

Holds a B. Sc. in Electrical Power & Machines Engineering and a Diploma of Electric Power System (protection). Has about 13 years hands-on experience working in commissioning, protection and installation of various equipments at several substations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 18/11/1972
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Suez Canal University, 1996
: Diploma of Electric Power System (protection), Cairo University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: Matlab 6.5
: DIGSI4.8
: MICOM S1 2.11
: CAP 540, CAP 505, CAP 501, CAP531, PCM 600
: ENER VISTA 4.4

TRAINING COURSES AND CERTIFICATIONS

: Power System Protection Courses at Network Training Center:

- P1: Instrument Transformers & Power Measurement
- P2: Protection Fundamental
- P3A: Programming Digital Meter (ENRTA-ABB)
- P4A: Bus Bar Protection
- P6A: Digital Protection
- P6A: Digital Protection for distance relay (MICOM P442)
- Course in system earthing and safety grounding

CHRONOLOGICAL EXPERIENCE RECORD

Employer : Ministry of Electricity & Egyptian Holding Company for Electricity and Power Transmission

Job title : Power System Protection Engineer

Employer : BEMCO Service Company

Project : Power Plant 9 & Substation (ABB) – KSA

Job title : Commissioning Lead Engineer

Job Description :

- GE:
 - C60 Breaker Management Relay.
 - T60 Transformer Management Relay.
 - G60 Generator Management Relay.
 - Over current & Earth fault relay (MIF II).
 - Over voltage & under voltage (MIV II).
- ABB:
 - All testing and commissioning of 132KV GIS type HYUNDAI.
 - All tests ABB (RADHA, RAEDK, RASC, RAICA, REJ525, etc.).
 - Distance Protection Relays (Rel 511, Rel 521).
 - SPAJ 140 C, SPAU140C.

Dates : From Mar. 2006 till Mar. 2007

Employer : BEMCO Service Company

Project : Aweer P/S Project Substation (Siemens) – Dubai

Job title : Commissioning Engineer

Job Description :

- SIEMENS:
 - Over Current and E/F (7SJ611).
 - Cable Differential Relay (7SD610).
 - Restricted E/F (7UT612).
 - Bus ground detection under / over frequency over excitation V/Hz (7UM612).
 - Distance Protection Relays (7SA511).
- AREVA:
 - P543, P442, P441, P122, P121.
 - MFAC 14.

Dates : From Feb. 2000 till Mar. 2006

Employer : Egyptian Company for Electricity Power Transmission

Job title : Protection Engineer

Job Description :

- QASSASEEN Transformer Substation 66/11KV (2002):
 - Renew and install one transformer 25 MVA, 66 KV.
- EAST LUKE Substations 66/11KV (2002):
 - Install 2 new cells 66KV.
 - 2 CB 66KV.
 - 8 bars isolator EGEMAC.
 - 6 current transformers.
 - 6 voltage transformers.
 - 6 lighting arrestors.
 - All connections and bus bars 66KV.

- EAST LUKE Substations 66/11KV (2003):
 - Renew and install feeder distributions 11KV consists of 24 cells EGEMAC.
- SOUTH OF SAHLL EL-HOSSUNEA Substation (2004):
 - Renew and install 7 C.B SF6 ABB.
 - Renew and install feeder distributions 11KV consists of 32 cells EGEMAC.
- EL-SHABAB Substation 66/11KV (2004):
 - Renew and install 7 C.B SF6 ABB.
 - Renew and install feeder distributions 11KV consists of 32 cells EGEMAC.
- EAST LUKE Substations 66/11KV (2004):
 - Install new 8 air pressure isolator TECHEKY 66KV.
- WEST QANTRA Substations 66/11KV (2004):
 - Renew and install feeder distributions 11KV consists of 10 cells EGEMAC.
- INDUSTRIAL Substations 66/11KV (2004):
 - Renew and install feeder distributions 11KV consists of 32 cells EGEMAC.
- QASSASEEN Transformer Substation 66/11KV (2005):
 - Renew and install 7 C.B SF6 ABB.

Dates : From Jun. 1999 till Feb. 2000
Employer : Electrical Distribution Company
Job title : Protection Engineer

Dates : From Aug. 1998 till May 1999
Employer : Arab Contractor Company
Job title : Electrical Installation Engineer

Dates : From Apr. 1998 till Aug. 1998
Employer : Milling East Delta
Job title : Installation Engineer for PLC system

Field of experience :

- Testing & commissioning of HV & MV substation control functions.
- Testing & commissioning of HV & MV substation protective schemes.
- Installing HV & MV SF6 switch gear (ABB).
- Installing HV & MV Isolators.
- Installing 11KV distribution board.
- Installing different types of protection relay (distance, differential, over current, earth fault, under over voltage relays).
- Mending control circuit of HV & MV substation equipment.
- Further qualifications:
 - Install power transformer 220/66/11KV 125 MVA in stations such as ELMANIFI 220/66/11KV & ELSUEZ II 220/66/11KV.
 - Install power transformer 66/11KV 25 MVA in substations such as ELSHABAB 66/11KV & QUASSASEEN Substation 66/11KV).
 - Install circuit breakers 66KV in substation such as QUASSASEEN Substation 66/11KV, ELSHABAB 66/11KV).

- Install isolator in substations such as ELMANIFI 220/66/11KV & ELSUEZ II 220/66/11KV, ELSHABAB 66/11KV & QUASSASEEN Substation 66/11KV).
- Install BEYIES 11KV & BEYIES 66KV in substations such as INDUSTRIAL 66/11KV & ELSHABAB 66/11KV, QUASSASEEN Substation 66/11KV.
- Install Earthed & Lightning System Network.
- Exchange all mechanical distance relay in all Ismailia canal zone and install ABB distance relay type Rel 511 v2.5, over current and earth fault relay type Micom P122 and differential Siemens 7ut 512, 612.

Testing equipment:

- FREJA 100 for sec injection to test all protection relays.
- OMICRNO CMC256 for sec injection to test all protection relays.
- OMICRNO CPC100 for testing current and voltage transformer.
- CBT 400 (HATHAWAY) for CB Timing.
- SVEREKER 750 for sec injection.
- ODEN AT/2X for Primary Injection.
- Megger.
- MOM.
- HIPOT Tester (High Voltage).
- XS92A (ABB).
- QZ Tester.
- SIEMENS 7VP.