

Holds a B. Sc. in Mechanical Engineering and has about 19 years hands-on experience in Quality Control/Assurance of Petrochemical and Infrastructure projects, including 8 years working in Oil and Gas Projects, 6 years in Power Station Plants, 2 years in in-service inspection and 4 years in shop inspection. Has experience in welding inspection, piping construction, mechanical installation.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 24/08/1965  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Engineering, Helwan University , 1988  
: Diploma in Mechanical Engineering (Welding), Banha

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

## TRAINING COURSES AND CERTIFICATIONS

: CSWIP 3.1 (welding inspector) certificate  
: Ultrasonic Testing (UT) certificate  
: Radiographic Testing (RT) certificate  
: Magnetic Particle Testing (MT) certificate  
: Dye Penetrant Testing (PT) certificate  
: Welding Technology and Inspection in USA, training course  
: ASME IX Welding and Brazing from AUC, joint course  
: ASME B 31.1 Power Piping Design & Fabrication from AUC, joint course

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2010 till now  
**Employer** : Khalda Petroleum Company (KPC) - Apache  
**Project** : Kalabsha 40000 BOPD OIL Facility Extension

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

- Verification of construction procedures, method statements, ITP, WPS & WQT of sub-contractor. Preparation of quality procedures intended to use at this particular project.
- Ensuring the piping fit up check including dimensional, orientation checks as per the AFC latest revision drawings.
- Supervising piping fabrication and installation.
- Preparing and supervising for piping test package for Hydro test.
- Supervising equipment installation and alignment.
- Supervising steel structure installation like (pipe rack, pipe supports, tanks and vessels).
- Relevant codes used are B 31.3, ASME SEC IX, API 650 and ASME SEC V.

**Dates** : From Mar. 2009 till May 2010

**Employer** : Initec Energia – PGESCO

**Project** : Cairo West Thermal Power Station 2x350MW

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

**Job Description** :

- Develop and implement project specific quality plans.
- Identify non-conformance trends and resolve issues in a robust and a timely fashion.
- Provide quality reports for management review and ensure quality confirms established guidelines.
- Verification of construction procedures, method statements, ITP, WPS & WQT of sub-contractor. Preparation of quality procedures intended to use at this particular project.
- Ensuring the piping fit up check including dimensional, orientation checks as per the AFC latest revision drawings, informing the welders the WPS to be adopted, check whether they are qualified or not, inter pass temperature check, weld parameter check (random), consumable (electrode) check, plant calibration check.
- Verification of weld reports, visual inspection of welds, NDT requesting, review the films, mark up the status of spools in drawings, releasing the spools for painting.
- Relevant codes used are B 31.1, ASME SEC IX, API 650 and ASME SEC V.

**Dates** : From Sep. 2007 till Mar. 2009

**Employer** : ENPPI (Engineering Petroleum Process Industries)

**Project** : Salam Gas Plant Train 3#4 Petrofac, Khalda, Apache

**Job title** : Senior Mechanical Engineer

**Job Description** :

- Adhere to project drawing, specification and construction supervision instruction for all mechanical works.
- Review and approve all method statement and rigging plans for the equipment, prepared by construction team.
- Review and approve the Welding Procedure Specification (WPS) and Procedure Qualification Record (PQR) and qualify the welders according to applied code and specification.
- Monitor and ensure the application of the approved WPS.

- Check and ensure reports related to the correct interpretations and welding NDT.
- Review and approve all post weld heat treatment activities.
- Supervise and inspection of installation pumps, equipment, tanks, pressure vessel and steel structure leveling and alignment.
- Review and approve for all test package for Hydro test.
- Witness and approve for all hydro test and close all punch items.
- Monitor surface preparation and paint application ensuring that the correct paint system has been applied and fire proofing activities, check insulation system and its application.
- Witness all pre-commissioning tests to ensure that all equipment and system have been adequately prepared for a safe start-up.
- Prepare all documentation related to turn over package.

**Dates** : From Jun. 2007 till Sep. 2007  
**Employer** : EMC (Egyptian Maintenance Company)  
**Project** : UGDC, SHUTDOWN, Rashid Petroleum Company  
**Job title** : Senior QC Engineer  
**Job Description** : Carry out “UT” measurement for corrosion monitoring on piping, vessels and tanks.

**Dates** : From Jan. 2007 till Jun. 2007  
**Employer** : Siemens-AG Power Generation  
**Project** : SHUAIBAH IWPP Power Station, SAUDI ARABIA  
**Job title** : Senior Quality Engineer  
**Job Description** :

- Review and approve the quality plan.
- Review and approve WPS &PQR used in workshop and site.
- Witness and approved for all NDT activities in the workshop and the site.
- Approved the welder qualification test according to welding procedure specification.
- Review and verified all material to assure that compliance with project specification.
- Witness and review for all fabrication process in the workshop.
- Review and check for dimensional check.
- Review and approve the packing list delivered to the site.

**Dates** : From Nov. 2006 till Dec. 2006  
**Employer** : EMC (Egyptian Maintenance Company)  
**Project** : Port Said LNG Plant  
**Job title** : Quality Control Engineer  
**Job Description** : Welding Inspection for Cold Box.

**Dates** : From Jan. 2006 till Oct. 2006  
**Employer** : Seagull – NEM  
**Project** : Cairo North Power Station (CEPC) 750MW Combined Cycle Phase 2  
**Job title** : Senior Quality Control Engineer

**Job Description** : 

- Preparation of field assembly and Inspection Test Plan FA-ITP for boiler components.
- Preparation of boiler welding map for steel structure, casing, piping, Bumpers Baffles, Inlet Duct, Outlet Duct, Stack.
- Preparation of welding Matrix for all items.
- Qualification of welders according to AWS D1.1 and ASME codes.
- Welding monitor in site for proper applying of applicable WPS for each part.
- Preparing NDT for all welded joints according to FA ITP and the applicable codes.
- Preparing welding summary and line inspection summary list (LISL).
- Inspection of insulation and panting for casing boiler and piping.

**Dates** : From Jun. 2005 till Dec. 2005

**Employer** : DSD Ferrometalco

**Project** : New Naga Hammadi Barrage and Hydropower Plant

**Job title** : Senior Quality Control Engineer

**Job Description** : 

- Preparation of field assembly and Inspection Test Plan FA-ITP.
- Preparing NDT for all welded joints according to FA ITP and the applicable code.
- Qualification of welders according to AWS D1.1.
- Dimensions check and welding visual inspection.
- Welding monitor in site for proper applying of applicable WPS for each part.
- Final inspection and release all components to the site.

**Dates** : From Aug. 2003 till May 2005

**Employer** : DSD Ferrometalco

**Project** : Cairo North Power Plant 750MW Combined Cycle

**Job title** : Quality Control Engineer

**Job Description** : 

- Preparation FAITP for boiler components.
- Preparation of boiler welding map for steel structure, casing, bumpers baffles, inlet duct, outlet duct, stack and piping.
- Preparation of welding Matrix for all items.
- Qualification of welders according to AWS D1.1 and ASME codes.
- Welding monitor in site for proper applying of applicable WPS for each part.
- Preparing NDT for all welded joints according to FA ITP and the applicable codes.
- Preparing welding summary and line inspection summary list (LISL).
- Inspection of insulation for casing and piping.

**Dates** : From 2002 till 2003

**Project** : Egyptian Tank Plant (E.T.P.)

**Job title** : Senior Quality Engineer

**Job Description** : 

- Visual, Dimensional.
- Witness (PT, MT).
- Review film interpretation.

- Witness Pneumatic test.
- Witness Vacuum test.
- Witness PWHT.
- Witness Hydrostatic test.
- Flow up application of WPS.

**Dates** : From Jun. 2001 till 2002  
**Employer** : Kolaly Engineering  
**Project** : Two Boiler and Water Treatment Plant  
**Job title** : Quality Control Engineer  
**Job Description** :

- Preparation of field assembly inspection Test Plan FA-ITP for boiler components.
- Preparation of boiler welding map for steel structure, side, wall tubes, piping.
- Qualification of welders according to AWS D1.1 and ASME codes.
- Preparing NDT for all welded joints according to FA ITP and the applicable codes.
- Preparing welding summary for boiler components.
- Inspection of installation pumps, equipment, tanks, pressure vessel and steel structure leveling and alignment.

**Dates** : From Dec. 1999 till Jun. 2001  
**Employer** : Kolaly Engineering  
**Project** : Quena Newsprint Paper (QNPC) - Power Boiler, Recovery Boiler  
**Job title** : Quality Control Engineer  
**Job Description** :

- Preparation of field assembly and Test Plan FA-ITP for boilers components.
- Preparation of boiler welding map for steel structure, sidewall tubes, piping.
- Qualification of welders according to AWS D1.1 and ASME codes.
- Preparing welding summary for boiler components preparing NDT for all welded joints according to FA ITP and the applicable codes.
- Check and inspect incoming material (pipes, fitting, sheets, etc.) to ensure it meets the project specification.
- Monitor welder performance and visual inspection of weld and repair of weld according to code and specification.
- Performing inspection, examination test activities to verify that applied according to code.
- Follow up and monitor the construction process from all aspects to ensure performance meet job quality and specification.
- Perform inspection and testing of in-process and completed installations.
- Implement the project quality control procedures, inspections and test plans and construction procedures.
- Handling all RT interpretation, vessels, piping skids fabrication / erection inspection, post weld heat treatment survey and diagram check, hardness survey and evaluate the results, pneumatic and hydrostatic tests.

**Dates** : From 1997 till Dec. 1999  
**Employer** : Kolaly Engineering  
**Project** : Steel Factory  
**Job title** : Quality Control Engineer  
**Job Description** :

- Review welding procedure and approval.
- Supervision of workshop welding for steel structure and tanks.
- Supervision of welder qualification & interpretation their films.
- Supervision of NDT activities.
- Preparing production daily and weekly report.

**Dates** : From 1992 till 1997  
**Project** : Egyptian Tank Plant (E.T.P.)  
**Job title** : Quality Control Engineer / Welding Engineer  
**Job Description** :

- Witness welder qualification test according to welding procedure specification (WPS).
- Inspection and review material condition and certificate before starting the fabrication.
- Monitor and check of all QC activities of welding such as correct preparation, correct pre-weld and correct pre-heat are applied prior to start of the welding process.
- Assuring that all NDE operations and PWHT are performed from all aspect according to code and specifications.
- Carry out quality control activities including inspection, examination and testing.

**Field of experience** :

- Full awareness and implementation of the requirement of quality management.
- Prepare quality control plan according to the specification.
- Experience in using the following Codes & Standards: ASME Sec I, ASME Sec. VIII Div.1, ASME Sec. IX, ASME Sec. II, ASME Sec. V, ASME B31.1, ASME B31.3, AWS D1.1, API 1104, 510, 570, 653.
- Prepare and approve the Welding Procedure (WPS) and Procedure Qualification Record (PQR) and qualify the welder according to the applied code & specification.
- Setting out the N.D.E. procedures and P.W.H.T. according to the applied code & specification.
- Carry out internal inspection for pressure vessels and tanks.
- Review and verify all the relevant materials certification to assure its compliance is based on project specification and applicable standard.
- Supervision of fabrication and erection activities according to codes and specification.
- Inspection of installation pumps, equipment, tanks, pressure vessel and steel structure leveling and alignment.
- Inspection and witness of installation piping / hydro test prepare and review test package.
- Underground piping erection, pressure test and wrapping and Holiday Test.
- Above ground piping pressure testing and reinstatement work.

- Punch listing prior to hydrostatic testing, supervising the H.T. flushing and blowing up.
- Witness all pre-commissioning tests to ensure that all equipment and systems have been adequately prepared for a safe start-up.
- Inspection for all painting, insulation and fire proofing.
- Solving and close the problems of punch list with consulting team.
- Prepare all documentation related to turn over package.