

**103683-MEC-145CHKQV-E-2015**  
**Piping - Pre-Commissioning Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has about 3 years experience working in construction, piping and QC.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 03/11/1991  
Gender : Male  
Marital Status : Single  
Residence : Alexandria

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2015

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Matlab (Advanced Mathematical tools, Programming, Solving Engineering Problems, GUI using Simulink in some applications)  
: AutoCAD 2D (Drawing (2D) sketches and executive sheets)  
: AutoCAD 3D (3D modeling, workspaces and mechanical parts)  
: HAP (Design HVAC systems for commercial buildings & estimate load calculation)  
: Revit MEP (Design HVAC and Fire Fighting in 3D models)  
: Navisworks  
: Photoshop

## TRAINING COURSES AND CERTIFICATIONS

: Pumps Operation, Selection, Troubleshooting and Maintenance.  
: Gas Compressor Operation, Selection, Troubleshooting and Maintenance.  
: HVAC Load Estimation, A/C Systems.  
: Fire fighting.  
: Qualification certificate in Non-Destructive Testing under guidance of American Society for Non-Destructive Testing (ASNT) Recommended Practice. NO.SNT-TC-1A in the following categories (level II):

- Radiographic Test (RT).
  - Ultrasonic Test (UT).
  - Visual Test (VT).
  - Liquid Penetrant Test (PT).
  - Magnetic Particles Test (MT).
- : Trainings at:
- Al-Mansour Chevrolet (Al-Mansour Chevrolet is General Motor's Agent; responsible for assembling, marketing GM Cars and After-sales maintenance).
  - Alex Fertilizers (AFC is one of the leading companies; responsible for the field of Production and marketing of nitrogenous fertilizers and Bulk blended Fertilizers in Egypt).
  - Sidi Krir Power Station (for Generating Electric power using combined cycle).

## CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : Orascom Construction (OC)
- Project** : ERC (Egyptian Refinery Company)
- Job title** : Piping - Pre-Commissioning Engineer
- Job Description** :
- Area of Activities:
    - Utility area (Fire water, Cooling tower, Compressor, Raw water, Waste Water Treatment and Nitrogen).
    - Delayed Coker Unit (DCU) (Coke drum, Fractionator, Process water, Furnace and Natural gas lines).
  - Reviewing the drawing supplied and checking P&ID drawing for assuring its possibility and correctness according to the site condition.
  - Responsible for preparing and planning for the hydro/pneumatic test packs and associated documents for timely completion of the work.
  - Responsible for making re-instatement work after hydro/pneumatic test.
  - Sharing in commissioning by flushing for piping network as: closed cooling water system, instrument air, fire water system, ...etc.
  - Closing owner (PI-CO) punch items.
  - Periodic reporting of the test progress.
  - Alignment of (pumps - turbines - compressor) and adjustment of the piping connected to rotating equipments.
  - Assuring the acceptable quality of materials, processes, and workmanship in the project work.
  - Day-to-day management of the site, including supervising and monitoring the site labor force and the work of any subcontractors.
  - Responsible for piping fabrication in accordance with schedule, Procedures and Availability of Construction Drawings.
  - Responsible for clearing construction and flange management punch points and proper alignment between pump and pipe.
- Employer** : Orascom Construction Industries Algeria (OCIA)
- Project** : Second Cement Production Line Project
- Job title** : Mechanical Construction Engineer

**Job Description** : 

- Area of Activities: Cement mill building and Cement mill hopper.
- Be completely versed in the firm-client contract for the project, and of the clients objectives. Satisfy clients goals.
- Analyze the project scope, organize the work on the project and set forth the procedures to be employed in accomplishing the project.
- Installation of mechanical equipment such as ball mill, dynamic separator, bucket elevator, valves, feeders, etc.
- Alignment of rotating equipment such as alignment of motor and gearbox of ball mills, dynamic separator, rotary valve, etc.
- Monitor Welders performance and conduct visual inspections of welds.
- Day-to-day management of the site, including supervising and monitoring the site labor force and the work of any subcontractors.
- Organize the lifting process and make lifting plan for critical lifting.

**Employer** : Al Hashemiah

**Project** : EI-Burullus Power Station

**Job title** : QC Mechanical Engineer

**Job Description** : 

- Inspection & Quality control of all construction system. Gas Turbine Air Intake Ventilation Duct System, combustion chamber, Turbine, Generator, Diffuse, and Stack.
- Following inspection Installation of Equipment.
- Follow up & reporting construction.
- Monitor Welders performance and conduct visual inspections of welds and repairs of welds in accordance with Company procedures and international codes of practice.

**Employer** : Pan AuSai

**Job title** : Junior Mechanical Engineer

**Job Description** : 

- Engineering, developing and enhancing technical skills.
- Process, maintenance and manage loading operation.