

Holds a B. Sc. in Industrial Education (Dept.: Technology of Cooling and Air Conditioning System) and a B. Sc. in Mechanical Power Engineering. Has over 13 years hands-on experience working in QA/QC.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 28/11/1985  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## EDUCATION

- : B. Sc. in Mechanical Power Engineering, Banha University, 2016
- : B. Sc. in Industrial Education (Dept.: Technology of Cooling and Air Conditioning System), Helwan University, 2006

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

- : Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Certified Welding Inspector (CSWIP) from (AWS).
- : API 570 course.
- : Liquid penetrant test (PT) level 2.
- : Magnetic particle (MT) level 2.
- : Ultrasonic test (UT) level 2.
- : Visual test (VT) level 2.
- : Radiographic test (RT) level 2.
- : Radiation Protection Principles (Egyptian Atomic Energy Authority).
- : Lead Auditor (ISO 9001:2015).
- : HVAC - HAP (air conditioning).
- : American language course (Ministry of Defense Language Institute).

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2017 till now
- Employer** : GS E&C
- Project** : ERC (Egyptian Refining Company) Refinery Project (Egypt)
- Job title** : QA/QC Piping & Welding Engineer
- Job Description** :
- Flange Management Activity.
  - Applying visual inspection on all welding consumables, filler wire, fluxes as per approved WPSs, welding procedures, related international codes (ASME, EN, AWS, ....etc.). Packing & drying conditions to be kept during inspection.
  - Review electrodes & fluxes certificates with highlighting on chemical, mechanical & other required properties.
  - Follow up the traceability of the consumables, segregation of various electrodes.
  - Witness on impact testing, chemical & mechanical testing, when required, on reputed laboratories.
  - Confirm correct angles, joints and gaps (bevel angle, lap joint, root gap, etc...) as per approved joint design mentioned in the approved WPS.
  - Confirm pre-welding set-up (materials properly aligned, clamps in place, equipment in correct position).
  - Confirm proper calibrated welding machine settings, amperage and voltage.
  - Check all related devices in calibration status as DC clamp, purging, thermometer, Hi-Low, etc.
  - Applying MT, PT for surface and sub-surface defect detection.
  - RT films interpretation and acceptance as per applied codes.
  - Welder performance qualification testing (WPQT) for piping, plates as per ASME, AWS, API, EN.
  - Prepare WPS & PQR packages as per numerous codes & standards with respect to essential & non-essential variables.
  - Deep experience in welding and related testing for various materials as P11, P22, P5, P9, stainless, duplex, Inconel, copper.
  - Witness Brazing qualification testing (BQT) as per ASME IX.
  - Mechanical properties & chemical analysis witness & review for unspecified materials as per specified codes. Other properties to be maintained and noticed as ferrite number, hardness values.
  - Supervise activities inclusive of fabrication, piping installation, pressure testing and pre-commissioning.
  - Piping pre-fabrication inspection in the fabrication shop, fit up and welding inspection, erection of large bore piping like compressor suction and discharge piping, pipe support installation, piping alignment checking, pipe route and pipe support modification works, pre-punch works, line checking with test packages, punch clearing, witness and inspection of hydro testing and reinstatement works.
  - Fabrication, welding and erection of pipes as per isometric and plan drawings for the various types of materials.
  - Supervise and monitor PWHT and NDT activities and sign off all reports Related to these activities.
  - Monitor and witness pressure test of pipelines according to the piping

class, test limits and required pressure.

- Check and inspect the gaskets, supports, valves prior to line reinstatement, as per latest ISO drawing, codes and specifications.
- Monitor and supervise reinstatement.

**Dates** : From Jan. 2016 till Dec. 2016  
**Employer** : National Steel Fabrication Co. (NSF)  
**Projects** :

- West Damietta / Egypt - Steel Structure, Ducts Supply Contract
- New Assiut Simple Cycle Power Plant 1000MW - Tanks & Steel Structure
- GIS Building steel structure for New Capital Power Plant - Orascom
- Fabrication of 6th October Power Plant (Inlet duct, Secondary steel, stack and Casing)
- Burrulus Power Plant - Double sleeve casings for Preliminary Pile Load Test
- West Damietta Power Plant - Tanks & Steel Structure
- Fabrication of The Grand Museum Project - Cairo, Egypt
- Fabrication of ZOHER PROJECT – Main pipe rack Steel Structure
- GS Visual Works for ERC Project

**Job title** : QA/QC Engineer  
**Job Description** :

- Assist in developing the Project Quality Management system by establishing procedures, plans and work instructions as needed.
- Monitor implementation of the Quality Management System through regular audits and reviews.
- Establish and monitor Key Performance Indicators (KPIs) to measure quality performance in different areas of work development and at various project Phases.
- Conduct and Participate in Company Quality or technical compliance audits for Contractor, Sub Contractor or Vendors.
- Monitor and report on compliance and non-conformities and maintain relevant records.
- Issue Inspection & Test Plan and ensure compliance with client requirement & specification.
- Coordinate with the company's discipline engineers for the resolution of technical discrepancies.
- Check all materials delivered to project and ensure its compliance with approved materials and specification.
- Attend all activities on workshops, ensure the fabrication establish, and submit the Project Quality Plan.

**Dates** : From 2013 till Dec. 2015  
**Employer** : Ali Sons Group  
**Projects** :

- NESTLE - Replacement and Renewal of the Ammonia Cooling Compressors Room
- JUHAYNA - Changing Fire Pipes for the Steam Boilers
- Johnson Controls - Installation of Ammonia cooling stations Temperature -90

**Job title** : QC Engineer

- Job Description** :
  - Boilers (Water Tube - Fire Tube): Replacement and renewal.
  - Production Lines: Installation and maintenance.
  - Tanks: Installation and maintenance.
- Dates** : From Jan. 2010 till Dec. 2012
- Employer** : Alkan Networks
- Job title** : QC Engineer
- Job Description** :
  - Make inspection activities (measure the length, width, diameter and thickness) of the raw materials and tools supplied to alkan networks warehouse from external suppliers or in the supplier's warehouse according to purchasing order and specs.
  - Make inspection activities on more than 4200 ton steel structure fabricated according to technical drawing and projects specs where (2500 ton to BURKINA-1500 ton to SERALION- 950 ton to SUDAN and the rest to SENEGAL) in ALKAN network factory in Alexandria.
  - Make inspection activities on 2500 ton steel structure fabricated according to technical drawing, specs in alkan networks workshop in Abow Rawash.
  - Make inspection activities on the electrical distribution board supplied from several external suppliers.
  - Make inspection activities on the shelter panels (check the dimensions according to technical drawing).
- Dates** : From Apr. 2007 till Dec. 2009
- Employer** : Egyptian Welding Academy (EWA)
- Job title** : QC Engineer
- Job Description** :
  - Make all NDT such as UT, PT, MT, RT, VT and make final reports.
  - Interpreted and review all NDE report against codes.