

Ahmed Emad Mohamed Zidan

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Job Summary

- Mechanical Engineer with +7 years of experience in mechanical engineering fields such as Infrastructure field, Facility Management and MEP field which include design, project management, project coordination, planning, site Supervision, Construction and maintenance activities after handing over of the project.
- Sustainability Engineer who develop tailored sustainability plans, implement green practices, and achieve sustainability goals.
- Currently I am seeking for a long-term challenging opportunity for making a significant contribution towards self-growth and growth of the organization by utilizing my knowledge and skills.

Education

Bachelor of Power Mechanical Engineering Department, Benha University 2018.

Grade: Very Good with honor.

Project: Design of cold storage plant using ammonia refrigeration system.

Project Grade: Excellent.

Experience

Company/corporation: Seder Group- Saudi Food and Drug Authority (SFDA) Projects.

Position: Assistant Project Manager [From 06-2025-present]

Key Responsibilities:

- Develops annual and quarterly work plans for building operations and maintenance services
- Oversees all operations and maintenance services of buildings in all districts - both corrective and preventive
- Manages all daily operation services in all districts including permanent building operation supervision, facilities layout utilization, gardening services, landscaping services, janitorial services and tea boy services and vendor manpower management
- Oversees and manages the formulation and development of service level agreements with internal and external customers of operation and maintenance services to ensure best service delivery for departments
- Conducts regular site visits in the district to oversee the progress of daily work operations
- Ensures adherence to the company policies and procedures by all district employees
- Ensures that building management services requested from the service delivery sections are conducted and delivered according to the quality and timeline defined in the terms and conditions of the service level agreements
- Ensures minimization of issues, zero downtime and continuous service availability as required for operations and maintenance services to achieve customer satisfaction
- Manages all external vendors for operations and maintenance services and oversees the delivery of work while ensuring high standards of quality, safety and design parameters
- Comply with all health and safety policies and procedures
- Support maintenance and installment work as needed

Company/corporation: Seder Group, SFDA Project.

Position: Mechanical Engineer – Facility Management (FM). [From 05-2024-06-2025]

Key Responsibilities:

- Design and oversee the construction of new facilities, ensuring they are functional, efficient, and safe.
 - Develop and implement preventive maintenance programs for all facilities and equipment.
 - Manage and supervise facility maintenance staff, contractors, and vendors.
 - Conduct regular inspections of facilities to identify potential hazards and ensure compliance with local and federal regulations.
 - Identify opportunities to improve energy efficiency and sustainability and implement solutions as appropriate with **TARSHID COMPANY.**
 - Work with other departments to identify and prioritize facility-related projects and allocate resources accordingly.
 - Ensure that all facilities are equipped with necessary safety equipment and that staff is trained to use it.
 - Maintain accurate records of maintenance and repair activities, as well as expenses.
 - Provide technical support and guidance to other departments as needed.
 - Responsible for carry out preventative maintenance of air conditioning and refrigeration equipment and system equipment (chillers, air handlers, a/c systems, pumps, evaporators, condensers and heaters)
 - BMS to monitor and control electrical and mechanical systems, integrating various facility subsystems, and collaborating with internal teams and external vendors to ensure proper installation and functionality
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Company/corporation: New Urban Communities Authority.

Position: Mechanical Infrastructure Engineer (Owner's Engineer). [From 01-2021-5/5/2024]

Key Responsibilities:

- (1) Following up and supervising the execution of the activities of Water and Waste Water pumping stations, Transmission pipelines, Forcemain, sewage networks, water networks and Irrigation networks and firefighting projects.
- (2) Following up and supervising the execution of Smart Cities and sustainable infrastructure projects that align with Egypt Vision 2030.
- (3) Coordinating all electro-mechanical activities with various team on site.
- (4) Review the shop drawing construction details, product data, material samples, inspection plans, method statement, delivery schedules to conform compliance with the requirements of the project.
- (5) Monitoring of work as per specification, local & international standard codes.
- (6) Supervise the installations of equipment on site.
- (7) Ensure that the materials at store are according to the approved materials submittals.
- (8) Monitor site progress; make sure that the work carried on site, specification and QC procedures notify the Contractor of any necessary revisions.
- (9) Review the contractor payment and compare the percentages submitted by the contractor with the actual on site. Raise any discrepancies to the Contractor for action.
- (10) Monitor all safety aspects of the project and ensure strict adherence to the safety regulations as dictated by the Senior HSE Engineer.

- (11) Carry out the required tests on the main items of equipment (main pumps, main motors and generator set, valves, pipes, etc).
- (12) Review engineering deliverables as HVAC, firefighting and plumbing design drawings, calculation notes and shop-drawings.
- (13) Participate and coordinate with all disciplines in BIM creation and development
- (14) following up and supervising the construction and commissioning/startup activities
- (15) Coordinate, monitor and control engineering activities performed by third parties (suppliers, sub-contractors or engineering firms) for HVAC, firefighting and plumbing systems/packages starting from contract award up to Factory Acceptance Test (FAT).

Projects have been achieved:

- (1) Main sewage pumping station 8 Project in Badr City - capacity 200000m³/day and forcemain pipe 1200mm- contractor: RO United company.
- (2) Main sewage pumping station South 2350 Fedan project in Capital Gardens City - capacity 250000m³/day and forcemain pipe 1200mm - contractor: TMG.
- (3) Lifting pumping station North 2350 Fedan project in Capital Gardens City - capacity 22000m³/day and forcemain pipe 500mm- contractor: HEGAZY sons Company.
- (4) 2350 Fedan Water pumping station project in Capital Gardens City - capacity 95000m³/day- contractor: International company
- (5) Infrastructure works (sewage-water-irrigation networks) for the 1st stage of 2350 Fedan in Capital Gardens City -contractor: International company
- (6) infrastructure works (sewage-water-irrigation networks) for the 2nd stage of 2350 Fedan in Capital Gardens City -contractor: SAMCRETE Engineers and Contractors.
- (7) Transmission line of 900mm from Badr City to 2350Fedan Water pumping station- contractor: EL-Arabya company.
- (8) Firefighting and HVAC systems for the Capital Gardens administration building - contractor Engineering Group-(Farag Abo EL Soud).
- (9) Green Buildings in Capital Gardens city.

Company: Abu Zaabal Company for Specialty Chemicals (Military Factory)

Position: Mechanical Maintenance Engineer. [From 23-06-2019 to 01/2021]

Key Responsibilities:

(1) Serve as Refrigeration and Air conditioning maintenance Engineer in Industrial refrigeration and HVAC equipment (Manufacturers: Trane, Carrier, LG, SABROE, GRASSO, Bitzer, York)

- Responsible for carry out preventative maintenance of air conditioning and refrigeration equipment and system equipment (chillers, air handlers, a/c systems, pumps, evaporators, condensers and heaters)
- Heat load calculation and components selection for integration of the refrigeration system.
- Follow up all spare parts stock balance, follow up the inventory safety stock quantities, min/max quantities and land long lead items.

(2) Serve as Central air conditioning project Supervisor, Responsibilities:

- Get approved HVAC Shop Drawings, Work method statement and Project Specification from Project Engineer.
- Supervise the installation of HVAC system (equipment, chilled water pipes network and control valves)

- Ensure the HVAC Ducts, Fittings, accessories and Child water pipes, fittings, accessories are available and approved by Inspection department prior to installation.
- Closely monitor site activities to ensure quality of work is in compliance with approved shop drawing and Specification and get daily progress report and update to Manager

(3) Air compressors models (ATLASCOPCO GA37FF+ and KAESER DSD 238)

- Perform all routine and corrective maintenance for all air compressors including the bearing replacement.

(4) Centrifugal pumps (Manufacturers: GOULDS, KSB and GRUNDFOS pumps)

- Perform all routine and corrective maintenance for all centrifugal pumps including mechanical seal replacement and reconditioning, bearing and defected impellers replacement.

(5) Maintenance and Inspection of Fire Protection Systems.

(6) schedule and record operation and preventive/planned maintenance activities associated with facility equipment using (CMMS).

Company: Idea Verde Company

Position: Mechanical Maintenance Engineer [From 11/8/2018 to 20-8-2019]

Key Responsibilities:

- Provide on-site supervision and technical support for mechanical construction activities, including installation, testing, and commissioning of HVAC, hydraulics, and fire systems.
- Coordinating all electro-mechanical activities with various team on site.
- Collaborate with project managers, contractors, and subcontractors to ensure that mechanical works are executed according to project plans, schedules, and budget constraints.
- Perform regular site inspections and meetings with the subcontractors to identify and resolve issues and provide technical guidance to the on-site team.
- Monitor the contractor to ensure that they follow the approved planning and resource allocation to complete the works on time.
- Identify and resolve site-related issues and make informed decisions to keep the project on track.
- Coordinate MEP installations with various trades, including architects, structural engineers, and other subcontractors to avoid conflicts and ensure seamless project execution.
- Enforce safety protocols and ensure that all site personnel adhere to safety regulations and best practices.
- Coordinating all electro-mechanical activities with various team on site.

Summer Training

1. From 1\7\2017 to 26\9\2017:- Training in A.M.A for contracting, trading, supplies.
2. From 1\8\2017 to 20 \9\ 2017:- Training at SMG firefighting works.
3. From 19 \7\2017 to 19\8\ 2017:- Training at Misr Concrete heavy equipment maintenance.
4. From 14\8\ 2016 to 8\9\2016:- Training at EGYPTAIR maintenance.

5. From 15-6 to 30\8\ 2016:- Training at Elex international for central conditioning.
6. From 12\7 to 18\8\ 2016:- Training a SHOBRA Company for Electricity Production.
7. From 9\8 to 20\8\2015:- Training at Benha Company for Electronic Industries.

Training Course

1. PLC& Classic Control &Electric Motor &Drive programming Course. (HA CONSULTING GROUP)
2. Firefighting course. (SMG)
3. HVAC Course (EL MOTHADA)
4. English communication skills. (COURSERA)

Scholarships

- Approved as **Sustainable development coach** from Ministry of Planning and Economic Development from 6/2024 to 6/2026
- “Be an Ambassador” initiative which launched by the Ministry of Planning and Economic Development in cooperation with National Institute for Governance and Sustainable Development (NIGSD) in 2023.
- Training grant from EFE Education for Employment in cooperation with Western Union Company That includes:
 1. Soft skills
 2. Business skills
 3. Microsoft skills
 4. Career Directions

Computer skills

1. Ms Project
2. AutoCAD(2D).
3. HAP
4. DUCTSIZER
5. Elite Software
6. CMMS
7. Revit MEP
8. SOLIDWORKS
9. Fluid simulation (Festo)
10. Microsoft Word, Excel, PowerPoint

Linguistic skills

Arabic: Native Language
 English: Excellent
 French: Good

Personnel skills

- Excellent in teamwork and creative thinking.
- Ambitious, have a high understanding capability and seeks new knowledge and experiences.
- Ability to effectively organized, lead and motivate a team to achieve a certain target.
- Take high responsibilities and calculated risks.

Activities &certificates:

- Head of Mechanical Design for Innovation workshop of Benha University.
- Member in university team of innovation.
- Participation in scientific projects in Benha University

Personal details

- Birth date : 10 / 7 / 1995
- Nationality : Egyptian
- Military Service : Exempted