

**103266-MEC-15CVX-E-2011**  
**Senior Mechanical Construction Engineer**

Holds a B. Sc. in Mechanical Engineering and has about 7 years of field experience in areas of fabrication, erection, testing and pre-commissioning activities of piping systems as Piping Engineer in petrochemical and power plants. Has full knowledge and experience in drawings related to piping like isometric, P&ID, Plan Ext... also in drawings related to mechanical equipment.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/03/1988  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2011

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: AutoCAD 2D  
: Matlab

## TRAINING COURSES AND CERTIFICATIONS

: Fuel injection systems for gasoline and diesel engine, Industrial Training Council (ITC).  
: Hydraulic advanced level, Industrial Training Council (ITC).  
: Maintenance of heat exchangers, pumps and bearings, Abu Qir Fertilizers (2010).  
: Operation of turbo machinery equipment (pumps, compressors, turbines), Sidi Krir and Nubaria Power Stations, according to graduation project (during 2011).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2016 till now
- Employer** : PSP (POWER SYSTEMS PROJECTS) ELSEWEDY - EGYPT (EPC CONTRACT)
- Project** : BENI SUEF 4800MW COMINED CYCLE POWER PLANT (FAST TRACK)
- Job title** : Senior Mechanical Construction Engineer
- Job Description** :
- Responsible for construction mechanical drawings according to applicable standards, specifications and review method statement for construction activity.
  - Supervising all piping activity fabrication and erection of power block piping systems of (2 x Gas Turbine 400MW SGT5-8000H), 2 boilers (VERTICAL HEAT RECOVERY STEAM GENERATION).
  - Review inspection reports, delivery schedules, installation manuals and technical documents.
  - Cross checking Isometrics with Plan & P&ID drawings.
  - Supervision of subcontractor's activities developing progress according to schedule.
  - Planning of erection sequence as per site conditions.
  - Prepare technical reports (i.e. Non-conformance reports, RFI, damage reports...etc.).
  - Deal troubles occurred during erection according to deviation between Actual Site and design plan.
  - Establish communications with Design to resolve field problems.
  - Raising site technical queries and initiating field modifications.
  - Evaluate additional work as manpower, as built inch or as built weight
  - Co-ordination with the owner initiating and the closure of punch list items.
  - Pre-commissioning activity:
    - System conformity & integrity checks.
    - Water flushing, Air blowing.
    - Pressure test, Leak test.
    - Post-test component reinstatement of piping systems.
- Dates** : From May 2015 till Apr. 2016
- Employer** : PSP (POWER SYSTEMS PROJECTS) ELSEWEDY - EGYPT (EPC CONTRACT)
- Project** : EL-MAHMOUDIA 330MW SIMPLE POWER PLANT (FAST TRACK)
- Job title** : MECHANICAL CONSTRUCTION ENGINEER
- Job Description** :
- Supervising all piping activity fabrication and erection of BOP above and underground piping (2 x Gas turbine 162MW).
  - Responsible for construction mechanical drawings according to applicable standards, specifications and method statement.
  - Supervising plant and building firefighting systems (hydrant, sprinklers, tanks cooling ring).
  - Cross checking Isometrics with Plan & P&ID drawings.
  - Supervision of subcontractors activities developing progress according to schedule.
  - Review the project schedule, progress for mechanical system.
  - Planning of erection sequence as per site conditions.

- Deal troubles occurred during fabrication and/or erection according to deviation between Actual Site and design plan.
- Raising site technical queries and initiating field modifications.
- Updating piping isometrics to as-built status.
- Pre-commissioning activity:
  - System conformity & integrity checks.
  - Water flushing, Air blowing.
  - Pressure test, Leak test.

**Dates** : From Feb. 2015 till May 2015

**Employer** : MEGA CONSTRUCTION AND INDUSTRIES

**Project** : WEST DAMIETTA 500MW SIMPLE POWER PLANT (FAST TRACK)

**Job title** : MECHANICAL CONSTRUCTION ENGINEER

**Job Description** :

- Supervising of fabrication and erection activities of BOP Above/underground piping systems.
- Responsible for construction drawings according to applicable standards and specifications.
- Review inspection reports, delivery schedules, installation manuals and technical documents.
- Review the project schedule, progress for all piping system.
- Cross checking Isometrics with Plan & P&ID drawings.
- Materials receiving and inspection of piping materials.
- Planning of erection sequence as per site conditions.
- Establish communications with Design to resolve field problems.
- Review and prepare shop drawing and carrying out welding map.
- Raising site technical queries and initiating field modifications.
- Updating piping isometrics to as-built status.
- Pre-commissioning activities:
  - System conformity & integrity checks.
  - Water flushing, Air blowing.
  - Hydro testing, Leak test.

**Dates** : From Dec. 2013 till Feb. 2015

**Employer** : MARIOUT ENGINEERING AND CONSTRUCTION

**Project** : EZZ STEEL – AIN SOKHNA

**Job title** : Piping Engineer

**Job Description** :

- Supervising all piping activities of fabrication and erection of steam reformer and product gas heater and co2 removal process unit.
- Review the project schedule, progress for all piping system.
- Materials receiving and inspection of piping materials.
- Planning of erection sequence as per site conditions.
- Installation of pipe support, spring hangers and spring support.
- Deal troubles occurred during fabrication and/or erection according to deviation between Actual Site and design plan.
- Establish communications with Design to resolve field problems.
- Raising site technical queries and initiating field modifications.
- Evaluate additional work as manpower, as built inch or as built weight.
- Report weekly installed bill of quantities and prepare monthly invoice.

**Dates** : From Dec. 2012 till Nov. 2013  
**Employer** : ALHUSSAM CONTRACTING  
**Project** : EGYPTIAN INDIAN POLYESTER COMPANY (EIPET) – SUEZ  
**Job title** : Piping Engineer  
**Job Description** :

- Supervising all piping activities of fabrication, erection and testing as per applicable standard fabrication and erection of jacketed piping.
- Materials receiving and inspection of piping materials.
- Cross checking Isometrics with Plan & P&ID drawings.
- Provide technical assistance to the Superintendent and keeps them informed on matters relating to quality control.
- Check progress for all piping system. As built drawing for piping.
- Installation of pipe support, spring hangers and spring support.
- Deal troubles occurred during fabrication and/or erection according to deviation between Actual Site and design plan.
- Pre-commissioning activities:
  - System conformity & integrity checks.
  - Water flushing, Air blowing.
  - Hydro testing, Leak test.
  - Post test component re-instatement.

**Dates** : From May 2012 till Dec. 2012  
**Employer** : Boston Structures Engineering & Contracting (QATAR)  
**Project** : Doha Convention Center and Tower (DOHA)  
**Job title** : Site Construction Engineer  
**Job Description** :

- Supervise fabrication and erection of secondary steel substructure for cladding panels.
- Plant steel structure work Fabrication and erection of main steel.
- Responsible for construction drawings and studies the contract documents and applicable standards or specifications works as per approved drawings and methods and safety rules.
- Deal troubles occurred during fabrication and/or erection according to deviation between Actual Site and design plan.
- Provide technical assistance to the Superintendent and keeps them informed on matters relating to quality control.
- Report weekly installed quantities to the Cost Engineer and prepare monthly invoice.
- Planning of erection sequence as per site conditions.
- Review the project schedule, progress as built drawing.

**Dates** : From Sep. 2011 till May 2012  
**Employer** : ALHUSSAM CONTRACTING  
**Project** : TCI SANMAR FOR PETROCHEMICALS (PORT SAID)  
**Job title** : Piping Engineer  
**Job Description** :

- Fabrication and erection of large and small bore stainless steel pipes.
- Materials receiving inspection of piping materials.
- Check progress for all piping system, as built drawing for piping.
- Coordinating Shop testing activities.

- Field of experience :**
- Good knowledge about ANSI / AWS.
  - Good knowledge about ANSI / AISC.
  - Good knowledge about ASME B31.3.
  - Good knowledge about ASME B31.1.