

Abdulrahman Fiad

Mechanical Engineer

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PROFESSIONAL SUMMARY

Mechanical engineer with over 2 years of experience specializing in the design and installation, of HVAC, firefighting, and plumbing systems for large-scale commercial and industrial projects.

PROFESSIONAL EXPERIENCE

Mechanical Engineer

Innovate Solutions (Concord Group) | Cairo, Egypt

2024 - Present

- Managed the installation of mechanical systems (HVAC, firefighting, plumbing) for a commercial, residential buildings, ensuring full compliance with design standards and safety codes.
- Supervised on-site installation of sewage, water supply, and firefighting infrastructure networks.
- Perform accurate quantity take-offs for pipes, ducts, fittings, and consumables, coordinating timely material deliveries to avoid project delays.
- Managing the flow of the documentations

EDUCATION

Bachelor of Mechatronics Engineering

Mansoura University | 2019 - 2024

- GPA: 3.34

- Graduation Project: Sorting System based on size using SCADA and Encoder

KEY PROJECTS

- **Kemet Industrial Complex** (ongoing): Supervised on-site installation of sewage, water supply, and firefighting infrastructure networks, including pipe laying, slope alignment, valve chambers, hydrant positioning, and pressure testing. Coordinated with civil teams for trenching, backfilling, and pipe protection while ensuring compliance with design standards, safety regulations, and project timelines.

- **Adly Mansour Commercial Mall:** Oversaw the installation of HVAC, firefighting, and plumbing systems for a 30,000 sq. mt. commercial mall, driving cost reductions by 30% through effective clash resolution and project management.

KEY SKILLS

Technical Skills

- HVAC design, installation.
- Firefighting system design and installation.
- Shop drawing
- Technical documentation
- Quantity surveying (QS)

Software Skills

- AutoCAD, Revit
- MS Office.
- HAP, Elite, duct sizer, pipe sizer

CERTIFICATIONS & TRAINING

- HVAC Design | Oct 2024
- Firefighting System Design | Dec 2024
- Business English Course | AUC | Sep 2024

FIELD TRAINING

- Central Delta Electricity production company | July 2021
- Wave oil (WAVCO) | July 2022
- Essa Automotive company | Aug 2022
- Egyptian company for heavy equipment | July 2023

LANGUAGES

- Arabic: Native
- English: Fluent

ADDITIONAL INFORMATION

- SCE: Available
- Willing to relocate: Yes