

104061-CSX-5CDMS-E-2012
Electrical Maintenance & Automation Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 3 years hands-on experience working as Electrical Maintenance and Automation/Control Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/08/1990
Gender : Male
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: MATLAB, AutoCAD 2010, Lighting calculations (Calculax & Dialux)

TRAINING COURSES AND CERTIFICATIONS

: Designing of low voltage & medium voltage distribution systems in Helwan University.
: Maintenance of electronic cards in Tabbin Institute for Metallurgical Studies.
: Automation Diploma (Classic control - PLC BASIC programming s7-1200 - PLC Advanced programming s7-300 - SCADA system & HMI application - Sensors - Electrical AutoCAD - Motor drive) in HA Consulting Group.
: Programmable logic controller (Siemens S7 – 300) in Helwan University.
: English course in ISI Academy.
: Summer training in Helwan University (2009).
: Training at the Egyptian Steel & Iron Company (2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2016 till now
Employer : Egyptian Steel & Iron Company

- Job title** : Electrical Maintenance and Automation Engineer in the department of Rolling Mills of Iron strips
- Dates** : From Nov. 2014 till Mar. 2016
- Employer** : New Egyptian Germany for paper industries
- Job title** : Electrical Maintenance & Control Engineer
- Dates** : From Apr. 2014 till Oct. 2014
- Employer** : IDACO Company
- Job title** : Electrical Maintenance Engineer
- Field of experience** :
- Design and troubleshoot Classic control circuit.
 - Expertise in design of SCADA, HMI systems using Wonder ware InduSoft Web Studio, Wincc and TIA program.
 - Expertise in design, troubleshoot and commissioning of PLC Siemens S7- (300-400-1200), PLC FATEK, PLC LS and PLC DELTA.
 - Expertise in design PLC programs using Simatic step 7, WProLad, TIA Portal programs.
 - Ability to troubleshoot control systems from the field element up through operator interfaces and databases.
 - Control including various communication protocols (MODBUS, Profibus, PROFINET, MPI, Ethernet/IP etc.) for application software of HMI/SCADA solution & system / device configuration.
 - Connection and programming inverter as ABB, Schneider, yaskawa and LS.
 - Ability to read and comprehend engineered drawings and schematics.
 - Test and fixed faults for induction motors, Synchronous motor, DC motor.
 - Panel / Electrical Drawing Skills using AutoCAD.
 - Short circuit and voltage drop calculations.
 - Experience in the production line of diapers.