

Holds B. Sc. in Electrical Power & Machines Engineering and M. Sc. in Generation and utilization of energy. Has about 5 years hands-on experience working in design field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/11/1989
Gender : Male
Marital Status : Single
Residence : Dokki, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2011
: M. Sc. in Generation and utilization of energy, Cairo University, 2017

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Visio
: Matlab
: AutoCAD 2D
: ATPDraw (Alternative Transient Program)
: Dialux for Lighting system calculation

TRAINING COURSES AND CERTIFICATIONS

: PLC S7200 Salesian Institute "Don Bosco".
: Automatic Control, Salesian Institute "Don Bosco".
: Design of Electrical Work for projects, from AVIT (Aviation Information Technology Center):

- Lighting.
- Power sockets.
- Load balance.
- Single line diagram.
- Cable sizing.
- Short circuit analysis.

- Design of emergency load.
- Transformer, Diesel generator and UPS sizing.
- Power factor correction calculation.
- : AutoCAD program (from Cairo University).
- : 7 skills for communication and effective communication course (from the Training and Human Resource Development Center).
- : Training in the Middle East Operation & Maintenance for Hydrocarbon Industries Company (4 weeks).
- : Training in Volvo Company (4 weeks).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Jul. 2015 till now
Employer	:	K & A Consultants (Khatib & Alami Consultants)
Job title	:	Electrical Design Engineer
Job Description	:	<ul style="list-style-type: none"> • Ensure responsibilities are fulfilled with a high-quality cost-effectively. • Support Project Managers with responding to client clarifications on technical issues. • Ensure client satisfaction with electrical design deliverables. • Collect internally available data to support project execution. • Support the development of concept electrical designs, including all required drawings and reports for discussion with clients. • Support the coordination with other design specializations (e.g. Architecture, Transportation, Water & Environment, Mechanical) to coordinate design requirements across disciplines for design projects of across all design stages (conceptual, schematic, detailed), as needed. • Support the development of tender documents, including Bills of Quantities. • Assist Project Managers with implementing quality control policies and procedures on design. • Highlighted Projects: <ul style="list-style-type: none"> - Wet Utility Projects (sewage treatment plant): <ul style="list-style-type: none"> ▪ Al Rayes STP (14000 m3/day) at El Madina El Menawara, KSA. ▪ Al Madam STP (2000 m3/day) at Sharjah, UAE. ▪ Al Maliha STP (1500 m3/day) at Sharjah, UAE. ▪ Al Sowaydra STP (18000 m3/day) at Saudi Arabia. ▪ Yamama cement factory employees at El Riyad, KSA. <p>Scope of work:</p> <ul style="list-style-type: none"> ▪ Designing of electrical systems (Lighting, Power & Earthing, Lightning Protection and Low Current) after collecting all the required data from other disciplines, ensuring the design is submitted in accordance with the latest design codes, standards and safety measures. ▪ Estimating the demand load of the project, accordingly sizing the Transformer(s) & the generator (s) needed for the project using calculation sheet and professional software (SpecSizer). ▪ Preparing of single line diagram and panel schedules for main distribution board (MDB), motor control centres (MCC's), distribution boards (DB's) and lighting & power panels (LP's). ▪ Calculating of cables' sizes, Circuit breakers' ratings,

Voltage drop, Short circuit current and capacitor bank for power factor correction using professional calculation sheets dedicated to these purposes.

- Preparing Bills of Quantities.
 - Dry Utility Projects (Utilities Diversion):
 - Jeddah Public Transportation Project (JPTP) at Jeddah, KSA.
- Scope of work:
- Studying the existing networks and topo survey plans to determine the conflicts between electrical networks and the paths and proposing a solution for the conflicts according to authority requirements.
 - Preparing the required reports and Bill of Quantities.

Dates : From Oct. 2014 till Jun. 2015
Employer : Electric Power System Engineering Company (EPS)
Projects : Electrical Infrastructure for all the new cities including but not limited to:

- Borg El-Arab
- Al-Sadat
- 15th May City
- 6th October City

Job title : Junior Electrical Design Engineer
Job Description :

- Estimate the demand load of the project.
- Design of distribution points.
- Design low voltage and medium voltage Infrastructure.
- Design of all components of the network.

Dates : From Apr. 2014 till Sep. 2014
Employer : The Egyptian Engineering Group
Job title : Junior Electrical Design Engineer
Job Description : Designing and Reviewing the Electrical Works for projects.

Dates : From Dec. 2012 till Mar. 2014
Employer : Smart Home Electro-Mechanical Consultant
Job title : Junior Electrical Design Engineer
Job Description :

- Designing of electrical systems (Lighting, Power and Low Current).
- Estimating the demand load of the project, accordingly sizing the Transformer(s) & the generator (s) needed for the project.
- Preparing of single line diagram and panel schedules for main distribution board (MDB), distribution boards (DB's) and lighting & power panels (LP's).
- Calculating of cables' sizes, Circuit breakers' ratings, Voltage drop, Short circuit current and capacitor bank for power factor correction.
- Designing Medium and low voltage networks.
- Preparing Bills of Quantities.
- Projects (lighting, power & low current systems):
 - Hance Medica Hospital.
 - Astra Zeneca Office.
 - CIB Bank El-Moskey branch.
 - El-Abari Hospital.

- El-Abari Club.
- National Bank in Elmahla.
- Infrastructure Designs:
 - Toshka City.
 - Tayez City in Yaman.
- Strategic Plans:
 - Nwaba City (third phase).
 - Sherbien City (first, second & third phase).
 - Manfloud City (second phase).
 - Tahta City (second phase).
 - El-Fashen City (third phase).
 - Esna City (third phase).
 - Ghina City (third phase).
 - Talkha City (second phase).

Dates : From Sep. 2012 till Nov. 2012
Employer : Comex Commercial Company
Job title : Maintenance Engineer