

# 103710-ICX-58MOS-E-2014

## Automation & Instrument Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 4 years hands-on experience, including 2 years working as Automation & Instrument Engineer and 2 years as Maintenance & Operation Engineer.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 05/02/1991  
Gender : Male  
Marital Status : Single  
Residence : El-Minia

### EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, El-Minia University, 2014

### LANGUAGES

Arabic : Native Language  
English : Very Good

### COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Electrical AutoCAD 2D  
: Matlab programming

### TRAINING COURSES AND CERTIFICATIONS

- : Training at Abu Korkas Sugar Factories (Aug. 2012):
  - Winding of three and single phase AC machines and using classic control circuits to control the AC machines.
  - Operation and construction of factory generators.
- : Training at Suez Cement Group (Jul./Aug. 2011):
  - White cement production stages.
  - Preventive maintenance (PM).
- : Training at Egyptian Electricity Company, Middle Egypt Zone (Jul. 2012), North Minia substation & Samalout substation 500KV:
  - Power transformer.
  - Knives and Circuit Breakers (sf6, oil, air blast CB).
  - Maneuvers of 500, 132, 220KV power lines.
  - Maintenance of 500, 132, 220KV power lines.

- : Training at Caritas-Egypt Association (from Feb. till Apr. 2013):
  - Classic control circuits (design, carrying out, maintenance).
  - Start of three phase motor using star/delta.
  - Using relays, timers, Different switches such as on/off switch for three phase motor, manual switch to reverse three phase motor direction, ...
- : Electrical power systems distribution at Assiut University, JELECOM-EGYPT (Sep. 2013):
  - Designing Lighting System layout (using Dialux, manual calculation according to Egyptian Code).
  - Power and Normal Sockets Layout for different area (Industrial, Residential, Commercial...).
  - Emergence System, Fire alarm System, CCTV and Sound Systems.
  - Calculate Transformer rating, circuit breaker sizing, cables c.s.a, voltage drop calculation and short circuit calculation.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Aug. 2016 till now  
**Employer** : Royal El-Minya Cement Company  
**Job title** : Automation & Instrument Engineer  
**Job Description** :
 

- Dealing with (11KV) medium motor stating and operation.
- Dealing with programming of s7-400, s7-300, s7-200 and wincc.
- Dealing with boiler maintenance.
- Learning the operation and plc programming of (ball and vertical mill, air bag filter, kiln, crusher).

**Dates** : From Jan. 2016 till Jun. 2016  
**Employer** : Shamal El Saed for Industrial Development and Investment Company  
**Project** : Water Factory Project at New Minia City  
**Job title** : Maintenance & Operation Engineer  
**Job Description** :
 

- Maintenance Engineer at water station of the factory.
- Installation electrical and mechanical equipment of production lines.
- Installation the low volt electricity network of the factory.

**Dates** : From Aug. 2015 till Dec. 2015  
**Employer** : Hakim Hashim Company for plastic production  
**Project** : Baco Hakim Factory at 10th of Ramadan City  
**Job title** : Maintenance Engineer

**Dates** : From Oct. 2014 till Aug. 2015  
**Project** : Crystal Asfour Plant, the 5th Location Factory at El-Minia Governorate  
**Job title** : Maintenance & Operation Engineer  
**Job Description** :
 

- Performing PM (Preventive Maintenance) for transformers, medium and low voltage distribution panel, capacitor boards and production lines.
- Making Electrical Estimated assay for compressor station that contain 9 compressors.
- Making the operation budget of the electrical department of the plant according to the requirements of the section.

- Implementation of technical training programs for technicians to equip them new skills.
- Execution a study of the rates of consumption of electrical energy of the factory.