

Ahmed Mohamed Haggag

LEED GA - PMP Candidate - Senior mechanical engineer

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Summary

I have extensive experience in large-scale construction projects, including my current role at Saudi Constructioners Ltd. on the DGCL Phase A project, where I oversee the mechanical scope, material management, subcontractor supervision, and client coordination. Previously, I served as a Mechanical Technical Office Engineer at MTCO and Orascom Construction Companies, where I managed the reviews of MEP designs and the submission of shop drawings, and coordinated composite MEP drawings for infrastructure, pump stations, and various buildings. I am proficient in AutoCAD, REVIT, Navisworks, HAP, and duct sizer. I possess a strong understanding of construction codes and standards. Additionally, I am LEED GA and PMP Candidate. I have technical expertise with strong project management and communication skills.

Experience



Saudi Constructioners Ltd

Saudi Arabia

Senior mechanical engineer

04/2024 - Present

- **Project: Diriyah Gate Development Phase A - DGCL.**
- Responsible for the mechanical scope of the project structures, including road and utility tunnels, water pumping station, fire pumping station, sewer lifting station and other buildings.
- Responsible for managing mechanical materials across the entire project scope, including infrastructure, substructures, and superstructures. This involves raising requests, coordinating with the material and procurement teams, liaising with suppliers and subcontractors, and collaborating with the quality control team to obtain approved Material Inspection Reports (MIRs).
- Supervising the sub-contractors, equipment and bedding and backfilling vendors.
- Coordinating with the technical office, planning team, and other project coordinators to address any updates and changes in the project scope of work.
- Communicate with the consultant, PMO, and client regarding the status of handover areas. Prepare impact reports for changes in engineering instructions and report to direct management and the cost control team.
- Provide technical advice to the construction team.



MTCO trading and contracting

Saudi Arabia

Mechanical technical engineer

06/2022 - 03/2024

- **Project: Diriyah Gate Development Phase A - DGCL.**
- Provide coordinated composite drawings for infrastructure works.
- Provide shop drawings for potable and firefighting water, irrigation, sewage, storm networks.
- Provide design specifications, schematic diagrams, calculation sheets, and duct pipe resizing as necessary.
- Review MEP designs looking for major clashing problems, missing details and checking the possibility of cost reduction opportunities.
- Review MEP shop drawings submitted by sub-contractors prior to submittal for co-ordination with other construction elements.
Managing changes caused by architectural modifications and raise RFI's to Consultant without negatively affecting the stated objectives.
- Provide technical advice to construction team.

Experience



Orascom Construction Company

Egypt

Mechanical technical office engineer

07/2018 - 06/2022

• **Value added:**

- Provide shop drawings for duct works, chilled water, firefighting, clean gases, soil, waste, rainwater, potable water networks and urban works.
- Provide design, schematic diagrams, calculation sheets and duct s pipe resizing when needed.
- Review MEP designs looking for major clashing problems, missing details and checking the possibility of cost reduction opportunities.
- Review MEP shop drawings submitted by sub-contractors prior to submittal for co- ordination with other construction elements.
- Managing changes caused by architectural modifications and raise RFI's to Consultant without negatively affecting the stated objectives.

Provide technical advice to construction team.

• **Working on a variety of projects at The New Administrative Capital as follows:**

• **R5 residential complex:**

- Responsible for all mechanical aspects for seventeen residential towers.
- Oversaw three multi-story parking garages with average area of nine thousand square meters per store.

• **International shooting club:**

- I successfully delivered a comprehensive HVAC shop drawings package for the gun shooting building in just three months. and supervised the installation of 71 air handling units (AHUs), 320 fan coil units (FCUs), and over 50 roof-mounted fans, successfully managing their installation and ensuring optimal performance and efficiency.

• **New Opera Building:**

- Utilized the REVIT program to create coordinated models, cut sheets, sections, and take-off schedules. and utilized the Navisworks program for clash detection.

• **Arts and literature city:**

- Accomplished submission of coordinated composite Infrastructure drawings for about fifty acres area while adding value within a very narrow timetable.



Engineering company for construction and decoration

Egypt

MEP technical and tender engineer

01/2018 - 06/2018

• **Value added:**

- Provide shop drawings for HVAC works, firefighting networks, and plumbing.
- Identification of all requirements in the requisition for purchase issued by project managers.
- Receiving the price quotations Prepare schedule of comparison and Issuance of Purchase order.
- Preparing the financial and technical tender proposals.
- Prepare material submittals for all mechanical works.
- Negotiate the best payment terms and contract conditions and keep accurate records to justify the process and any other related decisions made in this regard.

• **Fit out projects as follows:**

- Army Prosthetic Devices Hospital, El Agouza.
- Two branches for the tax administration authority, Hurghada and Shaikh Zayed.
- Two branches for the National Bank of Egypt (NBE), El Batrawy and Sohag.
- Two branches for Bank Misr, New Sohag and New Asyoot.
- Arab Investment Bank (AIBK) admin. Office, Tahrir Square.
- Arab African International Bank (AAIB) branch, El Obour Buildings.

Education

Al Mansoura University

Bachelor of Science in Power Mechanical Engineering from the Faculty of Engineering,

EGYPT

2016

Skills

Responsibility and commitment · Collaborates · Communicates Effectively · Conflict resolution · Documentation · Time Management · Self- Development · Quality assurance · Action Oriented · Situational Adaptability. · BIM coordination · Technical support · Problem solving · Project management

Programs: AutoCAD · Revit · Navisworks · Duct sizer · HAP · MS Office Package · Aconex familiar

Codes and standards: ASHREA · SMACNA · NFPA · IPC · UPC · ANSI · ASTM · KSA construction codes

Certification

LEED Green Associate — U.S. Green building council- ID 11677568

PMP Project management institute PMI, ID 4170258

Design Fire Fighting and HVAC systems — EGYCET Company

Revit MEP — EGYCET Company

Languages

Arabic Native ●●●●●

English Advanced ●●●●●