

Holds a B. Sc. and a Diploma in Electrical Power & Machines Engineering and has about 4 years hands-on experience working in construction and technical office.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/11/1988
Gender : Male
Marital Status : Married
Residence : Sharkia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2011
: Diploma in Electrical Power & Machines Engineering, Zagazig University

LANGUAGES

Arabic : Native Language
English : Very Good
French : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D & 3D
: Revit
: Electrical analysis software
: Adobe Photoshop CS

TRAINING COURSES AND CERTIFICATIONS

: Basic on microcontroller.
: Power system Distribution.
: Power System protection.
: Control of Power system.
: Power system reliability.
: DIALUX program for lighting design.
: ETAP program calculation for S.C and V.D.
: Basics of PLC.
: PLC Advanced.

- : SCADA Systems.
- : Green Building System LEED – GA.
- : Summer Training at El-Kantra Transmission Station (Jul. 2008).
- : Summer Training in Al-Ahram Beverage Company (Jul. 2009).
- : Training in Al-Almia for Walling (Jul. 2010).
- : Training in Faculty's Workshops (6 weeks in electrical motors, cables, lighting, electronics and Control) (2007).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2013 till now
- Employer** : United Group Contractor
- Job Description** : Lead Electrical Engineer in the following projects:
- Club House – 5th Settlement (New Cairo City), EGYPT: The project involves construction of integrated health club with spa, gym, squash halls, ignite, football playgrounds, kids area, aqua park, social building and swimming pools with car parking space (Electrical Site Engineer (supervision)).
 - TAO Restaurant (Dusit Thani Hotel) (New Cairo City), EGYPT: The project involves construction of many counters with it's entire electrical panels which introduce some kinds of food (Asian food), dimming system for lighting, I design the main electrical panels in this project and make all V.D, short circuit calculation and shop drawing for this project (Lead Electrical Engineer).
 - The Lakeview villas (complex 120 Villas): Electrical Site Engineer (supervision).
 - New Gym (Dusit Thani Hotel): Electrical Site Engineer (supervision).
- Field of experience** :
- Ensure that Engineering Design is compliant with client requirements and all relevant national & international rules and regulations.
 - Review all related Materials submittal, shop drawings, full responsibility to close /solve all site clarification requests.
 - Review all the submittals for DEWA submission includes calculations for (V.D, PF correction, LV schematics, Load Schedules...
 - Review all approval submittal and drawings for authorities (DEWA, Dubai Civil Defence, Trakness, Dubai municipality & RTA).
 - Provide completely engineered solar PV Systems inclusive of all racking systems, electrical collection system, inverters and balance of plant, solar PV layout, from distributed generation to utility scale.
 - Lead delivery of power systems studies including short circuit, arc flash, load flow, coordination and others.
 - Lead / coordinate all engineering consultants in site design, step up transformer, transmission and interconnection designs.
 - Devise new approaches to problems, and prepare or modify drawings, specifications, calculations, charts and graphs, and monitor work for compliance to applicable codes.
 - Responsible for installation of projects power, lighting, low current (MV - LV) networks, pocket substations, and all installation of street light poles on road & highway works, solar PV, CSP, wind and energy storage projects.

- Assist corresponding Engineers in checking site works and make inspection requests.
- Put into place quality assurance procedures to ensure that procedures for review and inspection of installations are maintained throughout the project period.
- Lead small to medium multi-disciplined engineering team(s).
- Attend all site meetings and reviewing weekly and monthly reports.
- Prepare detailed written daily reports on progress and details of inspection.
- Assign and coordinate work with the others activities and making modification & recommend for other solution.
- Review of the land-use master plan, design, tender documents and supervision of construction for all infrastructure & grading works.
- Prepare the monthly payment & estimate the variations as per site conditions.
- Resolving many technical difficult and other problems during the project.
- Perform a variety of field and laboratory tests to assure workmanship & materials meet the standards.
- Take immediate actions to solve / resolve all problems and troubleshoot them, in order to run the projects effectively and efficiently.
- Assure the execution of the needs and requirements of the client as well.
- Witness testing and commissioning and performance of various plant and systems. Issue 'Handing Over' certificate for completed work.
- Activities are as follows:
 - Normal lighting System.
 - Central Battery System for Emergency Lighting.
 - Small power distribution system.
 - UPS System.
 - Fire alarm system.
 - CCTV System.
 - Access control system.
 - Structure cabling system.
 - Lightening protection system.
 - Public address system.
- Technical Skills:
 - Good understanding of engineering principles, techniques, various construction types and installation procedures.
 - Professional in presenting ideas and projects, either manually or using computer software's.
 - Well-versed with international codes such as BS, NFPA, LEED and local requirements/procedures for DM, Civil Defense, DEWA, RTA, EHS, QCS2010.
- Experience of using Autodesk Revit software.
- Experience of Building management system (BMS).