

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 8 years hands-on experience working in testing and maintenance of cables, transformers and switches.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/11/1985
Gender : Male
Marital Status : Married
Residence : Qalubia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Benha University, 2008

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2010

TRAINING COURSES AND CERTIFICATIONS

- : Grounding in electrical systems, Ministry of Electricity & Energy.
- : Connecting and Calibration of Wattmeter (Mokattam Training Institute, 2 weeks).
- : Protection basics (EETC Training Center, 2 weeks).
- : Maintenance and make joints of MV and LV cables (Mokattam Training Institute, 2 weeks).
- : Transformer maintenance (EL MACO, 36 hours).
- : PLC (S7-300), LADDER & FBD programming) (Technology Competency Center, Ministry of Trade and Industry, 25 hours).
- : ICDL (IBM Center).
- : Human Resources (National Egyptian Development Association – NEDA).
- : Automatic control (Helwan University, Jun. 2007– 36 hours).
- : Electrical distribution (Helwan University, Aug. 2007 – 18 hours).
- : Trainings at:
 - West Cairo Power Station (Aug. 2007).

- EGEMAC Company (Jul. 2007).
- ABB Company (Jul./Aug. 2006).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2009 till now
- Employer** : North Cairo Electricity Distribution Company (NCEDC)
- Projects** :
 - Design, testing and commissioning of TROBITAL CITY mini-compound includes:
 - 2 distributors (MV switchgears).
 - 24 km XLPE x400 mm² AL. (11-18KV) cables.
 - 15 km XLPE 3x240 mm² AL. (11-18KV) cables.
 - 11KV / 380V delta / star (5- 500KVA / 7- 1000KVA) transformers.
 - 19 km PVC x240+120 mm² AL. (400V-1KV) cables.
 - 12 RMUS (3+1), 11KV.
 - 12 automatic load break switches (2 out of 3).
 - Testing and installation of medium voltage automatic RMUs using SIM card technology in national project of remote control.
- Job title** : Senior Network Engineer (Medium Voltage Department)
- Job Description** :
 - Major responsible for installation, testing and maintenance (preventive & corrective) specifications of medium and low voltage cable (22KV / 11KV / 380V) XLPE, Oil impregnated paper and PVC.
 - Ensure the execution and achievement of the compound's maintenance plans as well as preventive maintenance programs goals, which support overall objects of New Cairo City.
 - Interact with service providers including vendors and contractors.
 - Attend all types of routine tests of cables, transformers, joints and terminals and prepare all reports to insure perfect qualifications and company requirements.
 - Review cable burying method with contractors to assure company requirements.
 - Major responsible for (22-11KV / 380V) transformers maintenances (preventive & corrective), installations and tests.
 - Preparing all types of reports related to transformers in case of fault, maintenance and installation.
 - Attend meetings to discuss projects progression, any issue of cables installation, test and maintenance.
 - Testing and commissioning of 11KV / 380V transformers & RMUs.
 - Installation & commissioning of automatic SF6 RMUs using RTU technology.
 - Follow up & co-operate with various NCEDC divisions for testing & maintenance of major Equipments of distribution system.
 - Applying all company safety regulations for whole projects.
 - Design of MV, LV distribution systems in cities and compounds.
 - Working in line with QA specialist to insure all quality indicators.
 - Participate with head sectors in a strategy facing the summer electrical overloads in MV, LV cables and distribution transformers.
 - Calculating harmonic analysis & power factor correction in distribution network using power factor analyzer.
 - Installation and maintenance of distribution MV, LV switchgears.
 - Testing and titration of single and 3- phase smart wattmeter.

- Supervising and calculating the grounding resistance values of medium voltage switchgears and transformer housing using ground resistance meter.
- Working with a team to measure the temperature of hot contact points in transformers, cables terminals, RMUs, and all component of distribution network to detect the hot faulty points and working on it using digital thermal camera.

Employer : EI-ETTAHADEYA and EI-KOPPA Presidential Palace, Cairo
Job title : Operation Engineer
Job Description :

- Monitoring the variation of voltage, current and frequency of generators and MV / LV panels.
- Arranging maintenance schedules for generators, transformers and MV / LV panels.
- Operating and maintenance of automatic MV, LV panels and circuit breakers.
- Maintenance of MV distributors and 11KV circuit breakers.

Dates : From Mar. 2009 till Aug. 2009
Employer : Blue Star Company (Red Sea Group)
Project : Cairo Airport (Main) – Hotels and land ports in Egypt
Job title : Installation & Maintenance Engineer
Job Description : Performing preventive maintenance and troubleshooting for electrical, electronic, components of automatic coffee and juice machines.

Instruments using during work:

- Test van (SEBA KMT 2010) (0 - 80KV DC) output.
- Test van (SEBA KMT 2014) (0 - 6 KV DC) output.
- Power factor analyzer.
- MEGGER (OHMMETER).
- Phase sequence analyzer.
- RTU (Remote Terminal Unit).
- Ground resistance meter.