

George [REDACTED]

Mechanical Engineer –I Shubhra Faculty of Engineering at Benha university
25Ghuwayfa street El Nahyan camp Abu Dhabi

Profile

A goal-oriented, self-motivated, and proactive engineer with six years of experience, graduated from Benha University. I possess a strong foundation in Mechanical engineering and I am dedicated to advancing my career in an international engineering company that values technical excellence and professional development.

Professional Experience

Morgan Consulting Engineers (UAE)

Dec 2023 - Present

- PERLA 1&2 Residential building in Yas island (Chilled water system)

- Overseeing the implementation of recommendations and requirements on the plumbing, infrastructure pipes, firefighting, water supply and HVAC installation.
- Liaison under supervision, with clients & contractors for compliance with project scope of requirements.
- Provide technical consultation, including analyzing facility mechanical system problems in the field, and recommend solutions to the client.
- Assist in the development of the mechanical scope of work for new projects, owner reviews, and construction bid package development.
- Assist in shop drawing review process, request for information (RFI) and field observation reports to ensure they are processed in a timely manner to meet the project schedule milestones.
- Submitting the material of project according to Vendor list and specs.
- Submitting the Inspection requests according to relevant codes.
- Revise all shop drawings according to required codes (ASHREA, SMACNA, NFPA, IPC... Etc.) with required software (Revit, Cad, HAP, Elite, ASHREA duct fitting data base, duct sizing and pipe sizing)
- Coordinate and prioritize multiple projects in a deadline-oriented environment.

Better Home (Egypt)

May 2023 – Dec 2023

- Cairo Business Plaza – new administrative capital

(Chilled water with ETS room) – Technical Office Engineer

- Revise All IFC drawings for HVAC, Firefighting and plumbing.
- Revise all shop drawings according to required codes (ASHREA, SMACNA, NFPA, IPC... Etc.) with required software (Revit, Cad, HAP, Elite, ASHREA duct fitting data base, duct sizing and pipe sizing)
- Submitting all material and equipment of project according to Vendor list and specs.

- Revise the BOQ and prepare the vendor list of the project.
- Revise all HVAC, Firefighting and plumbing calculations according to required codes.
- Make a clash sheet for all MEP drawings with solutions.

Orascom construction (Egypt)

Sep 2021 – May 2023

- R5 – new administrative capital (DX system) - Mechanical site engineer

- Handle all issues related to the assigned area in the project and gather the needed information to implement all activities effectively.
- Receive the monthly target from the Construction team in order to get the new deadlines for the ongoing project.
- Manage the sub-contractors and labor in order to ensure they are working efficiently according to the project specs and quality standards.
- Sign the material request to provide the subcontractors with the needed equipment and materials.
- Ensure that the activities performed by the subcontractors and the site labor force match the shop drawings to be delivered to the Quality Control.
- Coordinate with Project Managers, Foremen and other team members throughout the construction drawing process.
- Successfully managed purchasing orders and maintained communication with suppliers to ensure adherence to project vendor lists.
- Negotiated effectively to secure optimal pricing and quality, resulting in cost savings and improved project outcomes.
- Coordinated logistics and monitored delivery schedules to meet project timelines and specifications.

Rafaat Miller Consulting Office RMC (Egypt)

June 2020 – Aug 2021

- Al bourouj –IMKAN Misr - Consultant site engineer (DX system)

- Overseeing the implementation of recommendations and requirements on the plumbing system and infrastructure pipes installation.
- Submitting the material of project according to Vendor list and specs.
- Submitting the Inspection requests according to relevant codes.

ECO Consultant office (Egypt)

July 2019 – June 2020

- Aquatic center in the administrative capital (CHW system)– Design Engineer

- Equestrian buildings in the administrative capital (CHW) - Design engineer

- Create and develop the fire fighting and HVAC system modeling using BIM modeling software.
- Perform hydraulic calculation for firefighting system as per the relevant codes and building requirements.
- Perform HVAC calculation system before modeling as per the relevant codes and building requirements.

- Coordinate with other design team members including architects, structural engineers, electrical and plumbing/fire protection engineers to ensure mechanical systems are integrated with all trades on subject projects with REVIT.
- Prepare, Certify and Issue to the Team Leader the design documents (computer model, calculation report, BOQ and drawings) in accordance with the project requirements, specifications and design criteria.
- Perform systems analysis and prepare reports and studies as well as cost estimates.
- Create detailed fabrication drawings using Autodesk Fabrication, Revit and other software programs.
- Attend BIM site meetings.
- Prepare design and coordination drawings of ventilation systems based on project specifications.

Vantech construction Company (Egypt)

January 2019 - June 2019

Engineer at Maghrabi Hospital 5th settlement (DX with operation rooms)

- Do shop drawing for DX concealed HVAC System and its Duct with it is insulation by AutoCAD.
- Coordinate with other design team members including architects, structural engineers, electrical and plumbing/fire protection engineers to ensure mechanical systems are integrated with all trades on subject projects With AutoCAD
- Perform systems analysis and prepare reports and studies as well as cost estimates.
- Proficient in creating duct and pipe quantities using specialized software tools.

- Site Engineer at UGDC Company in Fifth settlement (VRF system)

- Do shop drawing for VRF concealed HVAC System and its duct with insulation with AutoCAD.
- Do the mark up and Record Drawing of the Project
- Do the work progress of the VRF network (compression, welding and insulation) and connect the copper Pipes with Y-Branches.
- Coordinate with the mechanical and electrical trades using AutoCAD
- Get a high-quality Experience in VRF System by creating the network path using AutoCAD and drawing it's As-built drawing
- Perform systems analysis and prepare reports and studies as well as cost estimates.
- Proficient in creating duct and pipe quantities using specialized software tools.

Education and Professional Development

- **B.Sc. Engineering Degree, Faculty of Engineering, Benha University in Egypt in 2017. Grade: Good Project Grade: Excellent**
- **Revit MEP Diploma;** Engineering house Heliopolis in Egypt 2015.
- **Firefighting Diploma;** Engineering house Heliopolis in Egypt 2016.
- **Plumbing Diploma;** Engineering house Heliopolis in Egypt 2016.
- **HVAC Diploma;** Engineering house Heliopolis in Egypt 2016.

Business and extra-curricular activities:

- **Arabic – Native speaker**
- **English –(B2) communicative in writing and in speech; has AUC certificate**
- **German –(B1) intermediate in writing and in speech**
- **Highly proficient using Microsoft software package (Excel, PowerPoint, etc.).**
- **Highly proficient using Hourly analysis Program HAP for selecting the load Calculation.**
- **Highly proficient using AutoCAD, Revit MEP and Navisworks.**
- **Highly proficient using Fire Elite.**
- **Highly proficient using Duct Fitting Data base.**

Personal Information:

- **Marital status: Married.**
- **Military Status: Accomplished between 2017 – 2018.**
- **UAE driving license is valid till 2026.**
- **Date of birth: 4th of March 1995.**