



Ahmed Mohamed Mugahed

Senior QA/QC Electrical Engineer

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Date of Birth: - 10/07/1990

Status: - Married

Nationality: - Egyptian

Address: Mansoura

Member: Saudi Council
Engineer (Member NO.
894477)

Driving Licence: Available

Education

Bachelor of Electrical
Engineering-Zagazig
University- EGYPT

Graduation date: May
2014

Computer Skills

AutoCAD –Course
Microsoft Office-
ICDL
Some Softwares.

Language: -

Arabic & English



PROFESSION

I have a total of 11 years of significant experience in electrical works in Egypt and Saudi Arabia, across various types of mega construction and infrastructure projects, such as:

- Commercial Towers - Solar Energy Plant.
- Steel Structure Projects (Marts Malls, Airports Hall and Land ports)
- Compound Residential Buildings - International Gardens Project.
- All Infrastructure Networks (MV, LV and Telecommunications).
- Street lighting and Parking area Systems.

- **Online Instructor for Electrical Engineering in my YouTube Channel:**

https://www.youtube.com/@Mugahed_Academy

in Udemy website:

<https://www.udemy.com/user/ahmed-mugahed/>



EXPERIENCES

- ☐ **Senior QC Electrical Engineer, (June 2024 to Present)**
- ☐ **Company:** Zaid Alhussain & Brothers Group (ZHBG),KSA.
- ☐ **Project:** King Abdullah International Gardens Project (KIAG).
- ☐ **Location:** Riyadh - Saudi Arabia
- ☐ **Client:** Riyadh Region Municipality.
- ☐ **Project Consultant:** DAR ALHandasa.

Work Responsibilities:

- ☐ Responsible for the electrical works teams in the King Abdullah International Gardens Project for the construction buildings (Crescents Buildings, Energy Center, Maintenance and Management, Restaurant,

Administration, Public Toilets, Promenade & Canopies, Devonian Garden, Watch Towers, Mosque Building).

- ❑ Also, infrastructure Systems (MV, LV, Street Lighting, LC).
- ❑ Prepare QC/QA Documentations (RFI, MIR, MST, ITP).
- ❑ Solving Site issues of (SI and NCR).
- ❑ All FAT tests, SAT testing, pre-functional checks, start-up activities, energization, and commissioning for (MV switchgears, package substations, RMUs, transformers, panel boards, lightning protection systems, earthing systems, and lighting and power systems).
- ❑ All testing and commissioning activities for all panel board types (MDB, SMDB, DB, MCC, MCP, LCP, and feeder pillars).
- ❑ All close-out documents and project fixed assets.

❑ **Senior QA/QC Electrical Engineer, (NOV. 2023 to June 2024)**

❑ **Company: GAMA Constructions (Member of Triangle Group), Egypt.**

- ❑ **Project:** Zed East Club Project.
- ❑ **Location:** 5th Settlement City - New Cairo – Egypt.
- ❑ **Client:** ORA Company.
- ❑ **Project Consultant:** Consulting Engineers Moharram Bakhoum (ACE)

Work Responsibilities:

- ❑ Responsible for electrical works teams in Zed East Club Project for Sports Buildings (Commercial Club House, Gymnastics Hall, Multi sports Hall, Kids playground, Olympic pool, Mosque, Guards Rooms).
- ❑ Prepare QC/QA Documentations (WIR, MIR, MST, ITP).
- ❑ Solving Site issues of (S.O.R and NCR).

❑ **Senior QA/QC Electrical Engineer, (OCT. 2022 to OCT. 2023)**

❑ **Company: Technical Development for Contracting (Member of Zahran Holding Company), KSA – TD**

- ❑ **Project:** EMPTY QUARTER LANDPORT PROJECT.
- ❑ **Location:** Oman Border – Kingdom of Saudi Arabia.
- ❑ **Client:** Zakat, Tax and Customs Authority.
- ❑ **Project Consultant:** Fouad Al Saleh & Khaled Al Dhowalia CO. for Engineering Consultancy (FKEC).

Work Responsibilities:

- ❑ Responsible for electrical works teams in Supporting Facilities Project for Residential Portacabins and Service Buildings (Clinic, Restaurant, Swimming pool, Mosque, Stadium and Supermarket).
- ❑ Prepare QC/QA Documentations (IR, MIR, MST, ITP).
- ❑ Solving Site issues of (S.O.R and NCR).
- ❑ Present (RFI) to consultant in necessary times.





- ❑ Prepare pre-qualifications and technical sheets for each supplier and manufactures to approving material submittals (PQ, MAT, MAR) according to (B.O.Q, Specifications and Shop drawing) of project.
- ❑ Review electrical shop drawing and submittal to approved for each system.
- ❑ Request all required materials (MR) for project from (Raw Material, Fittings, Accessories and all Tools) according to approved submittals.
- ❑ Quantities surveying and prepare Invoices.
- ❑ Responsible for infrastructure Systems such as (MV, LC, LV and street lighting) systems.
- ❑ Responsible for L.V system electrical works such as (Earthing, Lighting, Sockets, Wires, UPS system, Transformer, RMU, Generators, L.V Panels, Cables, cable tray, Air condition., etc.)
- ❑ Responsible for (L.C) for all networks and security systems inside buildings and parking area.
- ❑ Produce reports for Connecting Supporting Facilities project with EMPTY Quarter Land port Project by interfacing systems.
- ❑ Taking into consideration the measures to avoid the damage of the existing networks in master site and coordination during installation.
- ❑ Plans the execution of all electrical related works and coordinates the works to mechanical and civil groups.

- ❑ **Senior QA/QC Electrical Engineer, (OCT. 2020 to Aug. 2022)**
- ❑ **Company: China State Construction Engineering Corp. Ltd, Egypt - CSCEC**
- ❑ ***Project:*** Working for CSCEC Egypt in Twin office towers (C07 and C08) the height of the towers is 160m connected with a bridge in the 29th floor and the area of one tower is about 2000 square meters with a podium of 24,000 square meters.
- ❑ ***Location:*** Central Business District (CBD), New Administration Capital, Egypt.
- ❑ ***Client:*** New Urban Communities Authority (NUCA).
- ❑ ***Project Consultant:*** Dar Al Handasa (Shair and Partners).

- Work Responsibilities:**
- ❑ Responsible for electrical works in two office towers in central business district of the new administrative capital.
- ❑ Prepare QC/QA Documentations (WIR, MIR, MST, ITP).
- ❑ Solving Site issues of (S.O.R and NCR).
- ❑ Responsible for (L.V and MV) electrical works such as (Lighting, Sockets, Wires, UPS system, Transformer, RMU, Switchgear, Generators, L.V Panels, Cables, cable tray, Air condition., etc.)
- ❑ Receiving all electrical works after finishing correctly in each building.
- ❑ Make Reports after approving works and materials.
- ❑ Review electrical shop drawing and submittal to approved.
- ❑ Plans the execution of all electrical related works and coordinates the works to mechanical and civil groups.



- ❑ **Senior Electrical Engineer (OCT. 2019 to OCT. 2020)**
- ❑ **Company : Amar Masr Consultation - AMC.**
- ❑ **Project** : Watanya Marts Malls.
- ❑ **Location** : (Obour – Badr – Shourk - 10th of Ramadan - Zaid – October – New capital -15May - New Cairo) in Egypt.
- ❑ **Client** : New Urban Communities Authority (NUCA).

Work Responsibilities:

- ❑ Supervising on electrical works in steel structure projects.
- ❑ Review and Submitted QC/QA Documentations (WIR, MIR, MST, ITP).
- ❑ Solving Site issues by (S.O.R and NCR).
- ❑ Executed electrical Distribution (L.V and MV) system that including (Lighting, Sockets, UPS system, Transformer, RMU, Generators, L.V Panels, Cables, Cable tray, Air condition etc.).
- ❑ Review low current systems (Fire Alarm, Telephone, Data, CCTV and Public Address).
- ❑ Review electrical shop drawing and submittal to approved.
- ❑ Quantities surveying.
- ❑ Verify the invoices.

❑ **QC Electrical Engineer (Jan 2018 to Oct 2019)**

- ❑ **Company : Green Cells Sun Infinite JV**
- ❑ **Location : Benban, Aswan, Egypt.**
- ❑ **Project** : Solar Energy Plant in Benban.
- ❑ **Client** : Egyptian Electricity Holding Company.
- ❑ **Project Consultant: Scatec Solar.**

Work Responsibilities:

- ❑ QA/QC Engineer for Solar Energy in Benban project.
- ❑ Prepare QC/QA Documentations (WIR, MIR, MST, ITP).
- ❑ Solving Site issues of (S.O.R and NCR).
- ❑ Supervising on electrical works in control buildings in Benban project.
- ❑ Working in field of solar energy construction to produce 2000MVA starting from excavation and laying different kinds of solar DC cables.
- ❑ Connection of solar PV module, combined boxes, till the final connection of inverters, ITS, RMU and switchgear.
- ❑ Then transportation power to substation power plant by AC medium cables and commissioning.
- ❑ Electrical Distribution systems in control building such as low voltage (Lighting, Sockets, L.V Panels, Cables, etc) and low current systems (fire alarm, telephone, data, cctv and sound system).



- ❑ **QC Electrical Engineer (Nov 2014 to Dec2017)**
- ❑ **Company : Global for construction**
- ❑ **Location : in zone No. 14 in New Obour city.**
- ❑ **Project** : Social Housing Project
- ❑ **Client** : New Urban Communities Authority (NUCA).

Work Responsibilities:

- ❑ Responsible in electrical works in social housing project in zone No.14 in New Obour city.
- ❑ Prepare QC/QA Documentations (WIR, MIR, MST, ITP).
- ❑ Solving Site issues of (S.O.R and NCR).
- ❑ Responsible in electrical works (Lighting, Sockets, Panels, Wires and cables., etc.)
- ❑ Receiving all electrical works after finishing correctly in each building.
- ❑ Make Reports after approving works and materials.

Qualifications:

❑ **CERTIFICATES:**

- ❑ Electrical Power system distribution, Excellent, Jelecom,2013.
- ❑ Classic Control, Excellent, IEEE-zag branch, 2012.

❑ **Personal Skills**

- ❑ Managing team.
- ❑ Very quick learning.
- ❑ Strong observation.
- ❑ Strong level of work arrangement.
- ❑ Very good memory.

❑ **Software skills:**

- ❑ **Drawing:** AutoCAD (Very good)
- ❑ **Office:** MS Office (Word, Excel...)

❑ **Memberships:**

- ❑ **Member of Saudi Council of Engineers (SCE) (Member NO. 894477)**
- ❑ **Member of the Egyptian Engineers Syndicate.**

❑ **Language:**

- ❑ **Arabic:** Mother language
- ❑ **English:** Good spoken and written.