

Alaa Ahmed Mohamed Ibrahim



Contact information

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Languages

[-ARABIC](#)

[-ENGLISH](#)

Education

- Faculty of Engineering
Mechanical Power
department,
[Alexandria University.](#)
- Year of Graduation: [2012.](#)
- Date of birth: [16/6/1990](#)

Summary

PMP Certified mechanical engineer with 14 years of experience as site & technical office engineer in mega, fast track & high-rise projects like hotels, residential compounds, hospitals, banks & others, I worked in all MEP systems like: **HVAC:** (chilled water, VRF, package systems & all duct work).

Firefighting: (pump rooms, sprinklers network, fire hose cabinets, CO2, FM200 systems & infrastructure firefighting networks).

Plumbing: (infrastructure: sewage, storm, water supply, irrigation,) & All Internal plumbing work.

I also worked in studying projects, tendering & cost estimation.

Skill Highlights

- Project management.
- Design Skills
- Ability to lead a large number of people.
- Stakeholders' management.
- Strategic & interaction thinking.
- Computer skills: ([Microsoft Office](#), [AutoCAD](#), [REVIT](#), [Elite firefighting](#), [HAP](#)).

Certifications

PMP PMI.

HVAC, Firefighting & plumbing design.

Work Experience

CONSULTANT



Mechanical Section Head at Tharawat Real estate company.

From 07/2025 till now

(Taiba Towers, kudai parking, AL Manar compound) MAKKAH

Duties & responsibilities:

- Supervise and manage the daily mechanical construction activities on the projects.
- Plan, develop, and organize the mechanical construction process to create the most cost-effective plan, ensuring timely completion within budget, and oversee its execution.
- Responsible for executing the scope of work related to construction/fabrication and pre-commissioning in line with the approved project schedule.
- Monitor and report project details, including progress, risks, and opportunities, to the Project Manager promptly.
- Ensure all changes to specifications, work scope, and drawings are properly documented.
- Adhere to Safety, EHS, and Quality Standards in compliance with relevant policies and procedures.
- Manage site, design, and mechanical construction processes.
- Plan and allocate all resources, including labor, materials, and subcontractors.
- Lead and motivate the team to meet all project requirements and deadlines.
- Communicate clearly and effectively with all stakeholders.



CONSULTANT



Senior Mechanical Engineer at ALODOOD Construction.

From 02/2024 till 7/2025

(Student Housing of Shaqraa University) Shaqraa, RIYADH

Duties & responsibilities:

- Prepare, submit & follow up the shop drawings, MS, QS, invoices, RFI, RFP & as-built drawings for HVAC, Firefighting, plumbing systems.
- Supervise the Implementation of HVAC, Firefighting, plumbing systems.



CONSULTANT



Team Leder Mechanical Engineer at Orascom Construction

From 02/2019 till 2/2024

(ALMASAH Hotel, Latin Quarter) New Alamein City

Duties & responsibilities:

(ALMASAH Hotel project):

-Implementing of all mechanical works like:

Chilled water: Chiller station, ETS rooms, fan coil units, air handling units, black steel piping, duct work & ventilation fans.

Plumbing: internal networks (UPVC, HDPE & PPR PIPES), fixture units, ceiling imbedded pipes up to 400mm diameter.

Firefighting: sprinklers piping, hose cabinets, CO2 & FM200 network.

(Latin Quarter project):

-Preparing QS sheets of needed material for HVAC, Plumbing, firefighting systems.

-Preparing subcontractors' invoices.

-Supervise the Implementation of all mechanical works like:

VRF system: indoor & outdoor units& copper network.

Ventilation system: fans smoke & exhaust ducts.

Plumbing: internal PPR & UPVC pipes, external infrastructure pipes (HDPE, UPVC) up to 600mm diameter.

Firefighting: sprinklers piping, hose cabinets, CO2 & FM200 network.



Senior Mechanical Engineer at Maxim Investment Group

From 4/2018 to 2/2019.

(Bo-Island residential compound)

Duties & responsibilities:

- Prepare, submit & follow up the shop drawings, QS, invoices, RFI, RFP & as built drawings for plumbing work (internal & infrastructure).
- Supervise the Implementation of plumbing (internal work & infrastructure)
- Supervise the Implementation of crystal lagoons.



Mechanical Engineer at Falcon Power Systems

From 7/2016 to 4/2018

(Moon city residential compound, NBE bank Matrouh branch, Smouha Club, Abbas Helmy hospital, karmouz hospital).

Duties & responsibilities:

(Technical office Duties):

- Prepare, submit and follow up the shop drawings, QS, invoices & composite drawings of (Fire pump rooms, chilled water systems, fire sprinklers networks, Duct passages, plumbing networks.
- Identify and quantify cost factors, such as rates, materials and labor expenses.
- Evaluate the product technical compliance with the client requirements.
- Prepare technical offers & financial offers.
- Study and evaluate received subcontractor offer.

(Site Duties):

(Smouha Club project):

-Supervise the Implementation of chilled water system of bowling hall (Chiller station, FCU units, piping, duct work, duct & piping insulation).

(NBE bank Matrouh branch project):

-Supervise the Implementation of package HVAC system (outdoor units, duct work).

-Supervise the Implementation of fire system (pumps, sprinklers network, cabinets).

(Moon city residential compound project):

-Supervise the Implementation of fire water tank (buddle flanges, diesel, electrical, jockey pumps, valves, PRV& sensors).

-Supervise the Implementation of infrastructure network (HDPE, UPVC) up to 600 mm diameter.

(Abbas Helmy hospital project):

-Supervise the Implementation of VRF system (outdoor units , concealed units , duct work)

(karmouz hospital project) :

-Supervise the Implementation of fire water tank(pumps, cabinets) & take civil defense approval .

CONSULTANT



Mechanical Engineer at Solid constructions

From 8/2015 to 7/2016

(Palm Hills residential compound)

Duties & responsibilities:

-Prepare, submit and follow up the shop drawings, QS, invoices & as built drawings of plumbing system (infrastructure& internal work).

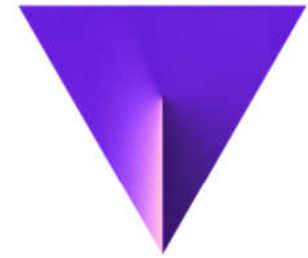
-Supervise the Implementation of plumbing system.



Mechanical Engineer at **Weatherford** weatherford international

From 3/2013 to 8/2015

- Supervise the Implementation of all mechanical works like: Plumbing,
Firefighting & AC units.



THIS IS TO CERTIFY THAT

Alaa Ahmed Mohamed Ibrahim Ahmed

HAS BEEN FORMALLY EVALUATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND PERFORMANCE IN ACHIEVING AN ORGANIZATIONAL OBJECTIVE THROUGH DEFINING AND OVERSEEING PROJECTS AND RESOURCES AND IS HEREBY BESTOWED THE GLOBAL PROFESSIONAL CERTIFICATION

Project Management Professional (PMP)[®]

IN TESTIMONY WHEREOF, WE HAVE SUBSCRIBED OUR SIGNATURES UNDER THE SEAL OF THE INSTITUTE

A handwritten signature in black ink, reading 'Ike Nwankwo'.

Ike Nwankwo, PMP | Chair, Board of Directors



A handwritten signature in black ink, reading 'Pierre Le Manh'.

Pierre Le Manh | President & CEO

Certification Number: 4305314

Original Grant Date: 18 February 2026

Expiration Date: 18 February 2029

Citizenship: Egypt

