

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 6 years experience with a good command of Designing, Preparing Work Shop Drawings for Electrical Systems in different types of Construction Projects, Evaluating and Reviewing Technical Data of different Electrical Equipment in Construction Projects and a good experience in Execution Supervision and Site Works.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/07/1994
Gender : Male
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2017

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Revit
: Dialux 4.12
: Dialux Evo
: ETAP
: PVSYS

TRAINING COURSES AND CERTIFICATIONS

: PMP, PMI (Aug. 2021).
: Completion of the contract management program in the contracting field with Grade A:

- CLAC030.
- CLAC040.

: Power System Distribution by ISI Academy.
: Revit Electrical Course by Jelecom Academy.
: Classic Control Course under Supervision of Helwan University.

- : PLC Course under Supervision of Helwan University (Siemens S7-300).
- : Online Course about Fundamentals of Solar Energy and PV System.
- : Summer Training in Zewail City of Science and Technology under Supervision of the Engineering Authority of the Armed Forces (Jun./Jul. 2016).
- : Summer Training in Housing Project at Elshrouk City under Supervision of the Engineering Authority of the Armed Forces (Jul./Aug. 2016).
- : Summer Training at Arab Contractors in Directory of Cairo Security Project (Aug./Sep. 2015).
- : Summer Training at Iron and Steel Factory in Helwan (Jul./Aug. 2015).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2019 till now
- Employer** : Egyptian International Gas Technology (GASTEC)
- Projects** : More than 10 PV stations, 50 rapid deployment stations, 20 chill-out stations, 20 stations with Wataniya and 10 stations, integrated stations, more than 20 conversion centers and 15 oil workshops in all over the republic
- Job title** : Electrical Engineer in Projects Department
- Job Description** :
- Prepare detailed design and construction documentation drawings for projects (Lighting / outdoor lighting / Power and equipment / Cable and raceway / Underground utility / manhole / Earthing & lightning).
 - Perform all electrical design engineering calculations (Load schedule / SLD / Short circuit / Voltage drop / Lighting / Lightning protection / Earthing, ...).
 - Perform all light current drawing (Fire alarm / CCTV / Data / ATG / Leak detector / sound / telephone).
 - Prepare scope of work (SOW) and technical specifications of the project.
 - Ensure the correctness, quality, and accuracy of designs.
 - Ensuring the project's compliance with the applicable codes, practices, policies, performance standards and specifications (EC / IEC / NFPA / ...).
 - Liaise with other disciplines for project coordination.
 - Interacting with renter, interpreting their needs and requirements, and representing them in the field.
 - Review Electrical Shop drawings complete with typical details and all needed calculations, Plan, schedule.
 - Approval of all material used in the project through a good study of the catalog's submittal provided for such project task.
 - Perform of test on the material of project (Electrical panels / Lighting fixture / Power fixture / Pipe / ...).
 - Study requests for information (RFIs) for all missing, unclear, conflicting or other technical matters that may arise during construction.
 - Prepare progress reports and release contractor/worker payments.
 - Cooperating and communicating with the project manager and other project participants and collaborating with senior engineers to create more efficient project methods and to maintain the project's profitability.
 - Figuring out Tender scope of works, identify precisely purchaser's Technical & commercial requirements ensuring that foreseen associated risks to the company are addresses and mitigated.

- Define of Proposals pricing, Preparation and Submission strategies ensuring they are in line with company's agreed strategies.
- Engage and lead cross functional team from construction, Quality, HSE, project control, Engineering, Contracts, Finance, procurements and others as appropriate responding to relevant tender requirements collecting accurate data for the preparation of proposals.
- Receive the electrical panels from the panel builder with the application of all the necessary tests.
- Receive all implemented electrical installations according to Egyptian code.
- Inspector review projects to monitor compliance with standards and company expectations.
- Oversee installation, operation, maintenance, or repair to ensure that equipment is installed and functioning according to specifications.
- Pre-resolves any unexpected technical difficulties and other problems at a site that may arise at any time
- Establishing field test and methods for monitoring the quality of those tests.
- Communicating and coordinate with all parties (if applicable) to reach clear agreed division of responsibilities among all parties.
- Attending vendor facilities, as necessary in expediting and follow-up.
- Generating vendor database for the materials, services, and subcontractors.
- Study detailed design for photovoltaic system from PVSYS report and data sheet of material (PV module / inverter / AC panels / DC panels / ...).
- Make site visit to ensure that the works are running according to the accepted offer.
- Receive the PV system from the contractor with the application of all the necessary tests.
- Hand over the PV system to the electricity company responsible for the region after completing all required procedures.
- Coordinating with the civil defense department and fulfilling its requirements in securing station by applying its specifications in fire alarm and firefighting system.

Dates	:	From May 2019 till Jun. 2020
Employer	:	Al Amar Consulting Group (AMG) Egypt Branch One of the largest consulting offices to supervise and implement engineering projects in Egypt and the Gulf countries, classified worldwide.
Job title	:	Electrical Design Engineer
Job Description	:	<ul style="list-style-type: none"> • Pharmaceutical Factory in Oman (REVIT) <ul style="list-style-type: none"> - Design Fire alarm for all the factory. - Calculate electrical load for all panels. - Calculate voltage drop & short circuit for all panels. - Making an inventory of all systems with an estimate BOQ of the work. - Preparing all documents for the project proposal. • Residential District in Syria (REVIT): <ul style="list-style-type: none"> - Design lighting and power system for 3 class of residential building. - Design light current system (fire alarm / telephone / data) for 3 class

of residential building.

- Design and calculate the main single line diagram.
 - Calculate voltage drop & short circuit for all panels.
 - Design and calculate the main riser diagram for light current system.
 - Making an inventory of all systems with an estimate BOQ of the work.
 - Conducting meetings with the Mechanical and Architectural Department to prepare the works.
 - Communicate with the client to determine the requirements to be designed.
- Canadian University in the Administrative Capital (AUTOCAD):
 - Prepare all shop drawing for all electrical system.
 - Celia Project in 5th Settlement (REVIT):
 - Design all power and light current system for Celia club.
 - Design all power and light current system for Celia school.
 - Design all power and light current system for 3 class of Celia villas.
 - Design all power and light current system for Celia mall.
 - Calculate and design the infra-structure for the project.
 - Making an inventory of all systems with an estimate BOQ of the work.
 - Design and calculate the PV system that will use in villas.
 - Preparing all documents for the project proposal.

Dates : From Mar. 2018 till Mar. 2019
Employer : Egyptian Black Sand Co.
Job Description :

- Electrical Design review submitted by Mineral Technology.
- Design street lighting for the factory headquarter.
- Studying the technical offers submitted by suppliers and making technical evaluations of these offers.
- Preparing all letters and correspondences necessary for the issuance of electricity and Gas license and conducting inspections on site.
- Preparing reports on the status of the site with periodic meetings to discuss the progress of work.
- Creating an archive by monitoring all documents and letters while keeping them in files that are easy to refer to.

Dates : From Oct. 2017 till Jun. 2019
Employer : Electromechanical Design Group (EDG) (MEP Consultant)
Job title : Electrical Engineer
Job Description :

- Detco Factory:
 - Design lighting and power system.
 - Design light current system (fire alarm / cctv / telephone / data / access control).
 - Design and calculate the main single line diagram.
 - Calculate the short circuit and voltage drop.
 - Prepare scope of work (BOQ) and technical specifications of the project.
 - Design Electrical Shop drawings complete with typical details and all needed calculations.
 - Plan, schedule.

- New Giza District:
 - Design lighting and power system.
 - Design light current system (fire alarm / telephone / data).
 - Supervising the implementation work within the site.
 - Approval of all submittals used on the site.
 - Design Electrical Shop drawings complete with typical details and all needed calculations.
 - Plan, schedule.