

Holds a B. Sc. in Electrical Power Engineering and has over 1 year experience working in various electrical projects includes: Coordination (selectivity) study for MV & LV systems, Load estimation, Lighting, Power Networks, Bulk Equipment, Cables, Circuit Breakers, Voltage drop & Short circuit calculations, Cable Routing and Earthing systems, some light current systems.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/01/1996  
Gender : Male  
Marital Status : Single  
Residence : Ghamra, Cairo

## **EDUCATION**

: B. Sc. in Electrical Power Engineering, Mansoura University, 2019

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD  
: ETAP  
: REVIT MEP  
: DIALUX EVO  
: DIALUX

## **TRAINING COURSES AND CERTIFICATIONS**

: Cert Prep: Revit MEP Electrical Certified Professional (Lynda) (Jan. 2020).  
: Revit 2020: Essential Training for MEP (Metric) (Lynda) (Jan. 2020).  
: Revit MEP Course (Udemy) (Jan. 2020).  
: AutoCAD Essential Training Course (Lynda) (Jan. 2020).  
: Load Estimation course (Udemy) (Oct. 2020): Using NEC-220 & IEEE-241 & EGY CODE & DPS CODE & Siemens guide & BSRIA guide.  
: Dialux Evo (Interior & Facade lighting design).

- : Energy University 2019 Championship by Schneider Electric (Jul. 2019): many topics of electrical engineering such as MV, LV network & Selectivity studies.
- : Autodesk BIM week (REVIT MEP workshops) by TEA Serv Company (Dec. 2018).
- : "APE" Program powered by Engineering Consultants Group (ECG) (Jul. 2018).
- : Training at North Delta Electricity Distribution Company, Damietta (Jul. 2018): operation and generation of power plants.
- : Training at East Delta Electricity Production Company, Damietta (Jul. 2017).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2019 till now
- Employer** : Egypt Africa engineering (EAe)
- Job title** : Electrical Design Engineer
- Job Description** :
- Prepare Coordination (Selectivity) study for MV & LV systems "C.B & Relays" using ETAP software:
    - GASCO LPG Transfer (Damietta – Tanta).
    - Port Said Tunnels, Port Said, Egypt.
    - DANONE FARM, NUBARIA, Egypt.
    - Eastern (Tobacco) Company, 6th of October, Egypt.
    - NEW ASPHALT UNIT PROJECT, Egypt.
  - Sonker: Basin 3 Liquid Bulk Terminal, Sokhna Port, Egypt: Power & Control wiring interconnection for MV & LV Bulk Equipment's.
    - ABB Scope: (22 & 6.6 & 0.4KV) Switchgears + (power & Distribution) Transformers.
    - Siemens Scope: Motors (SST & VFD).
    - Caterpillar Scope: (6.6 & 0.4KV) Generators.
  - DANONE FARM, NUBARIA, Egypt:
    - Re-design of cables routing from underground to cable trays, considering all derating factors.
    - Design the Earthing system for the Electric Bulk Equipment's rooms (RMU, TR and MDB's).
    - Design Lighting and small power system.
    - Prepare workshop drawings for cable trays, cable routings, ducts (man & hand) holes.
    - Site supervision for cable routing & cable trays and panels installation.
    - Attend & approve the Panel board FAT test.
  - SCITRA FACTORY, 6th of October, Egypt: Design of lighting, power network includes cables, circuit breakers, sockets and distribution panels. Add some low current systems.
  - New Suez Tunnel, Egypt: Prepare workshop drawings for lighting cables junction boxes along the tunnel.
  - Eastern (Tobacco) Company, 6th of October, Egypt: Testing & commissioning:
    - Cable Megger test: To check the insulation resistance of the cable and sheath.

- Cable HI-POT test by applying "VLF" for each core: To check the insulation of the cable cores.

- Field of experience :**
- Able to design and layout the electrical systems and prepare Calculations: panel schedule, voltage drop and short circuit using ETAP software.
  - Worked in sizing equipment and preparing the required documents (Drawings, specifications, BOQ's).
  - Prepared shop drawings for some cases and as built drawings.
  - Ability to make Coordination (selectivity) study as I worked for many projects in this section.
  - Good knowledge of ABB Relay & C.B Families and Trip units.
  - Good background about panel design, its verifications and IEC Standard which depend on.