



MOHAMMED ISMAIL NASSAR
(MECHANICAL ENGINEER)

CONTACT:

 **0548262133**
 enm.nassar@gmail.com
My Address: Dammam, KSA

BRIFE SUMMARY:

An experienced mechanical engineer with over 14 years of experience in construction companies and management processes to assist the construction methodology. I have an excellent reputation for resolving problems and improving customer satisfaction. Holding a LEED Green Associate (GA) accreditation, I am passionate about sustainability and integrating energy-efficient, environmentally friendly solutions into mechanical designs. Additionally, as a PMP-certified professional, I apply project management best practices to ensure efficient execution and compliance with industry standards.

EDUCATION:

Banha University, Shubhra Faculty of Engineering, Cairo. (JULY 2005- SEP 2011)
Bachelor's degree in engineering.
Department: Mechanical Power Engineering. • Grade: Very Good.
Graduation Project: Heat, ventilation and Air Conditioning (HVAC). • Grade: Excellent.

CERTIFICATIONS:

- USA, Project Management Institute [PMI]-[PMP].
- USGBC-LEED Green Associate (GA).
- USGBC-LEED AP BD+C (Design Building and Construction) in progress.
- Firefighting system design, Engineers' House.
- HVAC (Heating, Ventilation, and Air Conditioning) System Design course. DAR El-Tasmem academy.

PROFESSIONAL EXPERIENCE:

- **Company: Osama Bin Zaid Azraq Group** (JAN 2025 till now)
- **Web site:** <https://www.osamaazraq.com/>
- **Mechanical Engineer (Construction Manager)**
- **Location:** Dammam, KSA
- **Project:** King Abdulaziz Port, Dammam
- **Owner:** Saudi Ports Authority
- **Main Consultant:** Amnoon Consultations

Company: Hassan Allam Construction Company (MAR 2017- JAN 2025)
• **Web Address :** <https://www.hassanallam.com/>

- **Mechanical Engineer (Section Head)** (JUN 2023- JAN 2025)
- **Location :** Toshka City, Aswan, Egypt.

- Project: South Valley Development Project in Toshka area (Irrigation network and pump stations)
- Owner: Wataniya for Agriculture and Reclamation desert land on East Owainat.
- Main Consultant: Faculty of Engineering – Ain Sham University .

Mechanical Engineer (Team leader Mechanical Engineer) (JAN 2022- JUN 2023)

- Location : Cairo Egypt.
- Project: Grand Egyptian Museum (Solar Boat Building).
- Owner: Ministry of Antiquities.
- Main Consultant: EHAF-Consulting Engineers.
- Project Management: HILL-International.

Mechanical Engineer (Lead Site) (NOV 2020- JAN 2022)

- Location: Maadi, Cairo, Egypt
- Project: Cairo American College (CAC)
- Owner: New Urban Communities Authority.
- Main Consultant: Cosmos-E Engineers and Consultants.
- Project Management: CAC Management Office.

Senior Mechanical Engineer (Site Engineer) (APR 2019- NOV 2020)

- Location: New Administrative Capita, Egypt
- Project: The Government District
- Owner: New Urban Communities Authority.
- Main Consultant: Dar Al-Handasah.

Senior Mechanical Engineer (Site Engineer) (MAR 2017- APR 2019)

- Location: Mustard, Cairo, Egypt
- Project: The Government District
- Owner: Egyptian Refining Company-Qalaa Holdings.
- Main Consultant: WorleyParsons.

Company: Egypt Cool for Construction Company (OCT 2015- FEB 2017)

- Senior Mechanical Engineer (Site Engineer)
- Location: Cairo, Egypt.
- Description of Tasks: Supervised and monitored the daily tasks of subcontractors Supervise and follow up the various activities for the implementation of mechanical works, firefighting systems (sprinkler water system, water mist system), and firefighting water piping networks. Supervise and follow up on the domestic pump rooms, recorded daily events and activities in the site diary to evaluate the process and improve productivity, Manage the quality control processes.

• **Junior Site Mechanical Engineer**

• **Location: Cairo, Egypt.**

• **Description of Tasks: Supervise and follow up the various activities for the implementation of mechanical works as the following: HVAC systems (DX systems and ductwork systems), Firefighting systems (sprinkler water systems), Variable refrigeration volume system (VRV) LG brand.**

PREVIOUS PROJECT TASKS:

- **Provide support to and coordinate with Project Manager on all mechanical issues in the course of projects including HVAC, plumbing and firefighting.**
- **Provide support the works related to irrigation networks and pump stations rooms.**
- **Evaluate and recommend feasible construction methodology as per site conditions and as per contract requirements.**
- **Working as lead site mechanical engineer and coordinating with all disciplines for the successful completion of the project, leading a group of mechanical engineers to manage, plan, and resolve contractors' conflicts and engineering issues.**
- **Review shop drawings, materials submittal, and method statements to ensure the smooth running of the project.**
- **Plan and follow up the construction activities according to the project schedule. Monitor and follow-up the rate of progress of the work and make recommendations in case of deviation from the plans.**
- **Performed field walk-downs of proposed installation sites, inspecting facilities for potential issues.**
- **Ensures all works carried comply with the mechanical drawings and project specifications as stipulated.**
- **Manage the quality control processes and maintains job records, text reports and similar documentation.**
- **To make certain that all architectural drawings are in line and coordinated with other departmental design drawings prior proceeding with structural work and to highlight any discrepancies for necessary correction.**
- **Conduct site inspections to ascertain standards of safety and structural quality are being met.**
- **Testing and commissioning of mechanical systems and their interface with the building management system (BMS).**
- **Review and check the cause-and-effect matrix.**

AREA of EXPERTISE:

- **Air-cooled and water-cooled chilled water systems.**
- **Cooling towers**
- **HVAC systems (DX systems & VRV systems).**
- **Irrigation networks .**
- **Pump stations.**

- Plumbing systems (storm, drain, potable water, waste, etc.).
- Firefighting systems (traditional, water mist, pre-action, etc.).
- Building management system-BMS.
- Fire alarm system.
- Conduct the race-ways of a medium-voltage system.

SKILLS:

- Knowledgeable in aspects of mechanical engineering,
- Excellent communication and listening skills.
- Should be flexible and have a positive attitude.
- Identifies and communicates concerns to the immediate supervisor.
- Discusses career goals and aspirations.
- Able to draft responses to straight-forward queries.
- Ability to work as a team.

Language skills:

• Arabic: Mother Tongue.

• English: Very Good.

