

Holds a B. Sc. in Electrical Power & Machines Engineering and a Diploma in Electrical Installation and Wiring. Has over 15 years hands-on experience working in Electrical / I&C installation and maintenance activities.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 03/09/1983  
Gender : Male  
Marital Status : Married  
Residence : Talkha

## EDUCATION

- : B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2005
- : Diploma in Electrical Power Engineering, Mansoura University, 2008 (Study Period: 2 years, Project Material in Electrical Installation & Wiring)

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

- : Windows, MS Office, Internet
- : Electrical AutoCAD
- : Dialux lighting design V4.4

## TRAINING COURSES AND CERTIFICATIONS

- : Ovation.
- : Instrumentation and calibration.
- : Electric distribution system equipments.
- : Generator Protection.
- : Total lubrication management solution.
- : MS PROJECT Projects Plan and Management software.
- : MAXIMO Operation and Maintenance Management software.
- : SAP Store stock, purchasing process handling and management software.
- : AutoCAD with Electrical application software.

- : GE Protection relays Operation, Maintenance and Programming using EnerVista software.
- : PEP PLC operation and programming using ISAGRAF software.
- : Training course in MDEPC by MDEPC for Gas Power Station Operation and it's equipment.
- : Training course in MDEPC by MDEPC for DC Circuits and Feeders Maintenance.
- : Training course in EGYTRONIC for Electrical Installation and Wiring.
- : TRANE HVAC systems operation and Maintenance.
- : ICDL Certificate

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2019 till now  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Power Plant (SIEMENS Gas turbines V94.3A, T3000 control system, CMI HRSG, Ovation control system)  
**Job title** : I&C Engineer

**Dates** : From May 2012 till Jan. 2019  
**Employer** : Dubai Electricity and Water Authority (DEWA), UAE  
**Project** : Jebel Ali Power Plant P1, D, E and G-Stations  
**Job title** : Electrical Maintenance Engineer

**Dates** : From Jan. 2010 till Mar. 2012  
**Employer** : Kharafi National Company (KN) in Kuwait  
**Projects** :

- MEW/ 71- 2008/2009, Az-Zour gas turbines conversion to combined cycle project
- MEW/C/4010-2009/2010, Sabiya Combined Cycle Power Station 2250MW

**Job title** : Electrical Project Engineer

**Dates** : From May 2007 till Jan. 2010  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : New Talkha Combined Cycle Power Station (750MW)  
**Job titles** : Electrical Project Engineer

**Dates** : From Sep. 2005 till May 2007  
**Employer** : Egyptian Electricity Transmission Company (EETC)  
**Project** : Load Dispatch Center (LDC), Delta Zone  
**Job title** : Operation & Control Engineer

**Field of experience** :

- I&C Engineer:
  - Execute and monitor the maintenance activities of the instrumentation and control equipment in the assigned area, assign resources, estimate and initiate procurement of the

operational and strategic spares with the objective to ensure reliability, quality and to carry out responsibilities relevant to the role specified in the Company's Safety, Environment, Quality policies and procedures.

- Arrange resources, schedule and control the routine, preventive overhauls and emergency maintenance, in order to efficiently and safely complete all the activities well within the allocated period of outage.
- Monitor parameters of running machines, trouble shoot and derive effective solutions to equipment problems, make myself available during emergencies round the clock, in order to ensure the continuous and safe operation of the plant machinery.
- Update, maintain records, and generate reports related to the maintenance work.
- Estimate and budget for the requirement for the year and arrange for procurement in order to ensure the availability of the spares/tools/test equipment during overhauls and emergency maintenance and thereby ensuring the quality and timely completion of work.
- Ensure implementation of health and Safety policies and directives to health and safety at work places. Follow and adhere to the OH&S Management System Manual as per safety standards.
- Investigate the possibilities of improvement in the process in line with the strategic target.
- Explore possibility of improvement in maintenance quality, safety, man-hours spent and cost effectiveness.
- Train & Develop employees working in the section to meet the departmental objectives.
- Electrical Maintenance Engineer:
  - Responsible for supervising reliability-centered maintenance of equipment like Generators, Excitation systems, Transformers, MV & LV Motors, MV & LV Switchgears, EOT Cranes, Batteries, chargers and Inverters.
  - Condition monitoring of running machines, trouble shoot and derive effective solutions to equipment problems, make self-available during emergencies round the clock, in order to ensure the continuous and safe operation of the plant machinery.
  - Arrange resources and control the routine, preventive overhauls and emergency maintenance, in order to efficiently and safely complete all the activities well.
  - Generate reports on major failures and recommends suitable actions to minimize or eliminate recurrence of the problems.
  - Update, maintain records, daily log book, generate reports related to the maintenance work, maintain master list of drawings, calibrate/test tools and test equipment, in order to enable the supervisors to take the right decisions and thereby ensure plant reliability.
  - Ensure safe work practices and methods.
  - Conduct toolbox talks regularly in order to ensure safety at all times.
  - Carry out risk assessments, monitor work practices and methods, conduct safety and housekeeping inspections, in order to ensure

- safety centered maintenance.
- Plan and prepare preventive maintenance schedules and associated procedures and checklists. Prepare for the scheduled overhaul and check the manpower availability.
- Identify & propose the possibilities of improvement in the process, maintenance quality, safety, man-hours spent and cost effectiveness, in order to strengthen the superiors' effort to contribute to the organization's action plan of 'continuous development and process improvement'.
- Identify spares/tools/test equipment requirement for the year and initiate procurement in order to ensure their availability during overhauls and emergency maintenance and thereby ensuring the quality and timely completion of work.
- Preparation of Annual Budgets (Tools – Spare Parts).
- Assist Purchase Department in specification of items for purchase, spare parts details and other day-to-day jobs, as and when required.
- Electrical Project Engineer:
  - Review all technical specifications, drawings, operational / maintenance / quality procedures and Submittals which submitted by the contractor.
  - Submit all comments to be modified or explained by the contractor.
  - Attend the daily meeting on site to get the schedules of commissioning weeks and release our notifications.
  - Witness for electrical Construction Works and be sure about the Construction is done according to the Specifications and standards as per project contract provisions.
  - Carry out stage and final inspection of repair jobs done by contractors either on site or in their facilities outside, evaluate their procedures and competency and witnesses the necessary tests before acceptance.
  - Prepare the punish items of the outstanding works.
  - Attend the overall plant commissioning tests and reliability test run RTR for the units.
  - Making the following Tests:
    - Insulation resistance test IR, Contact resistance test CR, High Potential test HI-POT.
    - Functional test for power transformers and MV, LV Switchgears.
    - Electrical and Mechanical run test for MV, LV Motors.
    - Primary Injection for CTs and VTs, Secondary Injection for meters.
  - Participate in the Secondary Injection tests for GE-Multilin protective relays.
- Operation & Control Engineer:
  - Maneuvering the Electrical equipment of the Delta zone Network within connecting and disconnecting for maintenance and cleaning works for (OHTL Over Head Transmission Lines 66KV - Transformers 66/11KV - Feeders 11KV).
  - Pursuance the network voltages, frequency and the daily loads for the Electrical equipment (Transmission lines, Transformers, Feeders) 220, 66, 11KV to be with in its safety limits and under

normal operation.

- Handling maneuvering with National control center NCC to connect and disconnect the 220KV Electrical Equipment (OHTL Over Head Transmission Lines 220KV - Transformers 220/66/11KV).
- Dealing with incidents and failures of the Network so faster as to back the normal status with continuous feeding to satisfy the reliability.
- Recording the periodic daily loads profile and write a global report about the network statue.