

**105219-MEC-56CDGHMq-E-1997**  
**Senior Mechanical Engineer**

Holds a B. Sc. in Mechanical Engineering and has over 19 years hands-on experience working in construction, design and maintenance.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 14/09/1972  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Mechanical Engineering, Minia University, 1997

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: REVIT 2014, Elite F.F. Software Ver.6.00.256, Sewer Cad  
: HVAC EU2000, HAP Rev.4.46, AutoCAD 2014

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Apr. 2014 till now  
**Employer** : Tebrak for Contracting Co. – KSA  
**Job title** : Senior Mech. Engineer (Head of Mechanical Dept.)  
**Job Description** :

- Designer & Site Engineer for MIC Project (Weapon factory), KSA.
- Designer HVAC & Fire Fighting and Plumbing works by Revit 2014 for different projects in all over KSA cities for the following projects:
  - Faculty of hospitality and tourism projects in Al Khobar.
  - Singles and Families housing for trainers institute projects in Katef.
  - Bureau of Investigation and Public Prosecution Building.

  
**Dates** : From Sep. 2011 till Dec. 2012  
**Employer** : MTMM (Mohamed Turki - Mott McDonald) Engineering Consultant Co. (JEDDAH - KSA)  
**Project** : DELMON EDIBLE OIL Project in Yanbu

**Job title** : Designer & Supervisor Engineer  
**Job Description** :

- Supervision, review and redesign works as per standards (ASME B31.3 – NSPC – IBC – NFPA – IMC – ASPE – ASHRAE - API 650), using design software programs as ELITE Fire Fighting Rev.6.00.256, CARRIER (Hourly Analysis Program HAP ver.4.41), EU 2000 for ducting design and Sewer cad for plumbing design.
- Tracking all supplying and erection works including Oil Tank farm area with 853 tons of steel reservoirs from 5000 tons to 50 tons capacities & Refinery building including Reactors, agitators, Centrifuges, multi types of filters, storage tanks, boiler, screw chiller (300 T Ref.@134 A) several types of pumps.
- Receiving, checking and approving all RFI & Material Submittal submitted by the contractor as per stipulated in standard codes and contract.

**Dates** : From Jan. 2009 till Sep. 2011  
**Employer** : Misr for Engineering Consult  
**Job title** : Planning & Supervisor Engineer for electromechanical projects  
**Job Description** :

- Planning & Supervision works and tracking, preparing 2 weeks or 1 month look ahead activities, Resources allocation reports, earned value to answering the important questions are the project in the head or behind the schedule and over or under budget, prepare monthly project cash flow to the following projects:
  - Quna extension W.W.T.P. with capacity 55000 m3 per day.
  - Elwakf city water treatment plant with capacity 200 L per second.
  - Armant W.W.T.P. with capacity 30000 m3 per day.
  - Esna W.W.T.P. with capacity 40000 m3 per day.
- Main Job is tracking the project work schedule and submit a weekly and monthly report to the client about project status (a head or behind schedule, over or under budget cost, any conflict with main design, etc...).
- Inspection & testing all electromechanical project parts & comparing with the technical offer and technical tender before starting erection.
- Applying and printing reports required using Primavera 6 explaining if the project a head or behinds scheduling, over or under budgeted cost & answering the important question (Is the project in the gain or loss road?) to help client managers easy take a correct decision.

**Dates** : From Nov. 2000 till Jun. 2009  
**Employer** : Hebi for pharmaceutical raw materials  
**Job title** : Maintenance Manager  
**Job Description** :

- During Plant Construction:
  - Receiving all the factory equipments at Zero Storage then arranging and classification it according Buildings.
  - The main job was supervision of all equipment installation, commissioning and achieving the overall planning as detailed schedule of activities with main contractor using PRIMAVERA (P3) project management.
  - Follow up all the contractor activities (erection and fixation all equipments).
  - Revision monthly progress payment.

- Installation & Erection for Diesel Genset CATERPILLER Model 3508 B 1MW V – block engine 16 cylinders as a Standby Genset including Base shock absorber, exhaust pipe, ventilation fans, Cable connection & fuel lines from monthly to daily fuel tanks. Installation a small diesel Genset (OLYMPIAN) GEP 110 80 K Watt.
- Revision Welders Qualification Test (WQT) and Welding Test Procedure (WTS) as visual test, Die penetration test, ultra sonic test and Gama ray test according ASME standard.
- Follow up C.S. & St.St. horizontal and vertical storage tanks by EL SWEDY Co. as a sub-contractor.
- Revision and follow up all steel structure pipe rack including different types of beams, painting epoxy layers corrugated sheets covering, ...etc., executed by FEROMETALCO Co. as a sub-contractor.
- Starting pre- & commissioning for all plant coordination with consultant and vendors respecting time schedule.
- Revision all HVAC, fire fighting works in laboratory building including liquid chiller (carrier 30 ton ref., AHU EJAT, fan coil, steam humidifier, smoke & heat detectors, etc.).
- During Operation Period:
  - After finishing erection and installation phase my main job is Utilities Manager then promoting to Maintenance Manager responsible for the following:
    - Preparing maintenance plane for Diesel Genset 3508B & GEP 110 including tracking and follow up the Genset performance by notice all parameters (diesel oil pressure, engine temperature, battery charge, alarms, differential fuel filter pressure, Differential oil filter, also for air filters.
    - 3 Fire tube steam boilers 12 tons / hour with softener, de-aerator, feed water tank and (1) water tube steam boiler 0.5 ton / hour supplied by BONO Energia.
    - 4 Centrifugal (CENTAC) compressors 15,000 m<sup>3</sup> / hr @ 3.8 bar, (1) screw compressor 6 m<sup>3</sup> / min @ 7 bar supplied by INGERSOLL-RAND.
    - 31 Centrifugal pumps with different head and flow rates by KSB.
    - Reverse Osmosis Plant 90 m<sup>3</sup> / hr supplied by U.A.T.
    - 6 Chillers models YK & YS 400 ton refrigeration each with a screw compressors supplied by YORK.
  - Preparing and applying maintenance program using CMMS.
  - Preparing monthly and annually reports concerning equipment performance.
  - Evaluating technician staff periodically.
  - Preparing performance LOGS sheet for all equipment.
  - Good awareness with the following different type of pumps vacuum, geared, diaphragm, axial piston and vane pumps different types and sizes for lifting Water, Solvents Chemicals, Fuels, High viscous media Positive pumps (Centrifugal Pumps, Positive Displacement, Rotor types, Diaphragm "Ksb, Pomoetravaini, Peerless, Alweiller Sulzer, Mettito, Siemens, and Nash) and vacuum pumps (Pomoetravain and BOC Edwards, Pompa per vuoto, York) AGITATED TANKS Several types of Couplings, gearboxes and

geared motor. Shaft mounted and rigid, coupling Vertical and horizontal (Flender, SEW, NORD, GANSONS ...etc.). COOLING TOWERS "BALTIMORE" type web and dry cooling tower using Fan belts. Filtration unit several types of filtration unit rotating and reciprocating (vacuumize and pressurize) such as BHS fest pressure filter, BHS close N2 circuit unit, NANO filtration reverses osmosis, ULTRA filtration reverses osmosis, reverses osmosis plant for water. And 3 type of press filter "VELO", Pre-coat drum vacuum filter "TECNIPLANT S.P.A".

**Dates** : From Nov. 1999 till Nov. 2000  
**Employer** : Qena Newsprint Paper Co.  
**Job title** : Maintenance & Operation Engineer  
**Job Description** :

- Supervisor for Erection & Installation for Steam Turbine generator power plant ABB 45MW (ALSTOM) including oil lubricating system, condensers, evacuation system, ....etc.
- Supervising the erection, orientation and alignment of all mechanical equipment.
- Achieving the overall planning completion as detailed time schedule.
- Following up the locally manufacturing of accessories like pipe support, monorail beams, ....etc.
- Taking over test and commissioning for all mechanical activities.
- Preparing & Revision monthly progress payment.
- Studying the erection time schedule equipment list and standard requirements.
- Pre- and commissioning for all equipment pumps, clarifiers, scrapper, sand filters, cooling towers, ....etc.

**Dates** : From Dec. 1998 till Nov. 1999  
**Employer** : Kolaly for Engineering Co.  
**Project** : Qena News Print Paper Co.  
**Job title** : Maintenance Engineer  
**Job Description** :

- Maintenance Engineer for about 400 equipment including Diesel Gensets (Caterpillar, Volvo, Cummins, Deutz, cranes, loaders, concrete pump, truck rollers, etc.).
- Preparing daily, weekly, monthly maintenance procedure according vendor manual, then follow up ad tracking performance.
- Preparing spare parts list required by coordinate with supplier.
- Execute Overall to diesel engines in a central workshop.
- Preparing performance reports concerning all equipment.

**Dates** : From Jun. 1998 till Dec. 1998  
**Employer** : Upper Egypt Dredging Co.  
**Project** : Naga Hammadi  
**Job title** : Maintenance Engineer  
**Job Description** : Maintenance Engineer for a multiple types of heavy equipments as CAT Excavators, Loaders, Grove Crane, Puitzmaster concrete pumps Demag Dampers truck roller, central concrete mixer, Atlas Copco oil risk screw and reciprocating air compressors including Diesel engines, RexRoth Hydraulic

and pneumatic circuits.