

105579-MEC-1568CDGMOS-E-1995
Senior Mechanical Engineer – Project Manager

Holds a B. Sc. in Mechanical Engineering and has over 22 years hands-on experience working in construction, maintenance, operation and commissioning.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Engineering, Zagazig University, 1995

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: HAP for HVAC System Design
: Elite for FIRE FIGHTING System Design
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional courses - in Ministry of Housing, PARSONS Cooperation multinational Engineering Consulting.
: Project Management Professional (PMP) - in Jeddah Municipality, Mott Mac Donald Multinational Engineering Consulting (MM).
: Operation and Maintenance of Centrifugal Pumps, KSP - in Egypt, East Delta Electricity Production Company (EDEPC).
: Operation and Maintenance of MSF Desalination plants, HITACHI - in Egypt, East Delta Electricity Production Company (EDEPC).
: Operation and Maintenance of Steam Turbine, SIEMENS - in Egypt, East Delta Electricity Production Company (EDEPC).
: OSHA - in Egypt, East Delta Electricity Production Company (EDEPC).
: Pump Station Design from ITT / USA in Jeddah Municipality, Mott Mac Donald Engineering Consulting Company (MTMM).
: Engineering Accreditation Certificate, Saudi Council of Engineers, Mechanical Engineer Consultant Degree Level in 2014.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2016 till now
Employer : Omrania & Associates (O&A)
Project : Ashghal Rabigh Project - one from many construction supervision separate sites that (O&A) partnered with the Ministry of housing (MOH) for development. It has 300,000 m² of land and 221 Villas. The project will include mosques, schools, parks, landscaped open spaces, commercial center, electrical substations, and sewage treatment plants to provide complete and modern communities attractive to Saudi citizens.
Job title : Sr. Mechanical Engineer – Project Manager
Job Description :

- Review Main/Sub Contractors submittals, making suggestions / modifications relate to project contract, specification, BOQ and shop drawings.
- Provide all comments, notices, etc to the Main/Sub Contractors under the instructions of the PM project.
- Review, inspect, supervise and approve material and works for mechanical equipment prior to installation.
- Construction supervision for all networks mechanical works of the project.
- Checking and testing mechanical equipment an works after installation.

Dates : From Nov. 2014 till Mar. 2016
Employer : Saudi Arabian PARSONS Ltd. (SAPL)
Job title : Sr. MEP – Project Manager
Job Description :

- Al Kharj Project (from Nov. 2014 till Mar. 2015) - one from many construction supervision separate sites that (SAPL) partnered with the Ministry of housing (MOH) for development. It has 2,534,430 m² of land and 2,825 apartments and villas. The communities will ultimately include mosques, medical facilities, schools, police stations, parks, landscaped open spaces, commercial/retail development, electrical substations, and sewage treatment plants to provide complete and modern communities attractive to Saudi citizens.
 - Review Main/Sub Contractors submittals, making suggestions / modifications relate to project contract, specification, BOQ and shop drawings.
 - Provide all comments, notices, etc to the Main/Sub Contractors under the instructions of the PM/CM project.
 - Review, inspect, supervise and approve material and works for mechanical equipment prior to installation.
 - Construction supervision for all networks mechanical works of the project.
 - Checking and testing mechanical equipment an works after installation.
- MOH Riyadh Branch Technical Support (from Apr. 2015 till Jun. 2015):
 - Preparing, supervision and surveying for many existing and new sites that in MOH plan which will cover the Saudi citizens' demand in next years in Riyadh area.
 - Review the surveying Contracts submittals, making suggestions / modifications relate to sites layout and drawings.
 - Provide all comments related to mechanical works, notices, etc to

- MOH Riyadh Branch general manager.
- Sites visit to provide the comments related to infrastructure requirements from utilities as roads, water, electricity, telephone, pump stations.
- MOH O&M Dep. Technical Support (from Jul. 2015 till Mar. 2016):
 - Preparing, supervision and planning the O & M programs of the ministry buildings and its braches.
 - Preparing, supervision and planning the O & M programs of the infrastructure projects and the general utilities with other ministries as electricity, national water company and telecommunications to keep these items in best conditions and life cycle by doing the planned O & M programs.
 - Provide all comments, notices; etc to O & M Dep. General Manager related to the MOH submittals as O & M contracts and others.
 - Provide the O & M plan and programs related to new infrastructure, buildings and common utilities as roads, water, electricity, telephone, pump stations.

Dates : From Apr. 2012 till Oct. 2014

Employer : East Delta Electricity Production Company (EDEPC)

Project : Al-Shabab Gas Turbine Power Plant 1100MW Project, Ismailia:

- Al-Shabab GT Power Plant 1100 MW (8x125MW GE Gas Turbine frame 9E + 3x30MW) Project is a one of many power stations follows East Delta Electricity Production Company (EDEPC) that considered a one of largest companies under control Ministry of Electricity and Renewable Energy (MERE).
- The project construction started in 2010 its cost about 4 billion Egyptian Pound we were the Project owner's, many of local / international construction companies were under our supervision as SIEMENS, GE, ABB, KN, HUNDAY and other local companies.
- During 2011 the project was in commissioning and start-up stage after that we lead the project as owner to the following O & M stage with GE.
- During 2013 Planning with PEJESCO consultant of the ministry of electricity to prepare the studies needed to convert the plant from SCPP simple cycle power plant to CCGT/combined cycle gas power plant.
- During 2014 modified the standard nozzle of GE gas turbine frame 9E to DLN and CI Combustion Inspection.
- During 2014 Evaluation of bids submitted by (SIEMENS, GE, ALSTOM and MITSUBISHI) companies for ST steam turbine, HRSG, ACC Air Cooled Condenser and Generators tenders required to convert the plant from simple cycle to combined cycle.

Job title : Mechanical Maintenance Manager

Job Description :

- Technical consultant on plants related issues, discuss, coordinate and resolve problems with equipment suppliers.
- Provide technical assistance to the reliability unit to ensure reliable operation of the rotating equipment.
- Evaluate condition of rotating equipment to predict life and adjust maintenance intervals.
- Lead a team to carry out the corrective, preventive, overall mechanical maintenance as CI., HGP and DLN1 to monitoring of all mechanical equipment plant as following:

- GE gas turbine frame 9E and its auxiliaries such as auxiliary gear box, torque converter, cranking motor, turning gear motor, lifting and lubricating oils, cooling water, fuel supply, inlet air fans, heat exchangers and blowers.
- Emergency diesel generators and its auxiliaries as fuel tanks and cooling water systems.
- Power generation unit utilities such as ventilation system, fire fighting system FM200 / carbon dioxide and unity/ central air conditioning equipment for DCS rooms.
- EMIT RO water desalination unit's auxiliaries as pre filtering, membranes, chemical injection systems, pumps, water tanks, compressed air system, ion exchangers, fire fighting, and HVAC system.
- Potable water and west water treatment plants and its auxiliaries.
- Gas/ liquid fuel module system and its auxiliaries as pumps, storage tanks, filtering and tracing system.
- Underground feed water supply system and its auxiliaries as lifting submersible pumps, storage tanks and feed pumps.
- Fire fighting system and its auxiliaries as main AC/DC fire pumps, jokey, fire hydrant and valves.
- Building service construction supervision as HVAC, plumbing, fire fighting for administration, workshops, labor house electric substation, control rooms and others.

Dates : From Sep. 2010 till Apr. 2012

Employer : Mott Mac Donald International Engineering Consulting Company (MM)

Project : Management Jeddah Municipality Projects (JMP), KSA:

Jeddah Municipality Project (JMP) is one of largest and important project that provide the Management, Engineering Consulting and O&M for Jeddah Municipality Projects as storm water, irrigation network, roads, tunnels, under passes and buildings the projects were:

- Construction Supervision Projects as follows:
 - Prince Majed and Hera'a underpass as landscape areas, storm water pump station and drainage system.
 - Prince Majed and Rawda underpass as landscape areas, storm water pump station and drainage system.
 - King Abdullah and King Abdul Aziz underpass as landscape areas, storm water pump station and drainage system.
 - Prince Majed and Solaiman Bakhshab underpass utilities as landscape areas, storm water pump station and drainage system.
 - Prince Majed and Falesteen underpass utilities as landscape areas, storm water pump station and drainage system.
 - Irrigation pipe network and water tanks for all landscape areas in Jeddah.
 - Install and test of submersible pumps for tunnels storm water in different locations of Jeddah.
 - Asfan Municipality Building utilities as fire fighting, drainage, potable water and HVAC system.
 - Jeddah Municipality Visitors Car Park utilities as fire fighting, drainage, ventilation system.
 - Pump Station, Lift Station and water tanks for Jeddah Irrigation Network.

- O & M Technical Support Projects as follows:
 - Zahret Al Steen Municipality Building for central HVAC System, fire fighting and potable water.
 - Historical Museum Abroq Alrghamh Building for Central HVAC System including chelirs
 - Change / Install submersible pumps for some existing Tunnels pump stations.
- Design review before tenders Projects as follows:
 - Utilities of landscape areas, storm water network, pump station, box Calvert and drainage and ventilation system for:
 - Storm water network, box Calvert and pump stations for Sari -1 street.
 - Storm water network, box Calvert and pump stations for Sari -2 street.
 - Falesteen, Prince Muteb and Dallah Intersection road.
 - King Fahad and Hera'a Intersection - White Horse round about.
 - King Fahad and Sari Intersection - Falk road.
 - King Fahad and Mahed Sinaai Intersection road.
 - King Fahad /Amir Abdullah Intersection - Al Drajih round about.
 - Utilities of HVAC System, fire fighting and plumbing and irrigation water of landscape areas for:
 - Amana Archive Building.
 - Utilities of fire hydrant, drainage, storm water, garbage suction compressed air system and irrigation water of landscape areas for:
 - Modification and development prince Soultan road.
 - Modification and development Kornash road.

Job title : Lead Mechanical Engineer

Job Description :

- Design reviewing for Jeddah Municipality submissions and documents projects before tenders.
- Liaison with Jeddah Municipality contractors and construction managers for projects in construction Stage.
- Operation & Maintenance Technical Support for Mechanical Works of Jeddah Municipality Projects.

Dates : From May 2009 till Aug. 2010

Employer : Mott Mac Donald International Engineering Consulting Company (MM)

Project : Potable Water transmission pipelines design, KSA:
 The project is design two Pipelines, pumping stations, buildings and storage tanks for potable Water Transmission between cities in Saudi Arabia this projects cost was about 1.6 billion USA dollars as follows:

- Altaif – Albaha water transmission pipeline, 110,000 m3/day, DN 1100 mm and 130 km length.
- Ras alzour - Hafr albatin water transmission pipeline 160,000 m3/day, DN (1100-1300) mm and 217 km length.

Job title : Sr. Mechanical Engineer

Job Description :

- Using design programs and software for water transmission pipelines.
- Preparing the Mechanical design calculation, Drawing, BOQ and other.
- Preparing the projects documentations for tenders.
- Familiar and dealing with international standards as API, ASME, ASHRE, NFPA, AWWA, ANSI, BS, ASTM, SASO.
- Familiar and dealing with International Codes as ICC, IMC, IFC, IBC,

- IPC, IPMC.
- Making evaluation for project bidders.

- Dates** : From Mar. 2002 till Jun. 2009
- Employer** : East Delta Electricity Production Company (EDEPC)
- Project** : Ayoun Mousa Steam Power Plant 640MW:
- Ayoun Mousa Steam Power Plant 640MW Project is a one of many power stations follows East Delta Electricity Production Company (EDEPC) that considered a one of largest companies under control Ministry of Electricity and Renewable Energy (MERE).
 - The project construction started in 1999 its cost approx. 5 billions Egyptian Pound. We were the owner of the Project, many of local & international construction companies were under our supervision as Siemens, Babcock & Wilcox, ABB, Hitachi and other local companies.
 - During 2002 the project was in commissioning and start up stage after that we lead the project as owner to the following O&M stage.
- Job title** : Mechanical Maintenance Engineer
- Job Description** :
- Mechanical Maintenance Engineer (from Jul. 2004 till Jun. 2009):
Carry out the corrective, preventive, overall mechanical maintenance and monitoring of all mechanical equipment plant as following:
 - Steam generator & auxiliary Boiler and its auxiliaries such as pumps, valves, air/ hot gaseous fans, blowers, drums, air heaters, and heat exchangers.
 - Emergency diesel generators and its auxiliaries.
 - Steam condensers, water heaters and Pumping stations and cooling water system
 - Sea Water Desalination units - MSF (2 x 5000 m3 /day/unit) and water& west water treatment plants.
 - Treated and untreated fuel storage tanks and its auxiliaries.
 - Buildings facilities as central HVAC, fire fitting, plumbing and other services.
 - DCS - Operation Engineer (from Mar. 2002 till Jun. 2004):
 - Operation, control and monitoring of all mechanical equipment plant as following:
 - Siemens Steam Turbine 320MW its auxiliaries.
 - Babcock & Wilcox Steam Generators within high steam flow rate 1090 t/hr and its auxiliaries.
 - Hitachi Sea Water Desalination plants (MSF – 2 x 5000 M3/day/unit) and its auxiliaries.
 - Emit Water Treatment (Ion Exchange - 150 M3/hr), Hypo chlorite Units and its auxiliaries.
 - Prepare and operate all systems of these units to be in service.
 - Controlling, monitoring all systems in service and response for any trouble shooting.
 - Follow up the steps of operation and shut down for unit to be loaded and unloaded.
- Dates** : From Oct. 1995 till Feb. 2002
- Employer** : Al Ahram Beverages Company (ABC)

- Project** : Al Ahram Beverage Factories Project, Sharkia:
The project was Construction a new production lines and maintain the existing production lines (bottles & cans) for beverage and soft drinks manufacturing.
- Job title** : Sr. Mechanical - Construction and (O & M) Engineer
- Job Description** :
- Mechanical Maintenance Engineer Head Section (from Mar. 1998 till Feb. 2002):
Carry out the corrective, preventive and overall mechanical maintenance for the following:
 - Rotating equipment for fire tube boilers, diesel generators and air compressors.
 - High capacities cooling, refrigeration plant and its auxiliaries.
 - Buildings facilities as central HVAC, fire fitting, plumbing and other.
 - Raw water treatment plant and deep well water pumps.
 - Liquid fuel/gas supply systems.
 - Bottles / Cans Production Lines Equipment.
 - Mechanical Engineer (from Oct. 1995 till Feb. 1998):
Production lines equipment construction supervision as follows:
 - Bottles / Cans Production Lines Equipment such as filling, washing, pasteurizer, labeling, caser, uncaser, conveyors, packing and other utilities.

Relevant Project Experience:

- Ministry of Housing (MOH) - Saudi Arabia (from 2016 till now):
 - Rabigh Infrastructural Project, Makkah, Saudi Arabia.
 - Sr. Mechanical Engineer, Omrania & Assocaitees (O&A).
- Ministry of Housing (MOH) - Saudi Arabia (from 2014 till 2016):
 - Al Kharj Infrastructural Project, Riyadh, Saudi Arabia.
 - Sr. MEP Engineer, PARSONS Cooperation.
- Ministry of Electricity and Renewable Energy (MERE) – Egypt (from 2012 till 2014):
 - Al-Shabab Gas Turbine Power Plant 1100MW Project, Ismailia, Egypt.
 - Mechanical Maintenance Manager, East Delta Electricity Production Company (EDEPC).
- Jeddah Municipality - Saudi Arabia (from 2010 till 2012):
 - Jeddah Municipality Management Project (PMO), Jeddah, Saudi Arabia.
 - Lead Mechanical Engineer, Mott Mac Donald (MM).
- Saline Water Conversation Cooperation (SWCC) - Saudi Arabia (from 2009 till 2010):
 - Potable Water transmission pipelines design, Jeddah, Saudi Arabia.
 - Senior Mechanical Engineer, Mott Mac Donald (MM).
- Ministry of Electricity and Renewable Energy (MERE) – Egypt (from 2002 till 2009):
 - Ayoun Mousa Steam Power Plant 640MW Project, Suez, Egypt.
 - Sr. Mechanical Engineer, East Delta Electricity Production Company (EDEPC).
- Ministry for Trade and Industry (MFTI) – Egypt (from 1995 till 2002):
 - Al Ahram Beverage Factories Project, Sharqiyah, Egypt.
 - Mechanical Maintenance Engineer Head Section, Al Ahram

Beverages Company (ABC).

- Field of experience :**
- I have more than 22 years experience as Professional Engineer in power generation heavy equipments, Industrial processing, design review, construction supervision, testing / commissioning and operation / maintenance of mechanical works related to SCPP simple cycle power plant, CCGT/combined cycle gas power plant, MSF and RO desalination plants, beverage factories, water transmission lines, WTP water treatment plant and STP Sanitary Treatment Plant for infrastructure utilities of mega residential projects.
 - I have more than 6 years proven experience in KSA with multinational engineering consultant companies (PARSONS Cooperation, Mott Mac Donald) and international engineering consultant company (Omrania & Associates) as Lead Mechanical Engineer in mega infrastructure projects contracts ranged between \$50 M and \$ 600M.
 - I'm leading team to control, discuss, coordinate construction issues and resolve problems with organizations.
 - I follow the guidelines of international engineering consulting firms in construction supervision of ME works to ensure compliance with standards, codes, project specifications, BOQ, design/ shop drawings, laws of principles, and environmental.
 - I'm familiar and dealing with International standards as API, ASME, ASHRE, NFPA, AWWA, ANSI, BS, ASTM, SASO and International Codes as ICC, IMC, IFC, IBC, IPC, IPMC.