

**107331-MEC-45CQVW-E-2017**  
**Senior QA/QC Mechanical Inspector**

Holds a B. Sc. in Mechanical Power Engineering and has over 6 years experience working as QA/QC Piping / Welding Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2017

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

- : CSWIP 3.1 Certified and Qualified.
- : Qualified and Familiar with API 650 code.
- : ASME (IX, B31.3, B31.1).
- : Certified in Welding technology and Metallurgy.
- : Certified and qualified for NDE level II Inspector according to ASNT specifications (SNT - TC – 1A) in following methods:
  - Visual test (VT).
  - Liquid penetration test (PT).
  - Magnetic particles test (MT).
  - Ultrasonic test (UT).
  - Radiographic test (RT).
- : PTW training with 88% degree (receiving authority).
- : LOTO training.
- : Qualified and certified from Oil & Gas Skills Company (OGS – Alex.) in:
  - Pumps (operation, selection, troubleshooting and maintenance).
  - Gas compressors (operation, selection, troubleshooting and

- maintenance).
- Gas turbine (types, axial comp. operation and combustion chamber types).
- Vibration monitoring and analysis for turbo machinery protection system.
- Machine alignment types, alignment methods (dial / laser indicator) and balancing.
- : Air conditioning (online):
  - Fundamentals.
  - (Piping & duct) design.
  - Air conditioning sys.
- : Firefighting (online):
  - Sprinklers system & Hose sys.
  - Piping and fitting.
  - Zone control valve.
  - Hydraulic calculations.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2022 till now  
**Employer** : Hassan Allam Construction (HAC)  
**Project** : 6 October City, Cairo  
**Job title** : Senior QA/QC Mechanical Inspector  
**Job Description** : Electro-mechanical complete works (Piping, Compressors, blowers, pumps, generators and transformers ...).

**Dates** : From Jan. 2021 till Apr. 2022  
**Employer** : Petrojet  
**Project** : MIDOR  
**Job title** : QA/QC Welding Inspector  
**Job Description** :
 

- Static & Rotating equipment erection.
- Storage tanks (25, 15, 79M) diameter with FIXED & FLOATING systems.

**Dates** : From Jun. 2020 till Dec. 2020  
**Employer** : Alex Petroleum Industries Ltd Co. (APIC)  
**Project** : Ras Gharib crude oil tanks farm, Red Sea government  
**Job title** : QA/QC Engineer  
**Job Description** : Large tank (110 M) diameter 75,000 m<sup>3</sup> with floating system.

**Dates** : From Jan. 2019 till Sep. 2019  
**Employer** : GS Engineering & Construction  
**Project** : ERC (Egyptian Refinery Company Project), Cairo  
**Job title** : QA/QC Welding Inspector

**Dates** : From Jul. 2017 till Dec. 2018  
**Employer** : ARGUS Co. LTD  
**Project** : ERC Refining Mostorod Project, Cairo

**Job title** : QC Piping Engineer

**Responsibilities:**

- Execute a revision for quantities for bill of material installed at site.
- Implement monthly extractance for installation works at site.
- Follow up material supplying & storage and handling it to consultant engineer according tech. submittals.
- Follow up all P.O.s needed for installation process at site.
- Check fit-up for shell plates, bottom plates in fixed and floating systems including rafters, support legs, bulk head and rim itself.
- Follow welded parts in the floating sys. especially over welds.
- Follow pre-heating system for shell plates as per WPS (if needed).
- Follow and supervise all back welds via PT and joint preparation.
- Ensure that all operations are carried out in complete compliance with local, company, or National safety legislation.
- Review and check of project applicable code, standard, specs. and drawings.
- Preparation of welding procedure specification (WPS), procedure qualification records (PQR) and welder performance qualification (WPQ) according to code.
- Carrying out Inspection of welds by NDT using RT, UT and PT Methods.
- Performing dimension check and visual inspection of fabricated work as per DWG.
- Preparation and Issue of NDT (RT, UT, MT, PT) procedures.
- Vacuum box test (VBT), Ferrite testing (FT) for SS alloy, positive material identification (PMI) and hardness test (HD) as well as HAZ and weld metal.
- Visual inspection after welding (check weld joints for materials like CS, SS, alloy steel of different size) & during welding (reduce heat input for root pass) and before welding process.
- Fit-up inspection, surface preparation, root gap, bevel angel, misalignment, material heat number, material size (SCH) as per ASME B31.3 checking.
- Witness for WQT (welder qual. test) involved welder qualification with SMAW& FCAW (semi-automatic) and GTAW processes.
- Monitoring welder performance and discussions with client as well as sub-contractors to Maintain Production Quality.
- Check calibration certificates for welding machine & inverters and portable oven for electrode before using.
- Review of sub-contractor welding procedure qualifications.
- Repair procedure to be checking the Excavation procedure, Approval of the NDT procedure, Repair procedure.

**Field of experience** : QA/QC Mechanical Welding Engineer with over 6 years of experience in construction of oil & gas stations and water purification stations:

- Piping detailing, piping and piping supports sys. Installation.
- Oil & Gas projects.
- Crude oil storage tank.
- Pipe line.