

Holds a B. Sc. in Electronics & Control Engineering and has about 9 years hands-on experience in testing and protection of different substations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/06/1978
Gender : Male
Marital Status : Married
Residence : El-Gharbia

EDUCATION

: B. Sc. in Electronics & Control Engineering, Menoufia University, 2002

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet
: Primavera
: AutoCAD
: Web Design (HTML)

TRAINING COURSES AND CERTIFICATIONS

: IT Engineer – Software Engineering course and Networking for one year training at Ministry of Communication and Fujitsu Siemens Co.
: Courses from Knowledge Pool, UK University.
: Training on the construction, maintenance and software problems of SCADA, PLC systems.
: Tender evaluation (National/International), from Feb. till Jun. 2006.
: Preparation of technical specification, from Aug. till Nov. 2006.
: Project implementation Planning (Primavera), from Feb. till May 2007.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2008 till now
- Employer** : Hyundai – MEEDCO (KSA)
- Job title** : Testing & Protection Engineer
- Job Description** :
- Construction, maintenance and operation of new electrical substation (high, medium, low).
 - Protection side:
 - Scheme check of:
 - Set -1 protection panel.
 - Set -2 back up protection.
 - Auto Reclose Scheme Check.
 - Manual synchro check panel.
 - Breaker fail panel.
 - Annunciation panel all points from source panel.
 - SOE, SCADA panel all points from source panel.
 - Main relay testing:
 - Manual synchro check kavs 100 (acceptance-final).
 - Breaker fail (acceptance-final).
 - CT TEST (current transformer):
 - Insulation Resistance.
 - Ratio.
 - Polarity.
 - Magnetization curve.
 - VT TEST (voltage transformer):
 - Insulation Resistance.
 - Ratio.
 - Polarity.
 - CT Circuit, VT Circuit Test.
 - Closing circuit test.
 - Trip circuit test.
 - As built drawing for our substation with sec operation of Lcc panel and interlock for breakers and disconnecter, earth switch.
 - Low Voltage 13.8KV Scheme Check – AC DC Panel Scheme Check & Interlock.
 - Power Service side:
 - Installation and testing of all types of power transformer.
 - High Voltage Power Transformer, Auto Transformer:
 - 380KV-230KV, AREVA, OFAF, 750MVA.
 - 380KV-115KV, HYUNDAI, ONAF, 500MVA.
 - Insulation Resistance (Megger).
 - Ratio Test (TTR).
 - Vector group.
 - Winding Resistance.
 - Impedance (Short circuit).
 - Power Factor, Excitation current, Capacitance.
 - Gauge calibration (secondary injection).
 - Oil Temperature Gauge calibration.
 - Pushing capacitance.
 - Fan, pump, Buchholz relay, pressure relief device, etc. and all auxiliary devices operation.

- Tape changer local operation, remote operation from RTCC.
- Grounding Transformer:
 - Insulation Resistance (Megger).
 - Winding Resistance.
 - Oil Temperature Gauge calibration.
- Low Voltage Transformer, Station service (13.8KV-380V):
 - Insulation Resistance (Megger).
 - Ratio Test (TTR).
 - Vector group.
 - Winding Resistance.
 - Impedance (Short circuit).
 - Power Factor, Excitation current, Capacitance.
 - Back energization.
- Dry type Voltage Transformer:
 - Insulation Resistance (Megger).
 - Ratio Test (TTR).
 - Vector group.
 - Winding Resistance.
 - Impedance (Short circuit).
 - Power Factor, Excitation current, Capacitance.
 - Back energize.
- CCVT TEST (Capacitive voltage transformer):
 - Insulation Resistance.
 - Ratio.
 - Polarity.
 - Phase angle.
- SURG arrestor:
 - Megger.
 - Capacitance tan delta.
- Testing & commissioning activities of Khurais 380/115KV BSP and Remote End substations for Saudi Electricity Company.
- 230/115 Khurais S/S, KSA.
- 115KV Khurais RIC S/S, ABU JIFAN, MAZALIJ S/S, ESP-3 S/S.
- 115KV GHUNAN S/S KSA.
- 115KV SHDGUM S/S KSA.
- Testing & commissioning activities of JUBAIL -2 380/230KV BSP.
- Test Kit handled:
 - Primary injection kit (ODEN AT).
 - Numerical test kit PROGRAMMA FREJA 300.
 - OMICRON, CPC 100, CT Analyzer.
 - Single-phase secondary injection kit and high pot kit.
 - Sverker, B10, Magnus and Megger.
 - CT Analyzer Numerical test kit.
- Responsibilities:
 - Complete testing of CT's & VT's including GIS substations.
 - CT Primary & Secondary Injection test.
 - Testing & Calibration of Energy Meters.
 - GIS Function check.

- Dates** : From Jan. 2003 till Jun. 2008
- Employer** : Water Resource and Irrigation Ministry - Control SCADA electrical dept.
- Project** : Operation and maintenance of small electrical substation in Egypt
- Job Description** :
- Construction supervision (Project Implementation Planning (Primavera)).
 - Tender evaluation (National/International).
 - Maintenance Computer Engineer (Hardware & Software & printers), Primavera.
 - Preparation of technical specification of electrical equipment and induction motor.
 - Modern Control Technique (Power electronic).
 - Fire alarm system and auxiliary light system.
 - Power factor correction.

Management / Leadership and Communication skills:

- Decision Making.
- Make Objectives Happen.
- Problem Solving.
- Giving Presentations.
- Report Writing.