

**100634-ELE-456CDE-E-2016**  
**Electrical Design & Supervision Engineer**

Holds a B. Sc. in Electrical Power & Control Engineering and has over 4 years hands-on experience in Electrical design, consultancy services, shop drawings, Construction supervision and technical office works. Understanding and flexible approach in conforming to both local and international codes & standards (IEC, BS, NEC, DPS-SEC.....).

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 06/10/1993  
Gender : Male  
Marital Status : Single  
Residence : Menoufia

## EDUCATION

: B. Sc. in Electrical Power & Control Engineering, Benha University, 2016  
: Secondary Education: Ahmed El-Refaey Sobh School, 2011

## LANGUAGES

Arabic : Native Language  
English : Fluent  
French : Basics

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: MS Project  
: DIALux 4.13 & DIALux EVO 4  
: AutoCAD  
: Ecodial & ETAP  
: Matlab  
: Revit

## TRAINING COURSES AND CERTIFICATIONS

: Project Management online course including methodology, tool sets and documentation, and the project life cycle including analysis, planning, design and evaluation.  
: PLC Basics at Jelecom Egypt Company.  
: Advanced Classic Control at Jelecom Egypt Company.

- : Light Current (Fire Alarm - CCTV - SMATV - Access Control - Intercom - Telephone System - Sound System - Computer Networks) at Jelecom Egypt Company.
- : Power System Distribution at Jelecom Egypt Company.
- : Electrical Training Course at MACO (Nasr Co. for the manufacture of transformers and electrical products) - Training focused on: Different sizes of transformers, transformer components from the inside and their manufacture.
- : Switchgears, L.V Distribution Panels and Protection Equipment at South Cairo Electricity Distribution Company - SCEDC.
- : L.V & M.V Underground Cables at South Cairo Electricity Distribution Company - SCEDC.
- : Testing and Failure Determination for Underground Cables with Special Vehicle at South Cairo Electricity Distribution Company - SCEDC.
- : Training at Orascom construction Company in VGK (Village Gardens Katameya) as a Site Electrical Engineer (Jul. 2015).
- : Training at Shoubra El-Kheima Power Station (summer 2014).
- : Training at Qaha Transformers Station (summer 2014).
- : Training at Mini Wafer for biscuits at El-Sadat City (summer 2013).
- : Training at Toshiba El Araby Visual Products Company - TEVP (summer 2013).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2018 till now
- Employer** : Diar Consulting Group, Cairo
- Job title** : Electrical Design & Supervision Engineer
- Job Description** :
- Prepare project proposals and technical reports.
  - Preparing design criteria (Basic of Design Report) for the project and making the electrical load estimation.
  - Calculations according to project's regulations and standards.
  - Voltage drop, short circuit, Earthing and lightning calculations.
  - Preparing single line diagram, panel board schedules, feeder data.
  - Design review and value engineering for several projects.
  - Design of low voltage network (distribution of power system, space program, cables routing, panel board, choosing of suitable cable according to rated current, voltage drop calculation, short circuit calculation, electrical heat tracing and hazard area classifications).
  - Design of lighting system (computerized lighting calculation and determine luminaires type, size and shape of light source depending on locations of use and according to architectural design).
  - Using Dialux 4.13 software with the latest version of plug-in and catalogues.
  - Provide technical expertise in complex electrical systems solutions.
  - Prepare sketch drawings in sufficient detail to enable draughts persons to produce satisfactory detailed drawings.
  - Electrical Site Engineer, construction supervision.
  - Prepare electrical shop drawing layouts.
  - Follow up construction works with construction team.
  - Prepare all project documents (PTW, MOS, RFI, IR...etc.).

- Follow up work progress and queries with the consultant.
- Testing and pre-commissioning for all elec. systems.
- Mechanical completion, commissioning and start-up.
- Dossiers preparing, review, hand over to client prior demonization.

**Dates** : From Mar. 2017 till Mar. 2018 (part time)

**Employer** : Diar Consulting Group, Cairo

**Job title** : Electrical Engineer

**Job Description** :

- Prepare projects specifications and BOQ.
- Electrical design and shop drawings.
- Electrical Site Engineer, construction supervision.

**Dates** : From Aug. 2016 till Jan. 2017

**Employer** : Senyorita for snacks, 6 October City

**Job title** : Electrical Engineer

**Job Description** :

- Perform Scheduled Maintenance.
- Repair Electrical Systems.
- Troubleshoot Malfunctions.
- Supervise Electrical Technicians.

**Further experiences** : MEP Coordinator for project (Qurum City Center - Oman) Muscat, Oman:

- Follow up work progress and queries with the consultant.
- Testing and pre-commissioning for all electro-mechanical systems.
- Mechanical completion, commissioning and start-up.
- Dossiers preparing, review, hand over to client prior demonization.

**Field of experience** :

- Design and shop drawing responsibilities for electrical systems include the following major deliverables and provide the following major services:
  - Prepare project proposals and design reports.
  - Prepare project tender documents and bill of quantities.
  - Electrical design of different systems, management of design for industrial and buildings projects.
  - Single line diagrams, Low and medium voltage networks.
  - Infrastructure design, lighting, raceways, cable routing, grounding, lightning, electrical heat tracing and hazard area classifications.
  - Power cable routing, cable trays design and selection.
  - Calculations (lighting calculations, panel board schedules, grounding, short circuit, voltage drop study).
  - Prepare specifications and data sheets.
  - Shop drawings for electrical and low current systems.
  - Value engineering and design verifications reports.
- Construction supervision responsibilities for electrical systems include and provide the following major services:
  - Revise all related documents of the project (method statement, risk assessment, execution plan), scheduled invoices, RFI's, NCR's, ....etc.
  - Revise and approve on shop drawings and material submittals.
  - Daily contact with the contractor construction engineer to provide

guidance as per installation codes, standards and approved (stamped) drawings and receive feedback on progress of work.

- FAT and SAT for transformers, generators, power cables, raceways, and panel boards.
- Follow-up the progress of site construction works.
- Project controls practices and process improvement to ensure wide consistency, enhance communication and improve client satisfaction.
- Pre-Commissioning and commissioning for electrical systems.

### **Projects:**

- Oil & Gas:
  - TOTAL Oil Product Storage and Blending Alexandria (OPSBA) Extension - design and Site supervision Alexandria / Egypt.
  - SHELL Lubricant Oil Blending Plant (LOBP) Expansion - design and Site supervision / 6th October / Egypt.
  - PETRODARA & WESTBAKR earthing system project - design and Site supervision / Rasgarib / Egypt.
  - PETROGALF Lightning system project - design / Rasgarib / Egypt.
- Hospitals:
  - Solaiman El Habib Hospital - shop drawing / El Khobar / KSA.
  - Al Mosaa Hospital - shop drawing / El Khobar / KSA.
  - El Mehwar Hospital - design / 6th October City.
  - The Assema hospital - design and supervision / Giza / Egypt.
  - ABC Medical center - design and supervision / Giza / Egypt.
  - Damietta new epidemic institute – shop drawing.
  - Maadi military hospital, bunker room - shop drawing.
  - Air force hospital, bunker room - shop drawing.
  - Wadi EL Nile hospital, bunker room - shop drawing.
  - El Galaa military hospital, bunker room - shop drawing.
  - Mustafa Kamel military hospital, bunker room - shop drawing.
- Industrial:
  - Shell LOBP Expansion Project - design and supervision / 6th October / Egypt.
  - OPSBA Lubricants Egypt - design project / Alexandria / Egypt.
  - Orascom ACOTEC plant - design project / Cairo / Egypt.
  - Pepsico factory energy and water map upgrade / 6th October / Egypt.
  - Pepsico factory CO2 system map instrumentation installations / 6th October / Egypt.
  - Pepsico factory new chiller plant installation / 6th October / Egypt.
  - Serio-Plast new factory - design and supervision / 6th October / Egypt.
  - El Amerya water station low voltage network renovation.
  - Electrolux new laboratory - design.
  - El Shark fuel/gas station - design.
- Hotels:
  - El Galala mountain hotel - shop drawing / Zaafarana-El Sokhna

- way.
- Mahayel Hotel - design / KSA.
- NANSC hotel - design and supervision / Hurghada.
- Educational:
  - Faculty of Arts, King Abd-Allah University / KSA.
  - King Abdul Aziz University, Girl's Faculties at Faysaliah / KSA.
  - King Saud University, Girl's University Buildings / KSA.
  - Alamein New University, Faculties of Engineering Science and Information Technologies BLD#09 and #10 / Egypt.
  - Bedaya School New Extensions / Cairo / Egypt.
  - Seven Pillars International School / Cairo / Egypt.
- Residential:
  - Kakkia Residential Compound, Holy Makkah / KSA.
  - Alfareeda Residential Community Project / KSA.
  - El Kattamya Heights Residential Buildings, Cairo, Egypt.
  - Up-Town Cairo Z3 Project – Enmaa Misr for Development / Egypt.
  - Arab Contractors Rest Building, El Kattamya Partition 74 Southern Area.
  - Abu Kabeer Tower / El Sharkya / Egypt.
  - Alamein Down Town Infrastructure Project - Shop Drawing / Egypt.
- Commercial:
  - Souq Misr / Cairo / Egypt.
  - Agora Mall / 5th Settlement / New Cairo / Egypt.
  - Faby Land, Porto Cairo Mall / New Cairo / Egypt.
  - Cairo Cargo City, Cairo International Airport, Egypt.
- Administration:
  - NATA Gas new admin building / El Salheya.
  - El Sewedy New Building / New Cairo / Egypt.
  - El Mansoura 2 buildings / New Administrative Capital.
  - El Shumaisy buildings project / KSA.
  - Hurghada Control Tower Renovation / Egypt.
  - UPS system renovation for Hurghada Terminal Approach TMA building / Hurghada / Egypt.