



MOHAMED GAMAL

Senior Electrical Engineer

Date of Birth: June 27, 1979
Nationality: Egyptian
Country of Residence: Doha, Qatar
(+974) 66154919
m_gamal123@hotmail.com

PROFISSIONAL OVERVIEW

Bachelor's Degree in Electrical Engineering, 16 years' experience, positioned as a Senior Electrical Engineer, certified by ministry of municipality & urban planning in state of Qatar (UPDA) Grade A, familiar with the international codes & standards (BS Standard, NFPA, NEMA, IEEE) as well as the local regulations in QATAR (KAHRAMAA, QCD & MOI).

Very good Knowledge in design of electrical power systems, since part of my experience (6 years) working as a design engineer for many projects (Residential, Commercial, Heath care, Hotel, Sport Complex, ...etc.).

Now acting as a team leader for the electrical site supervision team, reviewing the shop drawings & materials transmittals for LV & ELV systems, also joining to prepare the weekly and monthly reports for the client to achieve the target plan of the project.

EXPERIENCE

SHAKER CONSULTANCY GROUP SENIOR ELECTRICAL ENGINEER

DOHA, QATAR
Sep.2010 - Present

- Working as a senior electrical engineer for the site supervision team of all electrical low voltage(LV) and extra low voltage(ELV) systems including but not limited to the followings:-
 - Low voltage distribution networks including the main switchboard (MDB), standby power and emergency generation systems, sub-main low voltage distribution boards.
 - Bus bar trunking system & low voltage cables for the power system network distribution including review of the voltage drop and short circuit calculations.
 - Motor control centers for mechanical applications such as water pumping stations, sewage pumping stations, chilled water pumping stations and mechanical ventilations.
 - Grounding system including the main network for the substation and the clean earth network the telecommunications or medical applications.
 - Lightning protection system for high rise buildings and buildings exposed to strikes using the American preventor air terminal & the copper mesh air termination based on the British standards.
 - Emergency lighting & Exit lights operated by central battery system or remote back up battery kits matching with the NFPA 101 requirements & QCDD regulations in Qatar.
 - Uninterrupted power supply (UPS) for the data centers, control rooms & essential loads.
 - Home Automation system for switching/dimming control of lighting, A/C control, Blind control, etc.
 - Fire Alarm and voice evacuation system matching with NFPA 72 requirements & QCDD regulations in Qatar.
 - Telecommunication system in according to the requirements of the service provider (Ooredoo).
 - Security & access control systems including CCTV system for indoor and outdoor surveillances matching with the regulations of MOI in Qatar, Also access control for door access using card access/push buttons or the gate barrier for the vehicle control.
- Extra low voltage systems such as but not limited to the following:-
 - Public Address & back ground music system, Audio visual system, Audio video Intercom system, IPTV system, centralized clock system.
- Reviewing the shop drawing and materials transmittals in complying with the design drawings, project specifications and local regulations.
- Preparing the monthly progress reports and evaluating the monthly payment.



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Major accomplishments:

- Falcon Hospital at Souk Waqif Area (Doha)
- Two Nos. High Rise Residential Towers at Viva Baharia VB 11 & 17 (The Pearl, Qatar)
- Qatar Handball Association Complex (Duhail)
- Three Nos. High Rise Residential Towers at Viva Baharia VB 03, 04 & 05 (The Pearl Qatar)
- Four Nos. High Rise Residential Towers at Viva Baharia VB 12, 13, 14 & 15 (The Pearl Qatar). **(current)**

SHAKER CONSULTANCY GROUP

SENIOR ELECTRICAL ENGINEER

CAIRO, EGYPT

Sep.2004 – Aug.2010

- Working as a design and design review engineer of all electrical power distribution systems including:-
 - Medium voltage distribution network including protection and measuring devices and system analysis.
 - Low voltage distribution network including the Substations, Prime Power and Emergency Generation Systems details.
 - Infra-Structure Medium and Low voltage distribution Feeders including the Direct Buried & Duct Bank underground cables, Manhole details, Feeder Pillars and Street Lighting.
 - Low voltage power riser diagram using Bus bar Trunking system (in high rise buildings) or Low Voltage Cables including Bus bar Trunking/Cables Sizes & voltage drop calculations.
 - Grounding system for Power Substations, Hospitals, Hotels, Museums, also design of Lightning protection system for high rise buildings and buildings exposed to strikes
 - Distribution Panel Boards design including the enclosure size, circuit breakers size, total demand load calculations, phase balance, selectivity study and short circuits calculations (Switch Board Details)
 - Lighting and Power distribution layouts and lighting calculations using (DIALux) software and according to the IES & CIBSE.
 - Sizing and distribution of the UPS System for essential loads and Central Battery System for emergency lighting.
 - Reviewing the materials submittals and work shop drawings for the supervised projects.
 - Preparing the Concept and Schematic design reports for all Electrical systems.
 - Preparing the Bill of Quantities (B.O.Q) and Cost Estimate for the tender document.
 - Participated in the site supervision of installation for Medium & Low Voltage Power distribution network and Light Current Systems (fire Alarm Access Control, CCTV, Structure Cabling Public Address, Audio Visual)

Major accomplishments:

- Motorola Building at Smart Village (Giza)
- Fairmont Heliopolis Hotel (Cairo)
- Ladies Staff Healthy Club (Dubai)
- Residence Tower for Oman Embassy's Staff (Cairo)
- The Aviation Control Towers (Al-Arish, Hurghada, Luxor)
- The Embassy of Japan (Cairo)
- Jolie Ville Resort (Sharm El-Sheikh)
- The Grand Egyptian Museum (Phase 2,3)
- Dar El-Fouad Hospital (Kuwait)
- New Dar El-Fouad Hospital (Cairo)
- Extension of Wadi El-Nile Hospital (Cairo)
- Renovation of Martin Jolie Ville Luxor (Luxor)
- Extension of Jolie Ville Luxor (Luxor)



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- MGM Grand Resort (Sharm El-Sheikh)
- Mall of Egypt (6th of October)
- Participating also in the site supervision team of electrical systems in some project

Major accomplishments:

- Motorola Building at Smart Village (Giza)
- Fairmont Heliopolis Hotel (Cairo)
- Sharm El-Sheikh International Conference Centre (Sharm El-Sheikh)

AL-ATIRBY FOR ELECTRICAL WORKS

ELECTRICAL SITE ENGINEER

Cairo, Egypt
Jun.2003 – Aug.2004

- Electrical site Engineer in contracting firm responsible for all site related works (EPC basis) for erecting, testing & commissioning a new kitchen equipment related to the a new Restaurants building at National Defense Council (NDC).

INTEGRATED PROJECT MANAGEMENT (IPM)

ELECTRICAL ENGINEER

Cairo, Egypt
Sep.2002 – May 2003

- Site office engineer responsible for site supervision and quality assurance works in accordance with GMP regulations for all electrical systems, especially oriented with pharmaceutical plants, clean Area's labs and pharmaceuticals' factories at VACSERA.

EDUCATION

HELWAN UNIVERSITY

B.Sc. of Engineering

Major: Electrical Power & Machinery Dept.

Cairo, Egypt
May - 2002

MEMBERSHIPS

- Member of the Egyptian Syndicate of Engineers
- (UPDA) Certified, Grade A, Licensed to practice engineering on the field of Electrical Engineering from the ministry of municipality & Urban Planning in state of Qatar.
- (QCDD) Certified, Licensed to handing over all life safety systems to Qatar Civil Defense Department.

TRAINING & CERTIFICATIONS

- British Standard 7671:2008 (Electrical Installations Design)
By British Training Solutions
- Low Voltage Consulting Engineer
By Schneider Electric
- Medium Voltage Workshop
By Schneider Electric

SKILLS

- AutoCAD
- Aconex
- Microsoft office
- Familiar of international code and regulations (i.e. IEC, BS, NFPA, IEEE, NEMA, LEED)
- ETAP
- ECODIAL (Schneider Electric)
- DOC (ABB)
- DiaLux
- Familiar of local regulations in Qatar (i.e. KAHRAMAA, QCDD, MOI)

LANGUAGES

ARABIC : native language

ENGLISH: fluent (speaking, reading, writing)