

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 4 years hands-on experience working in design field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/07/1989
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Zagazig University, 2013

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: REVIT for electrical design
: AUTOCAD for electrical design
: DIALUX for lighting calculation
: CALCLUX for lighting calculation
: Relax for lighting calculation
: Ecodial for low voltage electrical installation design software
: DOCWIN for low voltage electrical installation design software
: Etap7 for short circuit, load flow, dimensioning low voltage circuit breaker
: SKM Power Tools for short circuit, load flow, dimensioning low voltage circuit breaker
: MATLAB programming and simulink
: Java general purpose programming language

TRAINING COURSES AND CERTIFICATIONS

: Revit MEP: MTC Company for technical support.
: Light Current Course: EGYCET Centre Training.
: Power system distribution at Je telecom.

- : AUTOCAD 2D Basic Training at Jeledcom.
- : Application Basic Training "PLC 1" at SIEMENS PLC Automation LAB.
- : Distribution at ITC.
- : The general English Level 7 course at Cambridge British.
- : Technical Office working at EL-BANA Company (TALLA Project) (Dec. 2016).
- : Electrical and low current site working at New Giza Compound (Dec. 2016).
- : Schneider Electric, Cairo, Egypt (Jun. 2015):
 - Discrimination of breakers with latest techniques "energy discrimination".
 - KNX design & wiring.
 - PV Panel Schneider Electric.
- : Training students from different Universities on distribution course under supervision the Head of Electrical & Power Machines Dep. Zagazig University.
- : TALKA "Egyptian Electricity Generation Company" Training.
- : Sherwyda "Egyptian Electricity Transmission Company" Training.
- : Practise in Industrial Training Council (ITC).
- : Preparation of a book in electrical contracting and access to intellectual property rights.
- : MS unlimited potential program soft skills program - CIVIC Engagement & social entrepreneurship. Mit Ghamer Microsoft E.g. (Jun. 2006).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2016 till now
- Employer** : CA+ (Collaborative Architects + Partners) Consultancy, MEP Section, Cairo Branch
- Projects** :
- Housing Complexes, Planning:
 - Al Muhaidib Family Residential Complex: Located at North Abhur - Jeddah, Kingdom of Saudi Arabia, is designed as a residential use project divided into 8 major facilities (Main Villa - Son's Villa - Guest Villa - Majlis - Boys Dewanyah - Girls Dewanyah - SPA - Entry/Service).
 - Al Durrah Beach House Bait Albahar Private Beach Villa: Located in Jeddah, Kingdom of Saudi Arabia Durrah Al Arous. Is designed as furnished apartments consist of building (A, B, C, D, E, F, G & H) all ground floors.
 - Mixed use:
 - Capital Tower: Located in Jeddah, Kingdom of Saudi Arabia. Capital tower project is designed as a mixed use project and comprising of 6 zones as follows:
 - 4 stars Hotel (This zone represents Service Apartments floors, 13 floor from 2nd to 14th floor).
 - Banquet Hall (The Banquet Hall at 15th floor).
 - Offices (Offices floors at the tower end).
 - Restaurants (at the first floor).
 - Retails.
 - This Parking Area are divide into 3 zones:
 - Basement floor for Service Apartments use.
 - Ground floor for Banquet Hall and offices use.

- 3 podium floors for Banquet Hall and offices.
- Dyafah: The project is located at Jeddah Saudi Arabia, with a land plot area of 14,771 square meters, comprises of:
 - Hotel Apartments (192 units).
 - Medical Clinics/Offices (100:120 Units).
 - Multipurpose Hall (3 Halls).
 - Retails Units.
- Residential:
 - The Cube (Revit Design).
 - Tahlia Furnished Apartments (Revit Design)
 - Kenzi Apartments (Revit Design).
 - ALJ Al Nahdah (Revit Design).
 - Malaika (Revit Design).
 - Each located in Jeddah, Kingdom of Saudi Arabia. Consist of basement, ground, mezzanine, 5 typical and annex floors.
- Commercial:
 - Toys r us (Jeddah, Riyadh, Medina).

Job title : Electrical BIM Design Engineer

Dates : From Sep. 2015 till Apr. 2016

Employer : Abdulelah Al-Mohanna Engineering Consultancy (AMEC), MEP Section, Cairo Branch

Project : King Faisal Specialist Hospital housing compound (Jeddah, KSA): Consists of Hotel – Day care – Amenities centre – Security Building – Utility Building – 7 type of residential buildings each 7 floors (Revit Design)

Job title : Electrical BIM Design Engineer

Dates : From Aug. 2013 till Aug. 2015

Employer : EVIC Consulting LLC (Engineering Values International Consultant), MEP Section, Cairo Branch

Projects :

- Housing Complexes, Planning:
 - Al Mather compound project in Riyadh. Consist of 72 villas (three styles A, B, C) and recreation building (contain restaurant, café, gem, two swimming pools, Squash court, multi-purpose area, offices, baby day-care, clinic and 22 apartments).
- Mixed use:
 - MOFA (Ministry of foreign affair) Saudi embassy in Pakistan. Consist of consulting building, staff housing and Saudi school complex.
- Commercial:
 - Panda market
 - (Super market in 6-October, Dubai & Abbasia – Hyper market in al 6-October, sari in Riyadh).
- Army, Navy & Security Forces:
 - Saudi Army Warehouses in: Jeddah, Riyadh, El-damam, Hijr elehsaa, El medina, Hael, Khalig damam, Yamama Riyadh, Taif, Elgezera, Qussem.
 - Royal Guard Camp in Riyadh and Jeddah. Consists of 150 different building for armoured brigade such as: (Troop warehouse, restaurant, stadium, mosque and weapons stores).
- Medical Facilities:

- Al Taeif children hospital (300 BED). Consist of 11 floors and contain many different types of room (schematic design).
- Mosques and Islamic Centers:
 - KASCT (King Abdul-Aziz City for Science) (Local mosque - Friday mosque - Commercial building).
- Offices:
 - MTV Makkah Techno Valley: Office building Consist of 32 offices through basement, ground, first and second floors.
 - AL BASAMY OFFICE BUILDING: Office building consists of six floors – Jeddah.
 - COLORS OFFICES – Riyadh.
- Clubhouse:
 - Maxim country project - clubhouse – Egypt: Consist of swimming pool, Squash, Basketball courts, children's park and administrative building.

Job title : Electrical Design Engineer

Dates : From Jul. 2013 till Aug. 2013

Employer : INDUSTRIAL DEVELOPMENT (Al-Mostasmer Company for Food Industries in Badr City)

Job title : Electrical Maintenance Engineer

Dates : From Jun. 2009 till Jan. 2011 (during education)

Job Description : Manage Computer Company.

- Field of experience** :
- BIM Responsibilities:
 - Prepare the electrical Revit template and library.
 - Solve clashes with other disciplines (zero clashes).
 - Work with various disciplines and external parties to create BIM and subsequent drawings based off schematic drawings and models.
 - Modeling and simulation of projects based off existing 2D CAD plans using Revit tools.
 - Design Responsibilities:
 - The concept design of the project starting from Load Estimation using VA/m² method.
 - All electrical systems for all Commercial, Residential buildings (Internal and external power system design – Interior and exterior area lighting design - Single line diagrams design - Panel schedule and load calculations - Voltage drop and short circuit calculations - All Light Current systems).
 - Infra-Structure of the Project including switch gear, transformer sizing, its locations, R.M.U, main distribution board sizing and electrical requirements for architectural design.
 - The interior lighting of buildings followed by Lighting Analysis using Dialux ending with lighting distribution plans using AutoCAD & Revit software.
 - The power layout of the sockets distribution, sockets wiring, cable routing with sizing of cable trays.
 - The panel boards which serve the whole project with sizing of cables & breakers.

- Earthing (grounding) and the protection against lightning systems.
- Depict smart home system using KNX & little knowledge of ZigBee protocol.
- Prepare low voltage electrical calculation design (short circuit, load flow, dimensioning low voltage circuit breaker) using, Ecodial software.
- Developing Reports of voltage drop & short circuits for the branch circuits until reach the MDB.
- Infra-structure low current systems.
- Low current systems e.g. telecommunication (data and telephone), MATV, public address, fire alarm, security system including CCTV and access control systems.
- Coordination Responsibilities:
 - Infra-structure coordination (with mechanical, structure and arch. Trades) for power cables and low current cables and its manhole.
 - Builders work coordination (with structure and mechanical trades) for power cables and low current cables.
 - Above false ceiling coordination (with structure and mechanical trades) for cable tray and cable trunk.
 - Ceiling coordination (with mechanical and arch. trades).
- Delivering the Bill of Materials for the concerned work in project release to Purchasing dept.