

Holds a B. Sc. and a Diploma in Electrical Power & Machines Engineering and has about 11 years hands-on experience working in construction and maintenance.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 08/02/1984  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, 2006  
: Diploma in Electrical Power & Machines Engineering, 2016

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: AutoCAD  
: Matlab

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Aug. 2012 till now  
**Employer** : West Delta Electricity Production Co. (WDEPC)  
**Project** : Sidi Krir Combined Power Plant (750MW):

- 2 Mitsubishi Gas Turbines coupled with 2 generators, 3 x Atlas Copco Gas Compressors (6KV), 2 x 2 NEM Heat Recovery Steam Generator, 1 x Ansaldo Energia Steam Turbine, Toshiba main contractor for Auxiliaries (6KV, 400v, DC), Yokogawa DCS System & Schneider Switchgear.
- Main transformers 300 MVA 21/500KV oil immersed off load tap changer with Siemens Seprotec Protection devices.

- Auxiliary transformers 300MVA / 6.3KV oil immersed on load tap changer with Siemens Seprotec Protection devices.
- Medium Voltages Switchgears (6.3KV) Schneider SF6 type circuit breakers with Sepam protection devices.
- Low Voltages Switchgears (380V) air type circuit breakers Schneider.
- DC Battery chargers and UPS system.
- 1750 KVA black start-up Diesel generator with dynamic excitation system.
- Trash Rack and Travelling Screen Systems.
- 6.3KV induction motors, 400V induction motors, 125V DC motors and local control panels.

**Job title** : Electrical Engineer

**Job Description** :

- Scheme Checking and modifications for control circuits, Logic circuits for MV (6.3KV) and low voltage (400v).
- Start-up & isolation of (6KV) equipment, valves, different kind of pumps.
- Electrical maneuvers for bus bars changeover.

**Dates** : From 2009 till 2012

**Employer** : El Nour optics for optics manufacturing & coating, Mergim – Alexandria-Cairo desert road:

- 6 different kind of modern CNC lathe machines for lenses cutting and surfacing 12 auxiliary for polishing.
- Multi coating antireflection high vacuum machine with pc & (LS) plc control system - booster pump - diffusion pump - ion beam gun - high voltage source.
- Robotic arm multi stage hard coating machine (Allen Bradley) plc.
- 3 air composer & central water chiller.

**Job title** : Maintenance Manager Engineer

**Job Description** :

- Traveling to France twice for training on the CNC machines.
- Traveling to South Korea for training on the multi coating antireflection high vacuum machine.
- Maintenance the different kind of automation systems (plc - pc - contactors).
- Maintenance the different kind pumps or compressors (electrical – mechanical).
- Maintenance the booster & hi vacuum pumps.
- Maintenance the different kind of electronic boards.

**Dates** : From 2008 till 2009

**Employer** : El Alamia for cranes manufacturing, Borg El-Arab – 3rd Section:

- Building huge cranes with different kind of lathes, milling, drilling and automatic welding machines.
- Building the electrical panels of the crane motors.

**Job title** : Maintenance Manager Engineer

**Job Description** :

- Maintenance the different kind of lathes, milling, drilling, automatic welding machines and electrical hookers.
- Building the electrical panels of the crane motors.

- Dates** : From 2007 till 2008
- Employer** : El Watania for wood manufacturing, Borg El-Arab – 2nd Section:
- Manufacturing the wood plates from tree trunks using big lathe (biller machine) which convert the tree trunks into a paper sheets of wood – fully controlled variable speed control motors.
  - Cutting the wood into small pieces (different kind of machines) then collecting it in shape of plates with (torrwiga machine).
  - Steam dryers, steam press, steam boiler and 2 Atlas Copco air compressors.
- Job title** : Maintenance Manager Engineer
- Job Description** :
- Maintenance the different kind of automation control in all the above.
  - Ability to build complete new panels for the different kind of machines (building new factory from outdoor scrap).
  - Maintenance the different kind of air compressors.
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- Dates** : From 2006 till 2007 (6 months)
- Employer** : Industrial electronic boards maintenance (Dief Center), Alexandria:
- General maintenance in the factories especially in spinning and weaving factories.
  - Specialist in maintenance different kind of electronic power board like inverters, converters, power supplies, plc, etc.
- Job title** : Electrical & Electronics Maintenance Engineer
- Job Description** :
- Abilities to maintain different kind of control electronics boards, inverters, converters, plc, power supplies and various kinds of equipment (instruments).
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- Dates** : 2006 (6 months)
- Employer** : Egypt Tape Faries - Cupper Mixers & Taps manufacturing, Borg El-Arab – 1<sup>st</sup> Section:
- Melting the cupper with big electrical oven then casting the copper in molded shapes then lathe the cupper shape in an automatic plc lathe.
  - Various kind of automated lathe machines for various kinds of operation.
- Job title** : Maintenance Manager Engineer
- Job Description** :
- Abilities to maintain the various kinds of control power panel of machines (automation & control).
  - Plc programming and maintenance.