

Mohammed Eldreeny Mohammed

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- Nationality: Egyptian
- Date of birth: jun. 21st, 1997
- Place of Birth: Alexandria, Egypt
- Military status: Exempted
- Marital status: single
- Saudi Residence Type: single

SUMMARY

- Mechanical Engineer +3 years of experience in the mechanical field, active supervision management at MEP especially in firefighting and MEP BIM modeling. Experienced with almost all stages of the development cycle for the projects.
- Accomplished success in site supervision & projects management, test and commissioning of the specialist firefighting systems.

EXPERIENCE

Site electromechanical engineer

04 / 2025 – now

Responsibilities:

- Study the SOW (scope of work), prepare shop drawings, develop an operation plan & schedule, progress monitoring & reporting, and prepare the document list needed, for the project.
- Initiate transfer, recruitment, or repatriation of resources from and to the different projects and provide support for all operations and extension requests.
- Lead the team of installation in the projects and make a high-quality supervision to meet the projects requirements.
- Prepare as-builts after installation to submit the IR'S to the consultants
- Make the tests and commissioning plan for each system and submit to the consultant.

Accomplishments:

Saudi entertainment venture projects (seven) with Hassan Allam construction at Al-Kharj city:

- Successful implementation of project, like:
 - Supply of the novac cylinders, pipes and nozzles.
 - Supply of the fire alarm system like: panels and detectors.
 - Installation of novac mechanical system .
 - Installation of fire alarm system.
 - Test and commissioning of all systems
- Achieve Marine Purchases (complete process).

Mechanical BIM Engineer

10 / 2023 – 04 / 2025

Concerted Solutions – Alexandria, Egypt

Responsibilities:

- Building 3d models, clash detection, . attend coordination meetings , Prepare shop drawings and technical submittals, Responsible for project related documentations
- Prepares BOQ schedules from BIM modeling, Performing design engineering responsibilities. Verifying the technical aspect of quotes received from vendors, processing purchase orders.
- Logistics and Freight: prepare shipping documents, negotiate with forwarders and arrange shipment at the best possible freight and ensure documents are received on time.
- Aware of accounting processes and ERP (Enterprise Resource Planning) systems.

Accomplishments:

- **Scan to BIM**
- We received the shop drawings, the RFI's, FCR's, Revit models and the point clouds as Inputs.
- our scope is to extract the LOD 500 BIM model after reviewing the sheets and compare it with the point cloud and editing or changing as shown in the point cloud, RFI's and FCR's, then we extract the LOD 500 BIM model sheets (as built) as our outputs.
- **Coordination and shop drawings**
- Preparation of IFT, BEP according to project specs and client requirements.
- Study the project MEP systems and change families as per material submittals received from the client.
- Start to coordinate and collaborate with architects, engineers and subcontractors to resolve the design conflicts.
- Extract the shop drawings and the coordinated models as per BEP and client requirements.
- Work on the Navis work to achieve zero clash and free clash models.

Site & Projects Mechanical Engineer

07 / 2022 – 9 / 2023

Firetech for contracting – Alexandria, Egypt

Responsibilities:

- Managing all activities at the site, checking plans, drawings, quantities for accuracy of calculation policies, monitoring the site labor force, and all material used to be as per specifications leading.
- Planning the work and efficiently organizing the plant and site facilities to meet the agreed deadline.
- Manage projects containing many firefighting systems. Manage scope, requirements, time, cost, quality, risks, and integration.
- Respond, determine, maintain, test, and re-operate faults and crashes.
- Cooperate with managers and guide my team to complete work.
- Develop project concepts and maintain optimal workflow.

Accomplishments:

- Fayium ghazl factory firefighting system – fayium / Egypt.
- Eldoaa hospital firefighting system in – Cairo / Egypt.

EDUCATION

Oct. 2017 – July 2022: Bachelor of Engineering, (Mechanical) Engineering Department, Faculty of Engineering, Alexandria University.

Graduation Project: Hospital HVAC design with excellent grade.

CERTIFICATES & COURSES

- MEP MAX at ASEC consultant.
 - Fire Fighting system design.
 - Piping Construction.
 - Start Professional. Includes (Time Management, team building, Presentation Skills, and Personal Effectiveness) - Faculty of Engineering, Alexandria University.
 - BIM online Course.
 - Risk-Based Inspection
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SKILLS / INTERESTS / MISCELLANEOUS

- Hard Skills: Engineering, Project Management, Planning & Scheduling, Technical Specifications, Supply Chain Management, Strategic Sourcing, Supplier Quality, Data & Cost Analysis, Cost Reduction, Purchase Order, BOM, Logistics, Negotiation.

- Soft Skills: Self-directed learning, Strong organizational skills, Multitasker and systematic, Career stability, Adoptability, Ability to work independently and as part of a team, Excellent interpersonal skills, Time Management.
- Computer Skills: Proficient in AutoCAD, Revit MEP, Hap, Elite fire, ASHRAE duct fitting database, Duct sizer, MS Office and Navisworks.
- Language Skills: Native Arabic speaker, Very Good in English.
- Interests: Reading, Internet Surfing, Music, Sports, and not a smoker.