
: Training course on instrument transformers & power measurement at EEA – Egypt.
: Training course on protection fundamentals (Testing VT & CT & short circuit calculations) at EEA – Egypt.
: Training course on protective relay testing at EEA – Egypt.
: Training course on Distance Relays at EEA – Egypt.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2010 till now
Employer : Central Sector of protection, testing and measurements (Egypt)
Job title : Executive Manager in fault recorder department

Dates : From May 2006 till Apr. 2010
Employer : Al Fanar Company (KSA)
Projects :

- Shuqaiq Power Plant, GEDDAH-KANDARAH S/S, NAMERAH S/S in Distance and Differential Relay Type RED670 (ABB), 7SD522 (SIEMENS)
- HOFUF (H.I.E.) in Distance relay, Differential Relay, over current and Automatic voltage Regulator (AVR)
- Najran Region, Gizan Region, Abha Region in Replacement of Distance relay and over current 132KV S/S (REL670 (ABB), 7SA522 (SIEMENS)): Working in commissioning Fault Recorder (IDM) and Event Recorder (SER) in Al Brik-Confoza-Duka
- Working in Commissioning Fault Recorder (IDM) and Event Recorder (SER) in following substations: Al Brik s/s – Confoza s/s – Dukas/s – Tohama power plant – 8060 s/s – 8059 s/s – 8051s/s – Ghornata s/s – 8019 s/s – 8014 s/s – 8025 s/s – 8057 s/s – 8059 s/s – 9009 s/s – 9003s/s – Almadina s/s – Dawadmi s/s
- Rabigh Power Plant (Mitsubishi) in sites FMS for 110KV S/S - FMS for Desalination Plant - FMS for 13.8KV SWG - 4.16KV SWG - FMS 480V Boiler SWG – 480V cooling tower - transformer generator control room – 480V workshop/workhouse)
- New Tabrgil S/S 33KV substation (SEC-EOA), Tohama Power Plant Ext. III (SEC-WOA), 9006 substation 380/132KV and 8606 Aramco substation 132KV (SEC-COA)

Job title : Commissioning & Testing Engineer

Dates : From Mar. 1993 till May 2006
Employer : EEA
Job title : Protection Engineer
Job Description : Working at central sector of protection, testing and measurements.

Field of experience :

- Current & Voltage Transformers:
Can measure and test the following:
 - CT Ratio Test (by using CPC100 or Primary Current injection test system: ODEN).
 - VT Ratio Test (by using CPC100 or step up transformer MAGNUS).
 - CT & VT Polarity Test (by using inductive kick method).
 - CT Magnetization (Saturation) Curve Test (by using CPC100 & MAGNUS).
 - CT & VT Winding Insulation Test (by using Megger).
 - CT & VT Winding Resistance Test (by using drop of potential method).

- Protective Relays Testing:
 - Can test and measure the following:
 - Distance Test (Siemens, ABB).
 - Differential Test (Siemens, ABB).
 - Fault Recorder Test (Hathaway).
 - By making secondary injection (using Fraja 300 or OMICRON type: CMC 256-6) I can test the following:
 - Function test of distance relays.
 - Timing test for every stage.
 - Over Current & Earth Fault protection relays.
 - Directional O.C. & directional Earth fault protection relays.
 - Restricted E.F. protection relays.
 - Differential protection relays.
 - Synchro check relays.
 - AVR relays.
 - Auto recloser relays.
 - CBF relays & CT Supervision relays.
 - Over (or Under) Frequency protection relays.
 - Over temperature protection relays.
 - Gas protection relays as: Buchholz.
 - By making secondary injection (using Fraja 300 or SVERKER 750) I can test the following for all relays:
 - Pick up test, Drop out test, Timing test & Output contact check.
- Other testing at new substations:
 - Testing all types of auxiliary relays and timers.
 - Primary injection of CT and follow the current in all secondary circuit.
 - Secondary injection of relays (Distance, Differential, O.C., E.F., etc.).
 - Secondary injection of CT & VT Loop.
 - Check scheme as Control circuit, Alarm circuit, all wiring.
 - Stability of Transformer (Short circuit test).
 - GIS Tests (gas leakage and due point).
 - Final Trip Tests, End to End Test & Closed Loop Test.
 - Metering Devices testing (Ammeter, Voltmeter, KW, KVAR, KWH & KVARH).
 - Functional check for:
 - Relay, Control, LCC and AVC Panels.
 - Buchholz relay for main tank & OLTC (On load tap changer) by hand operation.
 - Check of Oil & winding Temperature's indicators.
 - Check of indication of Oil level for main tank & OLTC.
 - Operation Test of cooler (check of the rotation, smoothly running).
 - Operation Test of OLTC (steps up & step down).