

Holds a B. Sc. in Mechanical Power Engineering and has about 12 years hands-on experience working in maintenance and QA/QC.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 11/01/1988  
Gender : Male  
Marital Status : Single  
Residence : Cairo

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Zagazig University, 2010

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD  
: Solid Works

## **TRAINING COURSES AND CERTIFICATIONS**

: CSWIP 3.1 Welding Inspector (certificate number 113161).  
: CSWIP BGAS Painting Inspector Grade 2.  
: Welding Engineering professional program, AUC.  
: Certified Welding Inspector (CWI), American Welding Society (expired Apr. 2017).  
: ASNT Level II: ultrasonic test – radiographic test – magnetic particles test – dye penetrant liquid test – visual test.  
: Hydraulic systems, Electro-hydraulics and Proportional valves.  
: HVAC & Fire fighting design systems.  
: Trainings at:

- Cairo Inspection Company (CIC): non-destructive examination & inspection services.
- SMG Company for MEP works.
- Egypt Air Company.

- Elsewedy Company.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Oct. 2019 till now  
**Employer** : FERROMETALCO Steel Construction  
**Job title** : Senior Quality Engineer  
**Job Description** :
 

- Preparing/Review ITP according to projects contractors and specifications.
- Preparing and review Non-Destructive Examinations (NDE) procedures, PWHT and pressure testing procedures.
- Determine inspection frequency and NDE scope of work.
- Review welding procedure specifications and welding performance records.
- Review painting procedures.
- Ensure that required quality records and documents are properly prepared and maintained.
- Prepare for company ASME review certificates of authorization (U, U2, S, PP and R).

**Dates** : From Jul. 2018 till Sep. 2019  
**Employer** : APPLUS VELOSI  
**Project** : Fabrication of wind turbine towers, Gulf of Suez wind farm, Egypt  
**Job title** : Senior Quality Engineer  
**Job Description** :
 

- Material Receiving and Document reviewing.
- Follow up on the inspection activities of Cutting, welding & Assembly for material.
- Checking the NDT activities performed by the contractor.
- Checking the final dimension and visual of the products to release for painting.
- Follow up on the painting activities, inspection and Marking of the products required.
- Carrying out NDT tests required by Client when needed.
- Releasing the products for shipping after final inspection and Doc. Review.

**Dates** : From Mar. 2017 till May 2018  
**Employer** : ORASCOM CONSTRUCTION INDUSTRIES  
**Job title** : Senior Quality Engineer  
**Job Description** :
 

- West Damietta Combined Cycle Power Plant:
  - Carrying out inspection activities on thermal insulation and painting.
- Burullus Combined Cycle Power Plant:
  - Reviewing ITPs, WPS, PQRs and NDE procedures.
  - Monitoring welding/fabrication & assembly activities of HRSG (Headers, piping, ducts, stack, damper).
  - Monitoring welding activities of steam turbine piping.
  - Monitoring Carrying out inspection activities on welding preheating, PWHT and NDE.
  - Monitoring hardness test and PMI test.

- Documents check and walk down before witnessing hydro test.

**Dates** : From Jul. 2016 till Mar. 2017  
**Employer** : BUREAU VERITAS  
**Job title** : Quality Engineer  
**Job Description** :

- Monitoring welding activities and laying down subsea pipe line (offshore).
- Monitoring fabrication activities of construction new platform.
- Radiographic Film Interpretation.
- Carry out inspection activities as welding dimension control, hydro test.
- Review ITP and all QC documents in order to release note to be issued/approved.

**Dates** : From Jun. 2015 till Jun. 2016  
**Employer** : DSD FERROMETALCO (Egypt)  
**Job title** : Quality Engineer  
**Job Description** :

- Perform Ultrasonic Examination according to AWS D1.1, ASME BPVC section V & ISO 11666.
- WPS, PQR-ITP revision.
- Inspection on Gamesa wind farm steel towers steel structure, piping.
- Inspection on weldments & dimension check.

**Dates** : From Jun. 2013 till May 2015  
**Employer** : Khalda Petroleum Company (through Quality Control Company)  
**Job title** : Quality Engineer  
**Job Description** :

- Inspection on pipelines & piping.
- Piping fabrication, construction of pipe lines.
- Inspection on weldments.
- WPS, PQR-ITP revision.
- Radiographic Film Interpretation.
- Non-destructive examinations.

**Dates** : From Jan. 2011 till May 2013  
**Employer** : Rexroth Bosch Agency), Egypt  
**Job title** : Maintenance Engineer  
**Job Description** :

- Maintaining and repairing hydraulic systems & hydraulic system components.
- Proceed and interpret the results of performance test of hydraulic system components (pumps, hydraulic motors, valves, hydraulic cylinder, etc.) on the test bench.
- Test, repair & charge hydraulic accumulator with nitrogen gas.
- Assist Maintenance Engineering Manager in monitoring and troubleshooting use of maintenance procedures and maintenance management activities.
- Proceed hydraulic oil analyses.

**Field of experience** :

- About 12 years of continuous employment in the fabrication industries, working as a member of project Quality team. Extensive Experience in Oil / Gas Projects, power plants and direct experience involving Quality

roles on:

- Power Plant Projects.
- Oil & Gas Projects.
- Steel towers of wind turbines.
- Offshore Projects.
- Quality Control:
  - Assist Quality Engineering Manager in monitoring and troubleshooting use of project procedures and project quality management activities.
  - Share Pre-Inspection Meeting's to ensure that the quality requirements and expectations are fully understood and implemented prior to commencement of work activities.
  - Prepare and Review inspection and test plans, Quality control procedures, PWHT procedures, NDT procedures, WPS / PQR and inspection reports.
  - Review of Quality & Inspection plans submitted by Contractors as per Client requirement including release and acceptance certificates of completed works.
  - Auditing raw materials to the relevant certification. Inspection of materials used in the construction of pressure vessels, piping, pipe line, Valves, and structures. Surveillance of QC activities for compliance with the written specifications and procedures.
  - Carry out all the detailed Internal Inspection, plus also the Physical External Inspection for piping, tanks & pressure vessel.
  - Closely monitor site activities to ensure quality of work is in compliance with contract requirements, good construction practice, only approved materials are used, compliance with shop drawings.
  - Verify that required inspections, examinations, and tests of systems, subsystems, or components have been performed and results properly documented .
  - Interpret inspection and test results to determine compliance with design requirements.
  - Conducting welding inspections of piping, Pipe line, Tanks and structural steel.
  - Witnessing of welding procedure and welder performance qualification tests including related mechanical testing.
  - Review repair procedure as per standards if any such warranted based on the inspection. Ensuring quality during the repair/fabrication jobs.
  - Determine inspection frequency and NDT methods for stationery equipment and corroded parts.
  - Interface and coordinate with Non-Destructive Examinations (NDE) sub-contractors, testing Agencies, clients and third-party inspection agencies for production and QC matters and all related inspection activities.
  - Conducting routine surveillance inspections on the activities involving welding, dimensional inspection, grit blasting and painting of Pressure Vessels, Piping and Structures at different stages of fabrication.
  - Ensure that required quality records and documents are properly prepared and maintained.
  - Monitor closeout of deficiencies documented in Non-Conformance Reports, Rejection Notices, Contractor Material Receiving Reports,

etc.

- In-depth practical and technical working knowledge of:
  - Familiar with international codes and standards like ASME, API, AWS, EN, etc.
  - Inspection of raw materials (Pumps, Pipe, Plate, Fittings, valves, steel structural and consumables) and verification of mill certificates, dimensional check & condition of material.
  - Fabrication, installation, erection and inspection of piping system of different materials (CS, Alloy steel & SS).
  - Various welding procedures (SMAW, GMAW, FCAW, SAW and TIG).
  - Steel Structural fabrication, erection, alignment and bolt tightening.
  - Prepare Test packs and line check prior to conduct hydrostatic test.
  - Calibration of various equipment and instruments (pressure gauges, PRV, etc.).
  - Mechanical Testing (tension, Hardness, Bending, Macro, Micro, Impact, PMI and proof load test).
  - Review the applicable paint system compatibility with project specification/data sheet.
  - Review of method statements of painting application.
  - Ensure the readiness of the QA/QC requirements are met before start of painting/coating application.
  - Initiate Inspection requests for clients monitoring inspections.
  - Monitor the weather conditions: air Temperature, Dew Point & Relative Humidity.
  - Inspect WFT, DTF by using the relevant inspection tools.
  - Prepare the inspections reports, initiate when required NCRs, etc.
  - Paint testing (Pull off test, X-Cut, Gloss & color test).
  - Make data analysis to know the root cause for defects or any indications to be controlled.