

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 3 years hands-on experience working in construction, design and technical office.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 04/07/1992  
Gender : Male  
Marital Status : Single  
Residence : Nasr City, Cairo

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Zagazig University, 2014

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Revit MEP  
: AutoCAD  
: Dialux  
: Matlab Simulink  
: ETAP  
: Primavera

## **TRAINING COURSES AND CERTIFICATIONS**

- : Electrical Safety Training Program (OSHA Standards).
- : Working on Mitsubishi PLC system with software GX Developer (Jul. 2016).
- : Electrical Site Engineer (training) (May 2015):
  - Electrical installation of different electrical systems (Lighting & Power Sockets).
  - Electrical installation of different light current systems (Public Address, Access Control, Fire Alarm, CCTV, Telephone & Data).
  - Electrical installation of layout external works (MV, LV & LC cables, wires, manholes, street lighting, earthing and lightning systems).
  - Electrical installation of different kinds of panels (MVSG, RMU, MDB,

- SMDB, UPS & ATS).
- Testing the Electrical System after Installation to ensure that the System is ready and safe.
- : Certificate of Competency in Electrical Power System Protection (2015):
  - Understand protection system components.
  - Perform simple relay settings.
  - Choose appropriate protective devices for different equipment
  - Interpret the protection systems existing in your plant.
  - Make more informed decisions on electrical power system protection.
- : SCADA Innovation (RTUs with SCADA software) (2014).
- : Classic Control – at Italian Institute ‘Don Bosco’, Cairo (2014): Attended 92 hours and the training was about how to design and execute the power and control circuits.
- : SHERWEDA Substation (Jun. 2013): Attended 6 days at the Substation and see the control and protection devices of the substation and Step down Transformers and their attachments.
- : Training at Cairo Metro ‘Third line project’ (2013): Electrical installation and maintenance.
- : ELSEWEDY TRANSFORMERS (Jul. 2012): Attended a month training at the transformers factory (manufacturing and assembling Dry & Oil Transformers).
- : ELECTRICAL DISTRIBUTION Course – Jelecom Training Center (2012): Attend 36 hours and the course about the electrical distribution at buildings.
- : Electrical installation design at Engineer Syndicate (2012).
- : Matlab basic training course at Jelecom (2011).
- : Intel® Learn protect for maintaining & computer science.
- : Attended Green Innovation Entrepreneurship program (GIEP).
- : AUC general English course and general conversation course (May 2013).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2015 till now
- Employer** : GPC for consulting
- Project** : Dar Misr social housing buildings at 10<sup>th</sup> of Ramadan City
- Job title** : Electrical Site Engineer
- Job Description** :
- Make a full design for (LV - MV) panels.
  - Main and Sub main Distribution Board design.
  - Distribution Panel design with its calculations.
  - Automatic Transfer Switch design (A.T.S).
  - Prepare Shop Drawing and single line diagram design.
  - Check all specification and study tenders.
  - Make bill of quantity (BOQ) and pricing for all materials and items.
  - Preparation of electrical conceptual designs including electrical load estimation, interior lighting, small power, electrical infrastructure, low current, life safety, fire alarm, security systems, protection design and panel schedules.
  - Preparing cable sizing, short circuit calculations, and voltage drop calculations and lighting calculation sheets.
  - Preparation of specifications and tender documents in addition to the

coordination with the other disciplines to meet the client's needs and requirements to conform to approved codes and standards.

- Tendering study (Price and Cost, Technical offers & Evaluation).
- Assist the project during the project duration (Contact Supplier, Consultants, Clients and meeting).
- Perform routine inspection and document result in accordance with approval procedures.
- Responsible from equipment installation and continue energizing of electrical equipment to pre-commissioning and commissioning.
- Requests in coordination with project engineers.
- Inspect testing and commissioning method statements in coordination with project engineers.
- Assist in the review and forward any comments on the contractor's technical.
- Coordinate MEP drawings to insure all systems work within space constrain that code, keep current, accrue drawings, construction changes to insure that accurate "as built" documents are provided by our company and our subcontractors to our client.

<b>Dates</b>	:	From Jul. 2014 till Mar. 2015
<b>Employer</b>	:	EMEC Constructions
<b>Project</b>	:	Rehabilitation and Expansion of Cairo International Airport (TB2)
<b>Job title</b>	:	Electrical Site Engineer (Trainee)
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• Responsible for:<ul style="list-style-type: none"><li>- Handing over the installation activities with the main contractor.</li><li>- Analyzing and resolving field problems.</li><li>- Implementation of the Daily &amp; Monthly Site Activities Reports.</li><li>- Ensuring equipment and procedures comply with safety regulations.</li><li>- Checking and preparing site reports, designs and drawings.</li><li>- Overseeing building work.</li><li>- Making sure budgets, timescales and project specifications are met.</li><li>- Solving problems and providing technical advice.</li><li>- Review material and labor requirements to decide whether it is more cost-effective to construct or sub-contract components.</li></ul></li><li>• Technical duties:<ul style="list-style-type: none"><li>- Responsible for installation of the following electrical systems:<ul style="list-style-type: none"><li>▪ Lighting System.</li><li>▪ Small Power System.</li><li>▪ Fire Alarm &amp; Public Address Systems.</li><li>▪ Access Control, Water Leak Detection, Master Clock &amp; Master Antenna TV System.</li></ul></li><li>- Collaborate with project managers to develop detailed project plans and work breakdown for large projects.</li><li>- Verifying &amp; confirming BOQ, Prelims &amp; other expenses in advance to avoid unwarranted / unaccounted costs.</li></ul></li></ul>

Main brands worked with:

- PLC: Siemens.
- Classic control: SCHNEIDER, ABB.