

Holds a B. Sc. in Mechanical Power Engineering and has about 12 years hands-on experience working in construction and piping.

## **PERSONAL DATA**

Nationality : Egyptian  
Gender : Male  
Marital Status : Married  
Residence : Tanta

## **EDUCATION**

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

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD

## **TRAINING COURSES AND CERTIFICATIONS**

: Certified NDT Level (II) inspector in Radiographic Testing.  
: Certified NDT Level (II) Inspector in Liquid Penetrate Testing.  
: Certified NDT Level (II) inspector in Ultrasonic Testing.  
: Certified NDT Level (II) inspector in Magnetic Testing.  
: Certified NDT Level (II) inspector in Visual Testing.  
: Certified and have experience in Occupational Safety & Health Administration.  
: Course in ASME B31.3.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Feb. 2019 till now  
**Employer** : Orascom Construction Company  
**Project** : New Art and Culture City (Opera)  
**Job title** : Site Team Leader

**Job Description** : • Installation of Chiller Plant, Cooling tower and main network pipes (chilled water piping).  
• Start phase of hydro test and pre-commissioning.

**Dates** : From Jun. 2016 till Jan. 2019

**Employer** : Orascom Construction Company

**Project** : ERC Refinery Project

**Job title** : Site Team Leader

**Job Description** : • Area of activity:

- Utility area (Fire water, Cooling tower, Compressor, Raw water, Waste Water Treatment, Steam boilers 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.

• Liaise with material management team to ensure the project piping material delivery are in time as per planned schedule to site.

• 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 clearing construction and flange management punch points and proper alignment between pump and pipe.

• To ensure that all project / Company HSE goals are achieved and where possible exceeded that all construction personnel on the project aware of implement safe working practices procedures and all provided with safe working environments. Deliver a high standard construction capability on the project ensuring a consistent and efficient approach is implemented at all times.

• To identify, analyze and solve problems (site safety, technical, construction quality control, schedule).

**Dates** : From Jan. 2015 till Jun. 2016

**Employer** : Saudi Services for Electro-Mechanic Works Co. Ltd. (SSEM)

**Project** : Qurayat Power Plant

**Job title** : Sr. Mechanical & Construction Piping Engineer

**Job Description** : • Execute overall on plot piping fabrication and erection works include identification of materials.

• Fabrication of pipe spool, organize inspection of welding, coordination for the NDT punch list, hydro testing, Flange Management and box up

activities as per applicable codes, procedure and standards.

- Assist pre-commissioning and commissioning activities of piping systems completed include flange joint leak test, air flushing, water flushing, nitrogen purging, etc.
- Coordinate for the shutdown activities of Off plot and On plot tie in piping works include shut down plan preparation, man power, machinery, shut down materials and equipment estimation.
- Coordination for the Permit To Work procedure with client, coordination for the site preparation, etc.
- Familiar of construction method statements and procedures like procedures for fabrication of piping, installation and testing of piping and structure's, installation of equipments, etc.
- Preparation of different types of work permits for the mechanical activities, attend the Permit to Work training classes, identify and control the hazards, site visit with client, preparation for site audit.
- Check the Bill of Material (Material Take Off) as per drawing for ensuring requirements are realistically quantified as per scope and budget and follow up the delivery of the project/construction materials.
- Study the vendor manuals for monitoring the materials delivery and ensuring all inspection of material/equipment as per vendor specification.
- Coordinate for the installation, stringing, lowering, testing, and commissioning activities of 18 KM pipe line between oil storage tanks and our area at Qurayat Power Plant.
- Conduct daily meeting for the progress and concern related to the works with Civil, Electrical, Instrumentation and Commissioning discipline head, participate weekly meeting with client.
- Responsible for spool fabrication/erection/ line checking test of package wise within boundary limits and hydro-testing, also maintain activities in the existing facilities to ensure the activities are executed as per the work Scope and in adherence to the HSE standards.
- Prepare daily activity and ensure that all relevant documentation P&ID, ISO Drawing will be provided in put the work scope and planning of the activity and prepare material Requisition.
- Follow up activities of Test packages, welding and piping inspection including punch list clear.

<b>Dates</b>	:	From Feb. 2012 till Dec. 2014
<b>Employer</b>	:	(Kahromika) Misr Company for Mechanical and Electrical Projects
<b>Project</b>	:	El-Ain Sokhna 2x650MW Thermal Power Plant Supercritical Steam Generator, CP-105
<b>Job title</b>	:	Site Team Leader
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• Duct work assembly and erection including related steel structure, piping, dumper.</li><li>• Pressure parts erection.</li></ul>
<b>Dates</b>	:	From Nov. 2009 till Jan. 2012
<b>Employer</b>	:	(Kahromika) Misr Company for Mechanical and Electrical Projects
<b>Project</b>	:	Cairo West 2x350MW Thermal Power Plant, CP-118
<b>Job title</b>	:	Piping Engineer

- Job Description** :
- Job responsibilities: (U 7/8).
  - CP-118 Mechanical contract (piping / equipment).
  - Construction activity:
    - Fabrication shop activity:
      - ❖ Responsible of fabrication shop productivities for Unit 7 during fabrication phase "non- critical pipes" according to ASME Code B31.1 power piping
      - ❖ Following and recording inspection steps during fabrication "fit up inspection, welding inspection, sand blasting and painting inspection"
      - ❖ Make sure arrangement of fab. Shop lay down areas and make sure name plates for each spool.
      - ❖ Sharing with technical office in making cutting map.
      - ❖ Following schedule and indicating priorities in fab. Shop according to site requirements.
      - ❖ Insure work according to WPS special for alloy steel "pre-heating and post weld heat treatment procedure".
    - Installation:
      - ❖ Complete erection of Non-Critical and Critical Piping in Steam Power Plant.
      - ❖ Following progress in area and increasing erection productivity to achieve planned Time schedule.
      - ❖ Indicating the priorities of systems to complete erection according to Pre-commissioning dates.
      - ❖ Closing systems by coordinating Test Packages in areas.
      - ❖ Lead construction group in area to close punch list, and Q.C notifications according to standard codes.
      - ❖ Making Re-instatement and closing "B" items in punch list after Hydro-test.
      - ❖ Following consultant punch items during pre-commissioning till make pipe system under commissioning.
      - ❖ Coordination on site with other contractors.
      - ❖ Divided pipe system to Process systems and Utilities Systems and indicating Priorities according to time schedule for shared systems between different areas.
      - ❖ Make sure safety on site during works according to PGESCO. Instructions.
    - Pump installation:
      - ❖ Take levels and axis for most pumps included in power plant station as "Feed Water, Closed Cooling Water, Service Water Pumps" ....etc.
      - ❖ Make pre-alignment for piping and final alignment for pump.
      - ❖ Make parallelism refer to standard sheet.
  - Pre-commissioning activity:
    - Making record for hydro-test in Unit 7 and Unit 8 for critical and non-critical.
    - Making the final walk-down on the test packages according to ISO drawings and P&ID before inspection from QC to get the test package release for Test "RFT".
    - Following test packages and preparing loops for hydro-test.
    - Make pneumatic test for gas line and purging, and insure safety

precautions during.

- Making necessary re-instatement work after hydro-test and pneumatic test.
- Make the Punish List for Critical and Non-Critical Systems in the Power Plant.
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- Commissioning:
  - Closing Consultant punch items on site.
  - Reporting to punch manager about punch items progress and shared points with Civil and instrumentation.
  - Prepare system check list with consultant for pipes and its supports, valves, Orifices, bolts...etc.
  - Submitting necessary permits to work inside commissioned areas.
  - Making general walk down on systems and packaging P&ID, ISO drawings, valveList, line list ...etc.

**Dates** : From Jan. 2009 till Nov. 2009  
**Employer** : (Kahromika) Misr Company for Mechanical and Electrical Projects  
**Project** : El-Kureimat Power Station Combined Cycle III (2x750MW)  
**Job title** : Piping Engineer  
**Job Description** :

- Manage pipe work shop fabrication.
- Manage pipe erection.
- Erection pipe supports.
- Supervise sub-contractors site work.
- Draw as built drawing for pipe lines.
- Rectification of Punch items list.

**Dates** : From Dec. 2007 till Jan. 2009  
**Employer** : (Kahromika) Misr Company for Mechanical and Electrical Projects  
**Project** : El-Kureimat Power Station Combined Cycle (1x750MW)  
**Job title** : Welding Engineer  
**Job Description** :

- Make welding procedure (WPS) and welder qualification.
- Witness to qualified welders test in Accordance applicable codes.
- Prepare and making all welders certificates.
- Site control for mechanical & welding activities as code, standard and contractor.
- Follow up and verified preheat and PWHT operation.
- Solving the problems of punch list with consulting team.
- Prepare piping weld map.

**Field of experience** :

- From Jun. 2016 till now working at Orascom Construction Company.
- One & half year experience as Sr. Mechanical Equipment and Piping Engineer in Saudi Arabia with SSEM Company.
- Two years experience in erection and fabrication of duct.
- Four years experience as a Mechanical and Piping Engineer.
- Two years experience as Welding Engineer.
- Experience in using the following Codes & Standards: ASME B31.1,

ASME V, ASME IX.