

Holds a B. Sc. in Mechanical Power Engineering and has about 12 years hands-on experience in construction and site supervision and design of HVAC System, Plumbing, Drainage System, Water System and Fire Protection works of various projects such as Hotels, Hospital, Office Building, Airport, Thermal Power Plant, Water System and other related infrastructures. Capable of performing design and calculation of drainage networks and water system. Familiar with local and international codes used in Qatar.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/01/1981  
Gender : Male  
Residence : Currently Qatar

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Helwan University, 2007

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Photoshop  
: MS Project  
: AutoCAD 2D  
: Revit Mechanical

## **TRAINING COURSES AND CERTIFICATIONS**

- : Courses:
- Design and implementation of fire fighting systems using water and gas and CO2.
  - Design and implementation of systems, refrigeration and air conditioning and also different kinds of work and adjust the balance of air and chilled water system and pump's.
  - Course in AutoCAD two-dimensional, especially Electromechanical.
  - Course grant Al-Kharafi subsidiary (2011) in project management and a certificate approved by the EMAK International Academy.
  - Course in occupational safety and Risk Assessment.

- OSHA Construction course in public construction from the Academy of Knowledge Consulting Safety and Occupational Health.
- : Trainings at:
- Ceramic Prima (Aug. 2004).
  - Egyptian Natural Gas Company (GASCO) (Aug. 2006).
  - Cairo North Power Station (project).
  - Consultative Office for Refrigeration and Air Conditioning.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2015 till now
- Employer** : CEG International - Doha, Qatar
- Project** : Msheireb Downtown Doha Phase 1B Project
- Job title** : Senior Mechanical Engineer
- Job Description** :
- Report and liaise with Project Manager regarding the mechanical aspects of the project.
  - Primarily adhere to company policies and procedures.
  - Coordinate with, instruct and supervise inspectors. Manage the workloads of a team of more junior engineer and inspectors and lead the team imparting clear objectives and motivation to achieved targeted results.
  - Act as a focal point for matters relating to mechanical aspects of the project.
  - Assist the project manager in liaison with client and the contractor regarding mechanical issues.
  - Responsible for the management of site team and client in relation to mechanical aspects of the project.
  - Maintain knowledge in contract administration / FIDIC as necessary and ensure that the contractors are complying with contract clauses.
  - Study construction documents (mechanical and related discipline) in detail and develop clear understanding of scope, details and responsibilities.
  - Responsible for the review, recommendation and approval of all mechanical material submittals.
  - Responsible for the review and approval of all mechanical shop-drawings submittals.
  - Responsible for the review and approval of mechanical method statements and its implementation.
  - Maintain a good understanding of the project priorities and programs.
  - Responsible for preparing and maintain up to date planning and progress schedule.
  - To coordinate with other disciplines as required on day-to-day basis or as set out by the project requirements.
  - Undertake team briefings and inception activities to ensure that all mechanical aspects of the work are understood by the team.
  - Maintain awareness of the project mechanical specification, drawings and design criteria.
  - Responsible for the integrity of workmanship for HVAC, mechanical drainage system, pumping stations, water supply, gas, fire protection system and irrigation system.

- Understand all related codes and their application to the project; manage the interface with local and international codes and standards suited for the project.
- To resolve any unexpected technical difficulties and other problems that may arise at any time.
- Ensure that works are done as per drawings and specifications and follow up all related documentation as per the project requirements.
- Attend regularly on weekly, monthly and other progress meetings held at the site.
- Responsible in preparing project technical report and progress report.
- Check third parties' inspection and report.
- Witnessing testing and commissioning of the works.
- Responsible for the final inspection of the work and monitor final completion of the work.

<b>Dates</b>	:	From Feb. 2014 till Feb. 2015
<b>Employer</b>	:	Gulf Engineering & Industrial Consultancy (GEIC) - Doha, QATAR
<b>Projects</b>	:	<ul style="list-style-type: none"> <li>• Doha South STP – PH-4 ACMV system</li> <li>• AFRC Project (Aquatic Fisheries Research Center) Chilled Water System</li> <li>• Water supply System &amp; Drainage Water System for Deaf School Project with PMC &amp; PWA</li> <li>• ACMV, Water supply System &amp; Drainage Water System for GWC Warehouse ST-41</li> <li>• ACMV, Water supply System &amp; Drainage Water System for GWC Warehouse – PH-5</li> </ul>
<b>Job title</b>	:	Senior Mechanical Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Design work for the following mechanical system for different project types: <ul style="list-style-type: none"> <li>- Drainage system.</li> <li>- ACMV systems.</li> <li>- Preparing the required calculation sheets for all the above mentioned system.</li> <li>- Plumbing and Fire Fighting system design (Prepare calculation, review drawings, Equipment selection).</li> <li>- Familiar with acceptable in HVAC system design (Load estimation by Hourly Analysis Program) (HAP).</li> <li>- Worked as a Project Coordinator.</li> </ul> </li> <li>• Assist the project manager in liaison with client and the contractor regarding mechanical issues.</li> <li>• Responsible for the review, recommendation and approval of all mechanical material submittals.</li> <li>• Responsible for the review and approval of all mechanical shop-drawings submittals.</li> <li>• Responsible for the review and approval of mechanical method statements and its implementation.</li> <li>• Participate in team briefing and inception activities to ensure that all mechanical aspects of the work are understood.</li> <li>• Maintain awareness of the project mechanical specification, drawings and design criteria.</li> <li>• Understand all related codes and their application to the project;</li> </ul>

manage the interface with local and international codes and standards suited for the project.

- To resolve any unexpected technical difficulties and other problems that may arise at any time.
- Ensure that works are done as per drawings and specifications and follow up all related documentation as per the project requirements.
- Check and monitor the project daily activities, site manpower resources, plant and equipment on the site as required.
- Perform design calculations and detail drawings as required.
- Carry-out regular site inspection for all mechanical works for specification and drawing compliance.
- Attend and visit laboratory/plant inspection, witness test tests and material inspection.
- Witnessing testing and commissioning of the works.

<b>Dates</b>	:	From Jun. 2012 till Jan. 2014
<b>Employer</b>	:	Maidat Company Contracting Co. Ltd. – Mecca, Saudi Arabia
<b>Projects</b>	:	<ul style="list-style-type: none"><li>• Borj Elomda Tower Hotel (SAR 80 Million)</li><li>• Hotel Dar El-Eman – Misfalah Ibrahim elkhalil Str. (SAR. 120 Million)</li><li>• King Abdul-Aziz University in Jeddah (SAR 300 Million)</li></ul>
<b>Job title</b>	:	Mechanical Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• Implementation and design of all Electromechanical works (electrical work – Fire Fighting – refrigeration and air conditioning – works Plumbing and Sewage external and internal).</li><li>• The project King Abdul-Aziz University in Jeddah north (Asfan) implementation of the project entirely from works chilled water system and air handling units and works firefighting and plumbing and sewage external and internal and connected to septic tank and works water supply completely and compressed air network works and works LPG and works irrigation network.</li><li>• The cost of this project is three hundred million riyals and consultant is Zohar Fayez (ZFP).</li><li>• Carry out day to day supervision of the work and prepare site diaries for report purposes.</li><li>• Assist in for the preparation and submission of all mechanical material submittals.</li><li>• Assist in the preparation and submission of all mechanical shop-drawings submittals.</li><li>• Participate in the preparation of mechanical method statements and its implementation.</li><li>• Monitor delivery of the requested materials and verify conformance with the specification and quality assurance.</li><li>• Participate in the preparation and submission of QA/QC Plan, Inspection and Test Plan (ITP) and clearly observe the Witness and Hold points for inspection.</li><li>• Follow and monitor the project daily activities, site manpower resources, plant and equipment on the site as required approved time schedule planed.</li><li>• Study the construction drawings and the project specification.</li><li>• Raise RFIs to the consultant in case of discrepancies or confusions.</li><li>• Execute all the work according to the approved shop drawings.</li></ul>

- Guide the foremen on site.
- Execute all the work according to method statements and ITP's as submitted to insure compliance with the contract requirements.
- Supervise all the works on site such as Duct working, firefighting work and plumbing works.
- Evaluate the material, resources and manpower required for different activities.
- Report the material requirements to the procurement department in order to book/purchase the materials timely.
- Report the requirements to the project manager.
- Prepare material submittals.
- Prepare take-offs for the materials required.
- Prepare the quantities executed on site during the month for the interim payment.
- Prepare look-ahead requests for inspection to the consultant.
- Prepare site diary and daily site report.
- Participate in preparing the monthly progress report.
- Arrange with the civil activities in order to avoid any conflicts.
- Attend technical meetings with the consultant.
- Hand over the finished activities to the consultant.
- Prepare / accept the materials to be used on site before their submittal to the consultant.
- Monitor the performance of the foremen.
- Monitor the progress of work compared with the project approved schedule and request for additional resources and manpower from the project manager to recover any delays.
- Carry out any required remedial works as commented by the consultant or the client before the project handing over.
- Participate in testing and commissioning activities and ensure documentation of the results.
- Assist in administering safety programs at the site.
- HVAC, Plumbing and Fire Fighting design and shop drawing.
- Preparing of load estimation calculation note using HAP (hourly analysis program).
- Preparing of Automatic controls design and shop drawing, for HVAC system.
- Design of hydraulic network to transfer cold and hot water from chiller and boilers in technical gallery to different AHU and FCU including all valves and accessories required.
- Review and Approval of method statements and material submittals.
- Site technical inspection and quality control for HVAC, Plumbing and firefighting system.
- Preparing of BOQ.

**Dates** : From Aug. 2010 till Jun. 2012

**Employer** : Arab Company for Contracting (Sioudan-Union), Cairo

**Projects** :

- Drainage, Water Supply and other plumbing works for Ghabbour Project (L.E. 50 Million)
- Drainage, Water Supply Mainline for Cairo Festival City Project (L.E. 20 Million)
- Fire-Fighting, Air Conditioning (HVAC) system for El-Awaly Commercial

<b>Job title</b>	:	Building (L.E. 20 Million) Mechanical Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Carry out day to day supervision of the work and prepare site diaries for report purposes.</li> <li>• Monitor delivery of the requested materials and verify conformance with the specification and quality assurance.</li> <li>• Participate in the preparation and submission of QA/QC Plan, Inspection and Test Plan (ITP) and clearly observe the Witness and Hold points for inspection.</li> <li>• Follow and monitor the project daily activities, site manpower resources, plant and equipment on the site as required approved time schedule planned.</li> <li>• Perform quality control requirements for mechanical activities and maintain records for reference.</li> <li>• Assist in for the preparation and submission of all mechanical material submittals.</li> <li>• Assist in the preparation and submission of all mechanical shop-drawings submittals.</li> <li>• Participate in the preparation of mechanical method statements and its implementation.</li> <li>• Ensure all equipment and instrument used at the site for the installation of mechanical permanent works are properly calibrated.</li> <li>• Participate in testing and commissioning activities and ensure documentation of the results.</li> <li>• Assist in administering safety programs at the site.</li> <li>• Study the construction drawings and the project specification.</li> <li>• Raise RFIs to the consultant in case of discrepancies or confusions.</li> <li>• Execute all the work according to the approved shop drawings.</li> <li>• Guide the foremen on site.</li> <li>• Execute all the work according to method statements and ITP's as submitted to insure compliance with the contract requirements.</li> <li>• Supervise all the works on site such as Duct working, firefighting work and plumping works.</li> <li>• Evaluate the material, resources and manpower required for different activities.</li> <li>• Report the material requirements to the procurement department in order to book/purchase the materials timely.</li> <li>• Report the requirements to the project manager.</li> <li>• Prepare material submittals.</li> <li>• Prepare take-offs for the materials required.</li> <li>• Prepare the quantities executed on site during the month for the interim payment.</li> <li>• Prepare look-ahead requests for inspection to the consultant.</li> <li>• Prepare site diary and daily site report.</li> <li>• Participate in preparing the monthly progress report.</li> <li>• Arrange with the civil activities in order to avoid any conflicts.</li> <li>• Attend technical meetings with the consultant.</li> <li>• Hand over the finished activities to the consultant.</li> <li>• Prepare / accept the materials to be used on site before their submittal to the consultant.</li> <li>• Monitor the performance of the foremen.</li> </ul>

- Monitor the progress of work compared with the project approved schedule and request for additional resources and manpower from the project manager to recover any delays.
- Carry out any required remedial works as commented by the consultant or the client before the project handing over.

**Dates** : From Nov. 2008 till Nov. 2009  
**Employer** : Company of Misr Petroleum Engineer Projects, Cairo  
**Projects** :

- Plumbing and Firefighting Networks for Cairo International Airport (L.E. 200 Million)
- Plumbing and Firefighting Networks for Taba Airport (L.E. 100 Million)

**Job title** : Mechanical Engineer  
**Job Description** :

- Worked at the Cairo airport network extinguish the fire and the chamber of fuel pumps and fuel to provide the aircraft and a network of plumbing at airports and plumbing workshop.
- And also the same thing at the airport in Taba.

**Dates** : From Jan. 2008 till Aug. 2008  
**Employer** : Archirodon Construction (Overseas) Co., Cairo  
**Project** : Cairo West Power Plant  
**Job title** : Mechanical Engineer  
**Job Description** :

- Worked in the company as Site Engineer and implemented a project in this period in works Network of firefighting and central air conditioning unit and Package Units Split and drainage and water supply for the administrative building inside the plant.
- Carry out day to day supervision of the work and prepare site diaries for report purposes.
- Monitor delivery of the requested materials and verify conformance with the specification and quality assurance.
- Ensure all equipment and instrument used at the site for the installation of mechanical permanent works are properly calibrated.
- Assist in administering safety programs at the site.

**Dates** : From Oct. 2006 till Jan. 2008  
**Employer** : Target Egypt for contracting and air conditioning systems  
**Projects** :

- Design of Central Air-Conditioning System for Villa (L.E. 1 Million)
- Re-design of Central Air-Conditioning System for German University Building (L.E. 10 Million)
- Maintenance Works for MEP System of German University
- Air Conditioning System for Hi Foods Factory at El Asher of Ramadan City (L.E. 20 Million)
- Fire-Fighting Networks for entire factory at El Asher of Ramadan

**Job title** : Mechanical Engineer  
**Job Description** :

- Participate in the design and the preparation of engineering drawings as required.
- Carry out day to day supervision of the work and prepare site diaries for report purposes.
- Monitor delivery of the requested materials and verify conformance with the specification and quality assurance.

- Perform quality control requirements for mechanical activities and maintain records for reference.
- Assist in for the preparation and submission of all mechanical material submittals.
- Assist in the preparation and submission of all mechanical shop-drawings submittals.
- Ensure all equipment and instrument used at the site for the installation of mechanical permanent works are properly calibrated.
- Participate in testing and commissioning activities and ensure documentation of the results.
- Assist in administering safety programs at the site.
- Responsible in preparing and maintaining site diaries on daily basis at the site.
- Maintain a good understanding of the project priorities and programs.
- Record all significant events and relevant issue affecting the progress of the works and coordinate with the senior mechanical engineer responsible.
- Monitor the material incorporated in the work and check every delivery.
- Assure incoming quality of received materials and confirm in the approved material submittals.
- Check the quantity of materials stored at the site and monitor the rate of usage in everyday work.
- Check and assures proper sequencing of the works at site in reference to the construction drawing and approved method statement.
- Check and monitor the project daily activities, site manpower resources, plant and equipment on the site as required.
- Carry-out regular site inspection for all mechanical permanent works for specification and drawing compliance.
- Maintain records of inspection requests and other work related documents at the site at all times.
- Attend and visit laboratory/plant inspection, witness tests and material inspection.
- Verify all calibration certificates of equipment and instrument used at the site.
- Responsible for checking the arrangement, procedures and installation of mechanical facilities at the project.
- Responsible for the accuracy of the work for HVAC, water supply, sprinkler system, irrigation, pumping station, etc.
- Attend in the testing and commissioning of the works and assures that all data results are recorded.
- Responsible to check and organize the site area and facilities efficiently in order to meet quality workplace.
- Assist in administering safety programs at the site. Issue instructions as necessary to correct any safety violation.
- Attend weekly, monthly and other progress meetings held at the site as required.
- Assist in preparing the progress report for the project as required or any other report that is requested.
- Review the mechanical progress of the works, identify constraints and recommend corrective measures.
- Maintain awareness of the project mechanical specifications, drawings, design criteria in relation to standard codes and practices.

- Remain vigilant regarding all aspects of the construction activities and monitor the contractor performance and their compliance with the specification and contract.
- Assist in administering safety programs at the site. Issue instructions as necessary to correct any safety violation.
- Attend weekly, monthly and other progress meetings held at the site as required.
- Assist in preparing the progress report for the project as required or any other report that is requested.
- Review the mechanical progress of the works, identify constraints and recommend corrective measures.
- Maintain awareness of the project mechanical specifications, drawings, design criteria in relation to standard codes and practices.
- Remain vigilant regarding all aspects of the construction activities and monitor the contractor performance and their compliance with the specification and contract.

**Field of experience :** Types of projects: Administrative buildings, High rise buildings, Residential and Commercial Buildings, Hotels, Industrial facilities buildings, Hospitals, infrastructure projects, pump stations, sewage, long oil & gas.