

Abderahman Hamdy Kandel (MEP Engineer)

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Birth Date: 06/07/1995

Gender: Male

Military status: Exempted

Marital Status: single

Nationality: Egyptian

Religion: Muslim

Education

- **Graduated** from Mechanical Power Engineering Department, Faculty of Engineering, Port Said University, Egypt (2013 - 2019)
- **General Grade:** Good
- **Graduation Project:** Normal and inverse confined diffusion flames.
- **Project Grade:** Excellent

Work Experience

1- MEP Site Engineer at “ Craft group (Saudi Arabia) Main- contractor

(from DES 2024 to Till Now)

Project: Chedi Hegar Hotel

1. Study the tender documents (specifications, drawings, BOQ, method of measurements, and contacts) to take project details into consideration.
2. Review the project and, in case there are technical errors in the project, send them to the team leader.
3. Revise and study the shop drawing of the upcoming activity in order to know the materials and tools needed.
4. Implement the shop drawings and make sure that the activities performed comply with them.
5. Follow up on day-to-day site issues, including supervising and monitoring the site labor force and the work of any subcontractors to ensure matching quality standards.
6. Revise the BOQ (Bill of Quantity) to make sure that the quantities of materials and accessories match the shop drawing.
7. Conduct a quantity survey for materials on a weekly basis in order to make sure that there are no materials or tools needed.
8. Create a weekly progress report, including the activities performed, to be delivered to the direct manager.

9. Coordinate with the Electrical, Architect, and Civil site engineers to avoid any conflicts within the project.

2- Mechanical Site Engineer at “ Orascom Construction (Egypt) (from March 2024 to DES 2024)

Project: SOUL NORTH COST

10. Study the tender documents (specifications, drawings, BOQ, method of measurements, and contacts) to take project details into consideration.
11. Review the project and, in case there are technical errors in the project, send them to the team leader.
12. Revise and study the shop drawing of the upcoming activity in order to know the materials and tools needed.
13. Implement the shop drawings and make sure that the activities performed comply with them.
14. Follow up on day-to-day site issues, including supervising and monitoring the site labor force and the work of any subcontractors to ensure matching quality standards.
15. Revise the BOQ (Bill of Quantity) to make sure that the quantities of materials and accessories match the shop drawing.
16. Conduct a quantity survey for materials on a weekly basis in order to make sure that there are no materials or tools needed.
17. Create a weekly progress report, including the activities performed, to be delivered to the direct manager.
18. Coordinate with the Electrical, Architect, and Civil site engineers to avoid any conflicts within the project.

3- Mechanical Technical Office Engineer at “ Solid Construction (Egypt) (from June 2023 to February 2024)

Project: Lafontaine New Cairo

Job description:

- 1- —Study the project documents, including drawings, specifications, BOQ (Bill of Quantity), RFI (Request for Information), correspondence... etc., to consider all the project details.
- 2- Prepare all required shop drawings and achieve required approvals.
- 3- Prepare all required calculations and achieve required approvals.
- 4- Prepare RFIs and send them to the project consultant to obtain missing information and resolve all conflicts.
- 5- Communicate with concerned departments to prepare the general procurement plan.
- 6- Conduct estimated quantity survey to determine the quantity of material that need to be purchased or procured.
- 7- Conduct the quantity surveying process to prepare the required invoices.
- 8- Prepare periodical reports such as Quantity Executed Invoices

4-Mechanical Site Engineer at “ SABBOUR consulting company (Egypt) (from April 2022 To May 2023)

Job description:

- **Project: Royal Tiba Rose Hotel (5 stars)**
- Job title: Sr. Mechanical Engineer
- Report Directed to: Project engineer
- Responsibilities:
 - Review mechanical shop drawing for (HVAC – FIRE FIGHTING – PLUMPING)
 - Review materials submittal.
 - Make site inspection for mechanical works.
 - Lead contractors to finalize the project on time schedule to the required quality.
 - Make coordination with other activities.

5-Mechanical Site Engineer at “ Meamar for Construction and Development ”

(From August 2019 to March 2022)

Job description:

19. Study the tender documents (specifications, drawings, BOQ, method of measurements, and contacts) to take project details into consideration.
20. Review the project and, in case there are technical errors in the project, send them to the team leader.
21. Revise and study the shop drawing of the upcoming activity in order to know the materials and tools needed.
22. Implement the shop drawings and make sure that the activities performed comply with them.

23. Follow up on day-to-day site issues, including supervising and monitoring the site labor force and the work of any subcontractors to ensure matching quality standards.
24. Revise the BOQ (Bill of Quantity) to make sure that the quantities of materials and accessories match the shop drawing.
25. Conduct a quantity survey for materials on a weekly basis in order to make sure that there are no materials or tools needed.
26. Create a weekly progress report, including the activities performed, to be delivered to the direct manager.
27. Coordinate with the Electrical, Architect, and Civil site engineers to avoid any conflicts within the project.

Projects:

- 1- Development of operating rooms and accommodation in Suez General Hospital.
- 2- Development of the digestive system and liver center in Suez Fever Hospital.
- 3- Development the building from the ground floor to the fifth floor by adding a fire-fighting system, a fire alarm system and a fire pump room, at a discharge rate of 750 gallons per minute, at a pressure of 8 bar, in Mit Ghamr Oncology Center.
- 4- Development of central air conditioning and the addition of a fire fighting system and a fire alarm system in the floors from the ground to the fourth at the Egyptian Red Crescent Hospital.
- 5- Development the buildings by adding a fire-fighting system, a fire alarm system and a fire pump room, at a discharge rate of 1250 gallons per minute, at a pressure of 11 bar, in Shebin El-Kom Teaching Hospital.

Summer Training

- **Cairo Oil Refining Company** (July 2017)
- **Talkha Electricity Company** (September 2016)
- **Rasheed Petroleum Company** (July 2016)

Courses

- **MEP Diploma** (Design of HVAC, Fire Fighting and Plumbing Systems) at Engineer's House, certificated from Engineers Syndicate (November 2019 till January 2020)

- **Hydraulic** course from (october to november 2019)

- It includes: Introduction - Oils and filtration – Pumps – valves – Actuators – Accessorie - Bar Trimming Machine circuit "Case Study" - 928 G CAT wheel type loader Circuit.

- case Study Practical in the course : examining different types of Components - using simulation programs to simulate circuits - Reading and understanding schematic diagrams for two real systems.

Computer Skills :

- Microsoft Office Systems (Word, Excel, PowerPoint, Access, Outlook)
- AutoCAD – 2D
- Revit 2019
- HAP
- Elite
- Duct Sizer
- ASHRAE Duct Fitting Database
- autofluid

Language skills

- Arabic: Mother tongue language
- English: Very good command of English, both written and spoken.

Personal Qualifications

- Knowledge of various codes and standards like ASHRAE, SMACNA, NFPA, IPC, Egyptian code for air conditioning, fire, and health.
- Leadership
- Communication skills
- Project Management
- Presentation skills

Great honor to be a member in your teamwork