

Holds a B. Sc. in Electrical Power & Machines Engineering and a Diploma of Switchgear and protection. Has over 11 years hands-on experience working in operation, construction, design and technical office.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/04/1986  
Gender : Male  
Marital Status : Married  
Residence : Damietta

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2008  
: Diploma of Switchgear and protection, Port Said University, 2018

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

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

## TRAINING COURSES AND CERTIFICATIONS

: Operating GIS SF6 66KV AEG Switch gear.  
: Operating GIS SF6 220KV AEG Switch gear.  
: Operating 135MW Siemens Gas Turbine V94.2.  
: Operating, monitoring plant auxiliary.  
: Operation of steam power plant (Boiler, Turbine, Generator, Transformer).  
: Diesel Engine.  
: Preparation for PMP Certificate.  
: AMPLISMA (certified courses).  
: Design for electrical installation using AUTOCAD (2D) (certified courses).  
: Programmable Logic Control "PLC".

- : Twin combustion chamber – 135MW base load unit gas turbine.
- : General English (level 9) (certified courses).
- : PRIMAVERA (certified courses).
- : Unified Electrical Network Components and it's Control Methods.
- : Training at Damietta Combined Cycle Power Plant (summer 2006).
- : Training at Suez Oil Company (SUCO) (summer 2007).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2009 till now
- Employer** : East Delta Electricity Production Co.
- Project** : Damietta Combined Cycle Power Station 1250MW
- Job title** : Power Plant Operation Engineer
- Job Description** :
- Operating & Monitoring Boiler HRSG 250 T/H (Borsig) (DCS): DCS Operating Boilers HRSG (Heat Recovery Steam Generation) and its auxiliary such as HP & LP pumps, Drums, Super Heater, Filling, Safety valves, Pumps, Transmitters and working in the emergency trip of HRSG.
  - Steam Turbine Operating & Monitoring (Alstom 140MW) (DCS):
    - Daily inspection of the unit measurements (Temperatures, Pressures, levels of oil and Vibration of Bearings).
    - Carry out Complete Start-up, normal operation and shutdown of the unit.
  - Operating & monitoring plant auxiliaries (DCS):
    - Instruments & service air compressors (2 stages, 9 bars, with dryer).
    - Diesel generators (2.4MW, 6.3 Caterpillar).
    - Intake & water pump house and its D.C.S. control.
    - Closed cooling water, service water & circulate water.
    - Conditioning system (chiller).
  - Gas Turbine Operating & Monitoring (Siemens V 94.2):
    - Two Units of GAS Turbine V94.2 each one of them driving Electric Generator 135MW, 10.5KV.
    - Two power transformers each one 10.5KV / 220KV, 152 MVA.
    - Performing the unit's start-ups and shutdowns per assigned target trouble shooting, effective response to emergency conditions.
    - Two Start-up power transformers 10.5KV / 6.3KV, 8.7 MVA.
    - Monitor the operation of a power generating unit to ensure reliable and efficient generation.
  - Operating & Monitoring GIS SF6 220KV Switch Gear:
    - Switchyards contain connections of:
      - 9 Generators, 6 Transmission lines.
      - Control panels for these connections.
      - Protection system of transmission lines.

**Private work: I work as a Site & Design Electrical Engineer as additional work shown:**

- Employer** : ENGINEERING ELECTRO-MECHANICAL CONSTRUCTION & MAINTENANCE (EECM)
- Projects** :
  - Pure Life Factory (New Damietta) (2018)
  - Shooting Club (PORT SAID) (2017)
- Job title** : Site Electrical Engineer
- Job Description** :
  - Pure Life Factory (New Damietta) (2018):
    - Supply and installation Compact Secondary Substation (Kiosk) with RMU (2+1), 1000KVA (10.5/0.4KV) oil type from EGYMAC and ABB.
    - Supply and pulling of underground cables (MV & LV cables).
    - Supply and pulling MV AND LV with cable tray (ELSWEEDY).
    - Supply and installation lighting fixtures (High bay luminaire) (EGYLUX).
    - Supply and installation electrical panels and LV circuit breaker (SCHNEIDER).
    - Supply and installation earthing works (RAYCHEM RPG and WALLIS).
    - Make shop drawings for cables and panels.
    - Preparing BOQ and accounting of quantities.
  - Shooting Club (PORT SAID) (2017):
    - Transformer installation 1000KVA (10.5/0.4KV) oil type from MEMICO.
    - Low voltage networks.
    - Light current systems:
      - ❖ Telephone system.
      - ❖ Fire alarm system.
      - ❖ Sound system.
      - ❖ Master antenna system
    - General & decorative lighting.
    - Street & green area lighting.
    - Preparing BOQ and accounting of quantities.

- Employer** : ALNOUR CONSTRUCTION Co.
- Project** : New Urban Communities Authority Portal (New Damietta):
  - Installation (100,000 units) (Social Housing) (Dar Masr Project) (2015)
  - Develop and beautify the new squares of Damietta (Three Squares and GAMASA Entrance Gate) (2014)
- Job title** : Electrical Design & Site Engineer
- Job Description** :
  - Supply and installation of outdoor and road lighting units (6,5 and 3 pole - bollard - Bergullac up and down lighting – step light - Indoor fixtures ...) (Philips, EGYLUX, ALUMASR, ELSWEEDY).
  - Installing pump room with all components (Indoor fixtures (3BROTHERS), Switches (bticino and M.K), Control panels (ABB), Pumps (Grandfos, Imag and Calpeda), valves, piping).
  - Installing electrical works for two fountains (DC lighting units recessed under water).
  - Supply and pulling of underground cables (MV & LV cables).
  - Supply and installation Compact Secondary Substation (Kiosk) with

RMU (2+1), 500KVA-1000KVA-1500KVA-2000KVA (11/0.4KV) from MEMICO and ABB.

- Supply and installation 60 PILLARS 100KVA WITH ALL ACCESSORIES.
- Supply and installation 100 COFFREE WITH ALL ACCESSORIES.
- Supply and installation M.V AND L.V CABLES (ELSWEEDEY - ECM CABLES).
- Supply and installation lighting fixtures with led lamps (Philips).
- Supply and installation electrical panels and LV circuit breaker (SCHNEIDER & ABB).
- Supply and installation earthing works (RAYCHEM RPG and WALLIS).
- Make shop drawings for cables and panels.

**Employer** : ALNOUR CONSTRUCTION Co.  
**Project** : EL WASTANI PETROLEUM CO. (2012):

- Installation Service Building & Restaurant
- Installation Concrete Factory

**Job title** : Electrical Design & Site Engineer  
**Job Description** :

- Design single line diagram for Factory, Service Building and Restaurant according to motors and loads (95KW).
- Design electrical works (light distribution - sockets – split air condition - Fire Alarm and Telephones).
- Supply and pulling of underground cables from feeder to main panel (MV & LV cables).
- Supply and installation electrical panel (ABB).
- Supply diesel generator CATERPILLAR (200KVA).
- Supply and installation earthing works (RAYCHEM RPG and WALLIS).
- Prepared study casing for Distribution Electricity Co. to buy special transformer (200kVA - 11/0.4KV) with Isolators Kiosk (630 A) fuse link (12KV – 63 A).

**Dates** : From Dec. 2009 till Aug. 2010  
**Employer** : Misr Company for mechanical and electrical projects "KAHROMIKA"  
**Project** : EI-Tebbin Thermal Power Plant 2x350MW  
**Job title** : QA/QC Electrical Engineer  
**Job Description** :

- Follow up all electrical erection (Pulling cables, termination of all control and power cable, race way and cable tray installation...) using Inspection & Test Process (ITP PLAN).
- Carrying out all electrical tests on cables such as Insulation Megger test, and continuity test.
- Follow up erection of all instruments such as (PDIS, PT, FT, TT, FIT, LT, PIT, Thermocouples, ...etc.).
- Follow up Punch list and cover all its points.
- RESPONSIBLE FOR ALL all QC certificated and handover to contractors.
- Attend as a member to make examining and doing Factory acceptance test (FAT) and Site acceptance test (SAT) for panels, pole, lighting units, earting rods with its accessories and cables.
- Responsible for Inspection request (IR), material submittal request (MSR), Non compliance report (NCR), Daily, weekly reports.