

# AHMED ABDELSALAM

## Technical Office Infrastructure Engineer

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### Summary:

I'm a Civil Engineer with 6 years of experience in the field of infrastructure engineering in Saudi Arabia and Egypt seeking a challenging opportunity with a reputable company where my skills, experience and academic background can be implemented, utilized and professionally developed and take this establishment to an advanced level during my position.

### Education:

Faculty of engineering Kafr Elsheikh University.

Bachelor's (B. SC.) Degree in Civil Engineering.

Sep 2014 – June 2019

### Work experience:

#### Modern Accuracy for Contracting (AMC).

**Saudi Arabia**

Job title: **Technical Office Engineer**

**Jeddah**

10/2024 – Until now

**Project 1:** Drainage Solution for Al-Manar Area (Nf59) Additional Lines Implementation of a rainwater drainage line (GRP pipes). The connection is made to the existing rainwater network to implement a flood line and implement rain traps to drain it to the existing network. The total length of the main network to be implemented is 24100 meters with a diameter of 600 mm and 8140 meters with a diameter of 500 mm and 21800 meters with a diameter of 300 mm including install MH & PRD and CB.

**Owner:** Jeddah Municipality.

**Consultant:** Vision Dimensions for Consulting

#### Modern Accuracy for Contracting (AMC).

**Saudi Arabia**

Job title: **Technical Office Engineer**

**Jeddah**

06/2024 – Until now

**Project 2:** Construction of Portable Water Networks in AL-Qarnyah District. This project comes within the objectives of the National Water Company to achieve sustainable development in meeting the needs of citizens for drinking water and sanitation services in the Kingdom with a total length of approximately 42500 meters and diameters ranging from 110 mm to 600 mm (HDPE & DI Pipes).

Including install chambers for Air & Washout & Flowmeter & Butterfly & PRV and Gate Valves.

**Main Contractor:** AL-Sabq AL-Arabi Company for Trading & Contracting (SATC)

**Owner:** National Water Company (NWC).

**Consultant:** YARD Consulting Engineers.

### Key Responsibilities:

- Utilize design software such as Part builder, Civil 3D AutoCAD to create and design engineering drawings, plans, Shop drawings and As-Built Drawings.
- Creating and managing custom parts in Part Builder and Autodesk Inventor
- Clash detection and resolution using Navisworks
- BIM modeling and analysis for infrastructure projects.

- Coordinating between wet and dry utilities to ensure conflict-free designs.
- LOD 300 specialist for detailed and fabrication-ready models
- Accurately prepare a quantitative inventory of all project items.
- Prepare monthly statements for the contractor and consultant.
- Prepare revised bills of quantities based on actual developments on site.
- Coordinate daily technical work with the site team and consultant.
- Review implementation plans and ensures compliance with approved specifications and standards.
- The document completed work and updated periodic technical reports.
- Follow up on any comments from supervising authorities and address them.
- Analyze tender documents and technical specifications and prepare the necessary technical proposals and files for bidding.
- Document Management: Update and manage all technical documents ensuring they comply with the required standards and specifications and keep them organized and easily accessible.
- Team Coordination: Coordinate between different work teams, including engineers, contractors, and clients, to ensure the effective and efficient implementation of all technical aspects of the projects.
- Report Preparation: Prepare periodic reports detailing work progress, project status, challenges faced, and proposed solutions.
- Progress Monitoring: Track the progress of the project to ensure it adheres to the scheduled timeline and plan and conduct field visits to ensure technical specifications are being met.
- Change Management: Handle any changes or modifications to the scope of work or technical drawings, and ensure these changes are properly approved and followed up.
- Technical Meetings: Attend technical meetings with clients, consultants, or contractors to discuss project details and ensure all parties agree on the plans and required standards.
- Ensure compliance with design specifications and regulatory requirements.

### International Company for Constructions (ICC).

Egypt

Job title: **Technical Office Engineer**

**Menoufia**

09/2023 – 6/2024

**Project 3:** Sewage works for Qashtoukh, Al-Bandaria and Ahmed Suleiman Al-Tawkhi estate, AlKamaisha complex - Tala - Menoufia Governorate. Gravity networks - Discharge lines - Lifting stations.

Trenchless construction includes Micro Tunneling Method (MTM), Horizontal Directional Drilling (HDD) and Pipe Jacking (PJ).

**Financier:** The world Bank (Sustainable Rural Sanitation Services Program).

**Consultant:** Enviro Consult.

### International Company for Constructions (ICC).

Egypt

Job title: **Quantity surveyor**

**Damietta**

12/2022 – 09/2023

**Project 4:** Establishing 6 lift pump sewage stations and the associated discharge lines, line rooms, tunnel runners, septic tanks, water and sewage networks.

**Financier:** Holding Company Water and Wastewater

**Consultant:** INFRA Engineering Consultants.

### International Company for Constructions (ICC).

Egypt

Job title: **Site engineer**

**Giza**

06/2019 – 12/2022

**Project 5:** Establishing 4 sewage pump stations and the associated discharge lines, air chambers, washout chambers, flowmeters chambers, valves chambers, slowdown chambers, septic tanks, driving and receiving pits, sewage networks and house connections (diameter 110 mm to 650mm).

Trenchless construction includes Micro Tunneling Method (MTM), Horizontal Directional Drilling (HDD) and Pipe Jacking (PJ)

**Financier:** Arab Fund for Economic & Social Development

**Consultant:** MISR CONSULT.

## Key Responsibilities:

- **Supervision of Execution:** Monitor the execution process on-site to ensure all work is carried out according to plans and technical specifications.
- **Coordination with Different Teams:** Coordinate between different teams such as workers, engineers, and contractors to ensure smooth and efficient workflow.
- **Quality Assurance:** Conduct regular inspections to ensure all work adheres to the required quality standards.
- **Materials Management:** Oversee the receipt of materials, ensure proper storage, and efficient usage.
- **Problem-Solving on Site:** Address immediate issues that may arise during execution and provide quick and effective solutions.
- **Report Preparation:** Submit periodic reports on work progress and project updates to project management or clients.
- **Safety Assurance:** Ensure all activities are conducted in compliance with occupational safety and health standards and conduct necessary training for workers.
- **Schedule Management:** Ensure all work is executed according to the specified timeline, making necessary adjustments to maintain progress.
- **Inspection of Executed Work:** Verify that completed work aligns with plans and specifications, documenting any notes or changes.

## Computer Skills:

CIVIL 3D	PARTBUILDER	AUTOCAD	INVENTOR
NAVISWORK	OFFICE	EXCEL	
WATER GEMS(Study).	WATER CAD(Study).	SEWER GEMS(Study).	
SEWER CAD(Study)			

## Certifications and Training Courses

### IN PROGRESS COURSES:

- **Full Wet Utilities Design course (137 Hours).**
  - Instructor: Eng. Aly Fathy
  - Description: Design water, fire, sewer and storm networks and design transmission lines reservoirs, pumps, valves using software like Water GEMS, Sewer GEMS and STORM CAD.
- **BIM Infrastructure Diploma (86 Hours).**
  - Instructors: Eng. Ahmed Elshenawy
  - Description: Applied BIM methodology for infrastructure projects using Civil 3D, REVIT, NAVISWORK and INFRAWORKS.

### FINISHED COURSES:

- **Infrastructure QS Course (30 Hours)**
  - Instructor: Eng. Mohamed Araby
  - Description: Quantity surveying and estimation for infrastructure projects.
- **Management and Implementation of Infrastructure Projects**
  - Instructor: Eng. Abd eltawab Sharaf Aldeen (60 Hours)
  - Description: Strategic planning and management of infrastructure projects.
- **Cost Estimation Course**
  - Instructor: Eng. Omar Fouad (27 Hours)
  - Description: Cost estimation for construction and infrastructure projects.
- **Site Works Training diploma (200 Hours)**
  - Instructor: Eng. Mostafa Afifi
  - Description: Supervision of construction works and finishing

## Languages:

- Arabic (Native Language).
- English.

## Others:

- Member of the Saudi Council of Engineers.
- Member of the Egyptian Engineers Syndicate.
- Transferable Iqama.
- Driving license: Yes
- Marital Status: Married

June 2024 – Until Now

June 2019 – Until Now