

Holds a B. Sc. in Electrical Engineering and has over 13 years hands-on experience in quality Electrical engineering in various scopes as providing full electric system design, on site supervision or Electrical system studies.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 30/10/1984  
Gender : Male  
Marital Status : Single  
Residence : Heliopolis, Cairo

## EDUCATION

- : B. Sc. in Electrical Engineering, Benha University, 2007
- : Secondary Education: St. Fatima Language School (IGCSE Dept. – Cambridge University)

## LANGUAGES

Arabic : Native Language  
English : Fluent  
French : Basics

## COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : AutoCAD (2007 – 2019), SKM, ETAP, RELUX, DIALUX MATLAB, Ecodial
- : Autodesk Revit MEP 2015

## TRAINING COURSES AND CERTIFICATIONS

- : Leadership in Energy and Environmental Design (LEED) (Design Green Building) - The American University in Cairo (May 2017).
- : Project Management Professional (PMP) course (Aug. 2013).
- : Cisco Certified Network Associate CCNA (Cisco ID: CSC011323362) (Oct. 2007).
- : Electrical Design Training at Electro George switchgear (GE - AREVA license) (summer 2004):
  - In design dept. for electrical projects – and in the factory for Quality settings the electrical components as designed.
  - Design of Panel Builder & MV – LV Switchgear.

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Aug. 2019 till now  
**Employer** : AQAR MASR for Real Estate Development (ANAKAJI new capital)  
**Job title** : Electrical Site Manager  
**Job Description** :

- Owner Representative to resolve Electrical Issues (Design, Local Authorities approvals & on site execution).
- Coordinate with the Design Engineering on constructability issues relating to Electrical discipline and codes.
- Prepare full shop drawings for electrical work & quantity survey.
- Generally responsible for implementations and monitoring of all electrical related works (Experience in low voltage and light current operation) at site.
- Manage Construction Schedules, Prepare punch list items when the work is ready for Initial Acceptance, issue the punch list and work with the contractor to track and close it in a timely manner.
- Conduct surveillance inspections, hold point release inspections and witness other inspections.
- Check and Review Contractor's monthly invoice for quantities of work performed during the period.
- Estimate, prepare and assign the resources such as manpower, materials, consumables, equipment, cost, tools, etc., required for all electrical and related works prior to execution.
- Conduct System Testing.
- Plan and analyse all possible construction methodologies, value Engineering opportunities and recommends the best s prior to execution at site.

**Dates** : From May 2016 till Aug. 2019  
**Employer** : ARDIC - Zizinia Real Estate Development  
**Job title** : Senior Electrical Engineer  
**Job Description** :

- Owner Representative responsible Resident on site on behalf as Site Electrical Owner to co-ordinate and supervise the works and to ensure implementation of the works fully in conformity with the agreed Contract Specifications for the company complex building project.
- Track and control Contractors' construction schedules and associated costs to achieve completion of projects within time and monies allocated, site inspection, erection, co-ordination between different Contractors and Employer, site safety, quality, interface management.
- Supervise & manage project staffing and schedules related to the day-to-day vertical construction aspects of projects & review progress reports, check on any reported difficulties, and correct any safety violations or other reported deficiencies.
- Review of engineering drawings to make sure that all specifications and regulations are being followed.
- Lead in executing a strategic plan, as it relates to construction, by establishing priorities and determining resource allocation for efficient and effective delivery of the construction project with Familiarity with QA procedures.
- Oversee selection and coordination of subcontractors working on various

phases of its large scale project.

- Responsible for monitoring all the commissioning activities related to Electrical and I&C and all the MEP tasks for all Zizinia past and on-going scope of works of the projects.
- Coordination with the Contractor's supervisory personnel regarding schedule, sequence and method of work.
- Stimulate change and improvement, assess proposals of subordinates as well as to propose change or improvement of processes and products to higher management; knowledge of Project Management Processes.
- Maintain documentations of all engineering tasks performed for future reference purposes and approvals and contracts with a deep good knowledge of FIDIC contracts procedures.
- Plan and co-ordinate site manpower requirements.
- Insure all workers comply with safety standards.
- Deal with the Local Authorities to get all the approvals and permits required.
- Taking the lead role as the sustainability coordinator for Egypt first worship building Mosque to follow the LEED standard for green buildings (concept, design and applications and construction).
- Certified Internal Auditor according to ISO 90001.

<b>Dates</b>	:	From Feb. 2015 till Oct. 2015
<b>Employer</b>	:	El-Gammal Industrial Systems
<b>Job title</b>	:	Electrical and Automation Engineering Department Senior
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• Set electrical and automation preventive/predictive tasks and plans for factory machinery, equipment and buildings.</li><li>• Supervise related maintenance/project contract ring teams.</li><li>• Take the initiatives and propose idea/projects for energy sustainability.</li><li>• Handle project improvement and updated requirements to ensure reliability, sustainability and safety of electrical distribution infrastructure.</li><li>• Ensure automation and electrical installation is done in line with codes guidelines and procedures.</li><li>• Provide and prepare design/analytical electrical engineering and drawings for projects and proposals to assure that design and equipment meets customer specifications and industry codes and standards (i.e: Project electrical power feedings drawings, automation, services &amp; lighting, cabling selection and routing &amp; testing on site compliance).</li><li>• Provide Design for the electrical Panel Layout and component arrangement for the company panel builder Workshop to develop Manufacturing.</li><li>• Prepare feasibility study investigations.</li><li>• Attend client meetings and prepare reports.</li><li>• Manage proposal preparation, design review and assist the managers in project management and project BOQ and quantities and material selection and recommend suppliers for purchasing.</li></ul>

<b>Dates</b>	:	From Sep. 2014 till Jan. 2015
<b>Employer</b>	:	EVIC - Engineering Values International Consultant
<b>Job title</b>	:	Senior Electrical Engineer

**Job Description** : 

- Provide electrical engineering skills to support the development of conceptual design, preparation of plans and specifications and development of electrical load flow analysis for power generation and distribution systems.
- Revise interpreting engineering methods and approaches in tendering phase, design criteria, design concept and design layouts, drawings, and specifications; integrate construction schedules; review preliminary and final designs, plans, and specifications to ensure projects support theater objectives.
- Prepare, as required, necessary correspondence, technical reports, contract documents, fact sheets, and status reports as required.
- Assist in reviewing architect, statements of work (SOW) design calculations, cost estimates, analyses, drawings, and specifications as required.
- Provide design/analytical electrical engineering for projects and proposals to assure that design and equipment meets customer specifications and industry codes and standards.
- Participate in a multi-disciplinary environment in determining electrical infrastructure required for the project.
- Design for the Electrical system: M.V and L.V systems, conventional for power distribution equipment, lighting system, Earthing and grounding and lightning protections, Low current systems (fire alarm, telephone and data, MATV, sound system).

**Dates** : From Jan. 2010 till Aug. 2014

**Employer** : IBEC - Integrated Bureau for Engineering & Consultations

**Job title** : Electrical Design Engineer

**Job Description** : 

- Managing complex electrical projects from concept to completion, through conceptual design and design development, detailed design and tender drawings for the electrical services.
- Managing client relationships and coordinating with contractors.
- Design of electrical distribution systems, low and medium voltage switchgear (distribution boards).
- Design of conventional control schemes for power distribution equipment.
- Electrical safety implementation and development of safety standards.
- Short circuit studies & Coordination and selectivity studies.
- Perform and Single Line Diagram for the system, cable calculation, voltage drop and cable tray drawings.
- Lighting (Illumination) design using various lighting software.
- On Site supervision, Project execution follow up, Contractor acceptance and shop drawings review.

**Dates** : From Sep. 2008 till Mar. 2009

**Employer** : LINKdotNET (Internet Service Provider)

**Job title** : Technical Support Engineer

**Job Description** : 

- Technical support (in DSL network team).
- Investigate technical connection problems.
- Solve DSL technical problem from company side.
- Send technician to complete my investigation.

### **Projects handled:**

- Designed Electrical distribution system:
  - Hard Rock Café NAQ Bay – Sharm El-Sheik (Transformer, generator, UPS and panels beside the electrical layout design specially for lighting systems for Hard Rock special requirements).
  - Magronite Factory - Largest Marble and Granite Factory in Egypt (Equipment feeders, routing and Whole electrical system build up and Infrastructure).
  - New Pampers Factory - Proctor & Gamble Egypt Plant.
  - Hurghada Airport ATC Tower (the special electrical connections for the airport tower and providing several option for how can system by redundant 2TR+2G+2UPS).
  - NATIONAL GLASS INDUSTRIES CO. (ZOUJAJ - Saudi) (Equipment feeders, routing and whole electrical system build up: 3x13.8KV, 60Hz lines to 7 substation TRs 3.125 MVA).
  - LUNA PAC Pharmaceutical Factory (Pharmaceutical design techniques and Medical Healthcare industry codes followed).
  - CentrePoint Outlet Shop (decorative electrical design + lighting).
  - Proctor & Gamble – Cairo Plant – New Pampers External Lighting (biggest external lighting project through out the consultant period for the whole new P&G plant).
  - Restraints: 1First Nile Boat - Fish Market Katameya.
  - Solar System Photovoltaic (SSPV) On Grid Electrical System: Alex Gleem, Sidi Krir, Helmeya & Khanka Projects (40kW, 80kw & 40kW cells PV system).
  - Helena cement plant (Italcementi Group) - LINE 1 ALTERNATIVE FUEL project (Electrical and automation system design layouts and manufacturing preparation).
  - LAFARGE KARBLAA Cement Project Iraq - Hamon Research-Cottrell (Electrical and automation system design, lighting, earthling and cable routing layouts and Panels and materials manufacturing preparation).
- Value Engineering for:
  - EVA Pharm Egypt (Cost and technical evaluation – 150k cost reduction): Design review and adjustment & Shop drawings revision, comments and approvals.
  - Pfizer Saudi (Basic technical Amendment for more reliable system): Following all the electric codes for medical and Healthcare sites and infra-structure recordination.
- On Site Supervision:
  - Bangladesh Mobile Company MSC - Banglalink (3 months testing and commissioning): Switch and Data center infrastructure building up project and site supervision.
  - Vodafone – Dallah Tower – Renovation (7 months FULL SITE SUPERVISION the Resident project execution, project management skills = budgeting, scheduling and also good experience in contractor's supervision, electrical Installations and accepting & testing equipments and Electrical materials, shop drawing and AsBuilt drawings approvals).
  - Mall of Arabia – Cinema complex Acceptance (1 month approving electrical contracting): Shop Drawings review, testing and commixing all site and handing over from contractor to start-up phase.

- Implemented Electrical Power system Short circuit study (SKM Program): short circuit studies, protective device coordination, arc flash & flash hazard analysis:
  - Proctor & Gamble - Cairo Plant (whole factory co-ordination of 20 Transformers and its MDB feeders to loads): Power Plant 66/22KV to 7 MV Substations to 20 Transformers & Infrastructure.
  - Proctor & Gamble - Poland Targowek Plant (M.V and L.V side selectivity and electrical short circuit and Hazard study).
- Resident Engineer: Owner Representative: Zizinia Mostakbal City:
  - Residential complex building compound project (including design revision, infrastructure H.V/M.V/LV network throughout all the project, day-to-day construction of electrical works compliance and approvals).
  - Also including Mall, nursery & commercial facility buildings.
  - Design (a best fit), review offers, test and install a PV solar system of 30kW in each of a 30 building complex.
- Resident Engineer: Owner Representative: ANAKAJI CAIRO NEW CAPITAL (CURRENT).