

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 12 years of experience in the fields of construction. His experience covers the project design drawings for various electrical systems, technical calculations, specification preparation, BOQ, follow up bid analysis, applying value engineering methodology to construction projects; shop drawings review in addition to the technical submittal review and supervising the construction by weekly visits.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1983
Gender : Male

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Shoubra University, 2005

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: Revit
: Dialux

TRAINING COURSES AND CERTIFICATIONS

: ETAP
: Value Engineer Course, AUC.
: AUC English Course.
: Control Course.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2014 till now
Employer : ECG Engineering Consultants Group S.A., Cairo

- Job Description** : • **Principal Electrical Engineer (from Jan. 2016 till now):**
- Duties include preparing electrical design drawings, documents, and calculations; implementing specific engineering work in accordance with the work program of each project; directing and supervising the design activities of subordinate electrical engineers; providing relevant engineering support and advice to project teams; verifying that all electrical design drawings and documents comply with current codes and standards and with corporate policies and manuals; and preparing design criteria, basic designs, detailed specifications, bills of quantities, and tender documents for the electrical systems of the following project:
 - Al Masah Mixed-Use Development at the New Capital Site, Egypt. The client is developing approximately 80 feddans located at the New Capital. The aim of the development is to construct a high-end, luxurious presidential hotel. The project comprises hotel buildings, conference summit hall, mall, chalets, day-use villas, and a golf course in addition two central chiller plants, landscape area, dancing fountain and lagoons.
 - The scope of work involves all the design phases as a core team leader for all the project including the site infrastructure, all the project buildings in addition to the technical submittal review, as well as MEP design coordination between all ECG branches.
 - Follow up the construction works in the site by a weekly visit.
 - **Senior Electrical Engineer (from Nov. 2015 till Jan. 2016):**
 - Duties included developing design drawings related to lighting systems, power systems, and infrastructure networks; preparing panel schedules; sizing cables; preparing contract documents; organizing and supervising the work of electrical engineers and draftsmen; providing technical support and advice to project teams; verifying that all design drawings and documents comply with current codes and standards and with corporate policies and manuals; and liaising with consulting engineers and contractors on all matters necessary for the implementation of the work programs of the following project:
 - Mountain View Kuwadico, Egypt. The project is set to be developed as a mixed-use development on an area of approximately 216 feddans. The scope of work involves the design of site infrastructure, plus all utility buildings, as well as MEP design for 10 types of buildings (each with a basement, ground floor, first floor, and 25% roof).
 - **Senior Specifications Engineer (from 2014 till Nov. 2015):**
 - Duties included preparing detailed specifications (CSI, NBS, QCS) for projects, vendor list, value engineering, bid analysis, tender evaluation, submittal review as well as data collection; review of basic analysis done by the team leaders for all project stages from the concept design up to the construction stage; consultation with architects and clients' representatives to determine suitability of materials provided; preparation of special reports on products; coordination among architects and engineers for measuring quantities, familiarization with current publications regarding availability and standards; inspection of products to insure

compliance with specifications; providing information and assistance to project teams on specifications; applying the international regulation governing the requirements of specifications for the following projects:

- Kigali Bulk Water Project, Rwanda.
- Sumou Sales Center, Saudi Arabia.
- Call-off Design Consultancy Services for City Gate Hurghada, Egypt.
- Infectious Diseases Hospital Expansion, Kuwait.
- Soma Bay Projects, Egypt.
- Life Style Estate Oriana Development (Phase 3), Egypt.
- New Chemical Plant at Wadi Al-Natroun Industrial Area, Egypt.
- Smouha Mixed-Use Towers, Egypt.
- KAEC IV Warehouse Park, Saudi Arabia.
- ADNOC Petroleum Institute Infrastructure, UAE.
- Porto Al-Sokhna at Caribbean Bay Zone, Egypt.
- HVAC System Redesign at Amer Group Headquarters, Egypt.
- New Fire Station No. 6 at Ras Laffan, Qatar.
- Impoundment Complex for the General Execution Administration, Kuwait.
- Unilever Factory, Egypt.
- Auditorium in Ras Laffan Industrial City, Qatar.
- Master Plan for Zakho University, Iraq.
- Mountain View Hyde Park, Egypt.
- Al-Waha V1-P2 Infrastructure Design & Supervision, Saudi Arabia.
- Public Prosecution Office Building, Oman.
- Al-Waha V1-P2 Buildings, Landscape Design and Supervision, Saudi Arabia.

- Dates** : From 2008 till 2013
- Employer** : Allied Consultants Group, Egypt
- Job title** : Senior Electrical Engineer
- Job Description** : Duties included supervising and following up staff performance; preparing electrical design drawings; conducting technical calculations and preparing specifications for medium-voltage networks and substations; Performing value engineering activities and analyzing bids; supervising the construction and commissioning of electrical services (including transformers, substations, and power networks, as well as lighting, earthing, lightning protection, fire alarm, sound, telephone, security, and control systems); preparing technical calculations (including load flow, short circuit, motor starting, harmonic, transient stability, optimal power flow, and relay protection coordination analyses); and conducting reliability assessments using ETAP (Electrical Transient and Analysis Program) for the following projects:
- Jabal Omar District Cooling Plant (54MW), Saudi Arabia.
 - Business Bay District Cooling Plant (50MW), Dubai, UAE.
 - Cairo Festival City District Cooling Plant (25MW), Egypt.
 - Yas Island District Cooling Plant Y101 and Y102, 54MW for each, Abu Dhabi, UAE.
 - Lusail District Cooling Plant (92MW), Qatar.
 - Brawa District Cooling Plants (22MW), Egypt.

- Bahrain Bay Utilities District Cooling Plant (45MW), Bahrain.
- Asfour Cardiac & Burns Hospital, Cairo, Egypt.
- Tiara Tower, Dubai, UAE.
- Tamale Teaching Hospital, Tamale, Ghana.
- Virgin Guadalupe Hospital, Malabo, Guinea.
- APM (Automated People Mover), Cairo, Egypt.
- Resort Cove Town Center in Saudi Arabia.
- Danet Tower, Abu Dhabi, UAE.
- Arkan Industrial Park, Abu Dhabi, UAE.
- Bin Samikh Hotel, Qatar.
- Aramco District Cooling Plant (25MW), Saudi Arabia.
- Sea water RO potable water Jubal, Saudi Arabia.
- Abraj Kudai (shop drawings), Saudi Arabia.

Dates : From 2007 till 2008

Employer : MAK Engineering Consultants, Egypt

Job title : Junior Electrical Design Engineer

Job Description : Duties included performing the electrical design drawings; conducting technical calculations for electrical services, including transformers, substations, power networks, infrastructure works, as well as lighting, earthing, lightning protection, fire alarm, sound, telephone, security and control systems, for the following projects:

- Dead Sea Residential Compound (including Infrastructure), Jordan.
- Royal Garden Hotel.
- Savoy Hotel.
- Mena Sumid Building.
- Mena Garden City.
- DAMAC Sales Office in Hurghada.
- Rain Forest Café at Citystars Cairo, Egypt.
- Alexandria Bank (Cairo Branch, Egypt).
- Sheraton Hotel Renovation, Cairo, Egypt.
- Plantation residential Complex Infrastructure, UAE.

Dates : From 2005 till 2007

Employer : Arab Contractors (Osman Ahmed Osman & Co.), Egypt

Project : Cairo Bank on Salah Salem St., Egypt

Job title : Electrical Engineer

Job Description : Duties included supervising the installation, testing, and commissioning activities of a medium- and low-voltage power station (four transformers and two generators); supervising and following up staff performance; and supervising the installation, testing, and commissioning activities of a UPS Station (1MW).

Field of experience : • Over 12 years of experience (3 with ECG) in the fields of construction, my experience covers the project design drawings for various electrical systems, technical calculations, specification preparation, BOQ, follow up bid analysis, applying value engineering methodology to construction projects; shop drawings review in addition to the technical submittal review and supervising the construction by weekly visits.

- Experience also covers performing technical calculations (including load flow, short circuit, motor starting, harmonic, transient stability, optimal power flow, and relay protection coordination analyses); and conducting reliability assessments using ETAP (Electrical Transient and Analysis Program).
- Capable of managing mega projects and to coordinate with other disciplines in all project stages.
- Familiar with gulf cities regulations, (FIDIC) red book conditions of contract.