

# Ahmed Mansour Fawzy Ahmed

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## Personal Data

- **Date of birth:** 20/09/1984.
- **Nationality:** Egyptian.
- **Marital Status:** married.

## Job Title

- I am hard working mechanical engineering with 18 years' experience in construction high rise building & construction water and treatment plants& infrastructure, design review for all mechanical systems, pumps, HVAC& Firefighting, plumbing, technical office, coordinator, facility management, construction supervision, project management, seeking a Challenging Position in the field where my skills and educational background can be applied and further developed.

## Professional Experience

- **Supervision and MEP project management** (3 / 2025 – until now)  
CROWN CONSULT International Engineering Consultancy in **Project** Development of inbound passengers Area and residential & Administrative Buildings at Alwadiah land port, **Client** Zakat, Tax and Customs Authority. in Kingdom of Saudi Arabia.
  - Review technical office process (design drawing – shop drawing– submittals materials)
  - Monitor and supervision the installation for all project mechanical system (HVAC – FIRE FIGHTING – PLUMBING), material inspection request, request for approval, request for information, site instruction, inspection request, non-conformance report
  - Follow up daily site progress & Reviewing installation & testing for all mechanical works.
- **Technical office and Supervising Execution** ( 1 / 2025 -2/2025 )  
Azzam Elshreef Company (abn) in **Project** Masjid Namira Arafat Mecca, **Client** Kidana company. in Kingdom of Saudi Arabia.
  - Preparing and submitted Technical Documents to approval This includes shop drawings, data sheet for material submittal fans, pump rooms for irrigation & pump room for water fans, valve chamber. Water supply networks for fans & irrigation networks, after check on design review.
  - Preparing Purchase Orders for valve chamber, all mechanical fitting and quantity survey.
  - Preparing Revised Bill of Quantities (BOQ) refers to an updated version of the original list of materials, work items, and quantities required for a construction project.

- **Supervision and MEP project management**

( 11 / 2023 – 12 / 2024 )

Engineering consultants group SA(ECG) In **Project** mixed use service area, administrative buildings, clinics, police & fire station, mosque Area project 50000m<sup>2</sup>, Egypt. **Client** MIDAR Company for urban development.

- overseeing the work of the project management and ensuring adherence to the project schedule.
- Technical office manager, Review technical office process (design drawing – shop drawing – quantity surveyor – submittals materials) related with international codes & specifications of practices (ASHRAE, SMACNA, NFPA, IPC) and coordination composite drawing plans for medical gas system & sanitary, drainage, water supply works, Air conditioning system, vrv system, ventilation fans and firefighting works & clean agents fire extinguishing system.
- Follow up daily site progress & Reviewing installation & testing for all mechanical works and startup & commissioning for all system.
- Attending owner meeting & executive managers on a weekly basis to discussing and presenting all visions on developments in the implementation stages.

- **Senior mechanical engineer**

( 05 / 2018 – 12 / 2023 )

Engineering consultants group SA(ECG) In **Project** Construction of New Building for Administrative Control Authority in New capital, Egypt. **Client** Military Works Administration.

Area project 124000m<sup>2</sup>, 3Billion pounds (Main Building-Admin building- Control building) 2 parts – fifteenth floor for each building & Basement Area 47155m<sup>2</sup> & Conference Hall - Mosque - Generator rooms. Water cooled chillers 700 TR, cooling tower, Air cooled chillers 202 & 334 TR for two Data center system, Fan coil unit, Condensing split unit, Air handling unit, fresh air handling unit, Variable refrigerant flow ( vrv system ) , computer room air handling unit, Exhaust fans, pressurization fans, smoke fans, Domestic Pump station, Fire pump station, irrigation pump station, chilled water pumps, thermal storage tank, expansion tank, CO2 System, Novec system, Foam system, deluge system, preaction system, fire cabinet, fuel System, medical system, Hvac, Firefighting, plumbing System.

- Monitor and supervision the installation for all project mechanical system, material inspection request, request for approval, request for information, site instruction, inspection request
- Review material submittals, shop drawings, quantity survey, Asbuilts, etc.
- Attend Site Inspection and manage its distribution to the Mechanical team and find mechanical solutions & design work if required.
- Providing daily report progress and attending meetings with the owner to discuss all technical matters.
- Testing and startup & commissioning of these systems.

- **Supervision mechanical engineer**

( 03 / 2018 – 08 / 2018 )

Engineering consultants group SA (ECG) In **Project** ALmokhtabar lab, Egypt **client** ALmokhtabar lab.

- Area project 5000m<sup>2</sup> Office building in smart village 3floor, 2Basement, Air cooled chiller 133TR, Split unit, Fan coil unit, Air handling unit, Pressurization Fan, exhaust fans.

- *Inspection request & material inspection Duct work (galvanized and black steel) heat ventilation air condition, sprinklers, fire department connection, fire hose cabinet, network firefighting with zone control valve, alarm check valve, foam system, preaction system, water & drainage plumbing system As per approved shop drawing, specification, method of statement & international codes.*

- **Maintenance Manager engineer** ( 12 / 2016 – 03 / 2018 )

*Arabia contracting company on the central of city sewage pumping stations operation and maintenance with capacity 80.000 m<sup>3</sup>/day in New Cairo Fifth Compound and Elobour lifting sewage station capacity 65.000 m<sup>3</sup>/day in Egypt.*

- *facility management, prepare mechanical maintenance plans and supervise the technicians to follow up All mechanical works pumps, shaft, impeller, bearing, mechanical packing, coupling motor and coupling pump, gearbox gate valve, inspection temperature measure during work operation to bearing pump, check valves, gate valves, submersible pump, mechanical screen, generator, Overhead crane, water hammer, pipe welding, fan coil unit, test of generator.*
- *daily report for operation efficiency, follow up and distribute tasks on observing supervisors*
- *make sure that the quality of machines equipment maintenance operations carried out by third parties with reference standards.*

- **General mechanical engineer** ( 10 / 2015 – 05 / 2016 )

*Saad Almoby Company in project Development of industrial city in Alkharj in Kingdom of Saudi Arabia Client the Saudi authority for industrial cities and technology (MODON) .*

*Review and prepare Technical Office for all mechanical material submittals and price break down, variation order for layout irrigation, firefighting, potable water, sewage & storm networks.*

- **General mechanical engineer** ( 06 / 2014 – 10 / 2015 )

*Saad Almoby Company in project Alharth jizan in Kingdom of Saudi Arabia.*

- *Implemented & technical office for potable pump station including pumps and ductile pipes with all fittings, valves, overhead crane, flow meter chamber and networks house connection with fitting High density poly Ethylene, installed the fire hydrant & fire cabinet, air valve chamber, washout valve chamber, make shop drawing, submit material submittals to approved from consultants, and executed the concealed ducted split system, exhaust fans for toilets, electric room & generator room.*

- **General mechanical engineer** ( 10 / 2013 – 06 / 2014 )

*Saad Almoby Company in project housing Tabouk in Kingdom of Saudi Arabia. Client Ministry of housing.*

- *Generally responsible for implementations and monitoring of all mechanical infrastructure related works at site as per approved drawing and method of statement and safety rules.*
- *Submit site daily reports & material inspection request & request for information, request for approval, preparing quantities surveyor and executed for water, fire, sewage, storm network & fire hydrant.*

• **General mechanical engineer** ( 03 / 2013 – 10 / 2013 )

Saad Almoby Company in a project industrial gate city Riyadh in Kingdom of Saudi Arabia.

- implementation main line of the domestic water network, house connection pipe upvc, Grp for sewage, storm and irrigation & fire fighting networks, fire hydrant, and mechanical lifting pumping station water & irrigation tank.
- coordinating on site work with other trades to achievement progress works at time schedule project.

• **Site mechanical engineer** ( 12 / 2011 – 03 / 2013 )

Egyptian contracting company {Mokhtar Ebrahim} in project new Cairo raw water Intake and pumping station with capacity 4million m<sup>3</sup>/day.

- implementation of all Mechanical installation system in pumping station, pumps with motor, steel pipe line, Gantry crane, mechanical screen, butterfly valves, check valves, water hammer system.

• **Site mechanical engineer** ( 05 / 2012 – 02 / 2013 )

Egyptian contracting company {Mokhtar Ebrahim} in project north Helwan treatment plant Station With capacity 200.000 m<sup>3</sup>/day.

- implementation of Mechanical installation and maintenance work pumps, valves, pipes welding.

• **Site mechanical engineer** ( 01 / 2008 – 11 / 2011 )

Egyptian contracting company {Mokhtar Ebrahim} in project Ameria potable Treatment Plant with capacity 200.000 m<sup>3</sup>/day.

- implementation of all Mechanical installation system including clarifier, filtration system, (raw water suction & discharge pumps and treatment water suction & discharge pumps) and all fitting in pumps room, chlorination & chemical building as per approved shop drawing.

### **Other course**

- certificate from the Egyptian Company for engineering training in the design of central air conditioning course and calculate loads Manuel and HAP program, and design Air Duct, fan & pump selection to chilled water system & design of Elite fighting program & design water size for water supply & drainage plumbing system .

## *Education*

- *Bachelor's degree in Mechatronics Engineering 2006, from high Institute of Engineering in 6 October City.*
- *Period of Study: 5 Years.*
- *Grade: Good.*
- *Project Grade: very good.*

## *Add Education*

- *Certificate Diploma of Pipelines & Pumps and Turbines 2012, from faculty of engineering, Cairo University.*
- *Period of Study: 2 Years.*
- *Grade: very Good.*
- *Project Grade: Excellent.*

## *Languages*

- *Arabic: Mother language.*
- *English: Very Good speaking & writing and reading*

## *Computer Skills*

- *Excellent knowledge of design duct sizer, HAP, Elite, water supply & drainage system.*
- *Advanced command of Microsoft Office skills: Word, Excel, PowerPoint.*
- *Very good user in AutoCAD.*

## *Communication skills*

- *Project management and supervision skills.*
- *Ability to work with multiple discipline projects.*
- *Strong analytical thinking and problem solving skills.*
- *Time management.*