

103057-ELE-D-E-2014
Junior Electrical Design Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 3 years experience in the analysis and design of projects, including the lighting, power and cable routing network of buildings. Taking part in projects using software in calculations and design according to standards and regulations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/08/1992
Gender : Female
Marital Status : Single
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2014
: Secondary Education: Fadl Modern High School, Giza, Cairo, 2009

LANGUAGES

Arabic : Native Language
English : Fluent
French : Basics

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MATLAB
: MATLAB Simulink
: AutoCAD
: Dialux & ETAP

TRAINING COURSES AND CERTIFICATIONS

: Dialux EVO software, Engineering Consultants Group, Cairo, Egypt (Feb. 2015).
: Revit, Engineering Consultants Group, Cairo, Egypt (Oct. 2015).
: Training at EHAF for 1 month: learnt the elements of any electrical engineer and about the field in general.
: Internship in E-Consult for 3 months: learnt how to use AutoCAD in professional way.
: Attended soft-skills sessions sponsored by Vodafone Egypt (Aug. 2011).

- : Enrolled in a training program with Arab Contractors, INC (Jun. 2011).
- : Took a self-funded AutoCAD 2D course (Sep. 2011).
- : Took self-funded MATLAB (introduction, programming and simulation) courses (Jan. 2012).
- : Attended a session in PepsiCo. about communication skills and how to express your feelings effectively (Feb. 2012).
- : Went to a field trip to the factories of Giza Cables (Mar. 2012).
- : Taking English courses to improve my skills in English.
- : Attended a Training of Trainer session in Cairo University (Feb. 2013).
- : Field trip to South Cairo Station (Feb. 2013).
- : Enrolled in training in Suez Company for oil processing (Jun. 2012).
- : Enrolled in training in Misr Petroleum Company (for 3 weeks in Aug. 2012).
- : Enrolled in an internship in Pas (for 2 weeks in Sep. 2012).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2014 till now
- Employer** : ECG Engineering Consultants Group S.A., Cairo, Egypt
- Projects** :
- **MOI KAP5 (GROUP 4):** The project includes 16 building types distributed over 40 different sites in several locations in Saudi Arabia. With a total built-up area of approximately 125,000 m², the project comprises administrative buildings, security facilities, traffic units, Special Forces units, and police stations.
 - **SUEZ POWER PLANT:** The project comprised power generation facilities (boiler structure, STG, control building, and stack); auxiliary facilities (water treatment, circulating water, fire protection, water tanks, and wastewater facility); ancillary facilities (warehouse and workshop, office building, security offices, fire-protection station, mosque, guard dormitory, and guard towers).
 - **PUBLIC PROSECUTION OFFICE BUILDING:** With a built-up area of 14,772 m², the building consists of a ground floor and 5 upper floors. The building floors are designed as open-space areas to accommodate the authority's requirements. They comprise various departments with associated services: Attorney-General's office; administrative offices; main conference hall accommodating 200 persons; VIP reception hall; waiting areas; additional three elevators; male/female restrooms; male/female prayer rooms; snacks kitchen; exit stairs; and service elevators.
 - **SITE SUPERVISION FOR EL ALSSON BRITISH & AMERICAN SCHOOL:** The state-of-the-art campus comprises the following components: American school building (16,992 m²), British school building (16,992 m²), main administration building (2,512 m²), performing arts building (2,011 m²), sports hall (4,051 m²), workshop (1,285 m²), transformers, substations (285 m²), playgrounds (4,236 m²), including a natural grass playground (4,236 m²), artificial grass playground (2,736 m²), tartan grass playground (1,254 m²), and kids' playground (1,728 m²), as well as a parking area (5,500 m²), plazas (5,237 m²), green surface (9,536 m²), and open spaces & walkways (10,645 m²).
 - **Design Consultancy Services for Elbaker Hotel Towers:** The project

compromises of two existing office buildings into two, 5-stars tower hotels. The new buildings include parking, hotel suites, retail, spa and associated restaurants/clubs/bar area. The basement will be changed to include kitchens and staff areas. An extension will be made at podium levels in both towers (G+M+1+2) to create space for amenities (luxury spa opening towers an open air swimming pool area, multiple food and beverage outlets, and a double height lobby). Tower hotel 1 (203m) high has a total GFA of 27.707 m² with 3 basements, ground floor, mezzanine and 52 floors (including MEP). The parking has 300 spaces in the basement and 35 on the ground floor. The current layout offers: 425 accommodation units, 3,300 m² F&B areas and 900m² spa and gym area. Tower hotel 2 (190m) has a total GFA 37,805 m². The 190 m high building has 3 basement, ground floor, mezzanine and 47 floors (including MEP), the parking has 320 spaces in the basement and 45 on the ground floor. The current layout offers: 430 accommodation units, 2200 m² F&B areas and 1200m² spa and gym area.

- Mekanies Rips & Associated Pipelines: The project primarily compromises the construction of a new 12MIG potable water reservoir, new pump house, control building 18-point tanker-filling station, emergency tanker filling station, and other facilities, such as lagoon, chlorination building, guard house, landscape.
- Design Consultancy Services for FIFA-compliant training sites: Each training sites (approximately 10,400 m²) has the following minimum facilities: two 25 m² controlled entrance areas, 500m² spectator seating areas, spectator WCs, 115 m x 78 m playing field, two 100 m² player changing room, twp 3o m² wet areas for player changing rooms, two 20m² player Jacuzzi/ice areas, 25 m² coach changing rooms, two 10 m² coach offices, two 25 m² video review rooms, 30 m² injury and first aid room, 50 m² weights and workout rooms, 200 m² press conference room, 30 m² admin office, 50 m² security office, 130 m² sports equipment store, 25 m² groundkeeper store, 25 m² waste store, two ambulance parking spaces, six bus parking spaces, and 125m² media/spectators car parking spaces.

Job title : Junior Electrical Design Engineer

Job Description : Preparation of lighting designs, power designs; voltage drop and short circuit calculations using the recent software versions as well as preparing panel schedules calculations; preparing bill of quantities (BOQ); cable sizing, generator sizing; lighting and power distribution; preparation of workshop drawings and detailed drawings using AutoCAD program as well as inspection over the installation of electrical systems and witnessing and supervising commissioning and start-up activities for various projects (as mentioned above). 1 month of experience in Doha, Qatar, working on ELBAKER HOTEL TOWERS cooperating with Kahramaa.