

Holds a B. Sc. in Mechanical Design & Production Engineering and has more than 14 years hands-on experience working in Welding and Quality Control.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 19/03/1978  
Gender : Male  
Marital Status : Married  
Residence : Helwan, Cairo

## **EDUCATION**

: B. Sc. in Mechanical Design & Production Engineering, Cairo University, 2002

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD 2D & 3D

## **TRAINING COURSES AND CERTIFICATIONS**

: Qualified CSWIP 3.1 Welding Inspector (CERT. NO. 55086) CSWIP-WI-6-92, APRIL 2021.  
: Qualified NDT Level (II) Inspector in Radiographic Testing.  
: Qualified NDT Level (II) Inspector in Ultrasonic Testing.  
: Qualified NDT Level (II) Inspector in Magnetic particle Testing.  
: Qualified NDT Level (II) Inspector in Liquid penetrant Testing.  
: ISO 9001:2015 Auditor/Lead Auditor, IRCA Registered.  
: Problem solving and decision making.  
: Presentation skills.  
: Communication skills.  
: Time management.  
: Finance for non-finance.  
: Junior executive program.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2015 till now  
**Employer** : PSC (Project Services Company)  
**Project** : Beni Suef Power Plant 4800MW (Gas Turbine, HRSG Module 30)  
**Job title** : Site QA/QC Manager

**Dates** : From Sep. 2014 till Mar. 2015  
**Employer** : ThyssenKrupp Industrial Solution (Uhde)  
**Project** : UREA & AMMONIA FERTILIZER PROJECT (E-AGRIUM) MOPCO 1, 2  
**Job title** : QA/QC Engineer  
**Job Description** :

- Elaborating and coordinating the welding specifications, and codes/standards.
- Coordination with the field subcontractors for all welding procedure specifications and procedures qualifications reports.
- Review effects of welding defects and take remedial actions.
- Coordination with the field subcontractors and the Third Party NDT Inspection Company.
- Review of the radiographic film and all NDT reports on a daily basis.
- Auditing of the approved Third Party NDT Inspection Company.
- Reviewing the inspection and testing methods and procedures for Radiographic, Dye Penetrant, Magnetic Particle, and Ultrasonic inspections.
- Witnessing of welder qualifications testing and procedures qualification testing.
- Witnessing any remedial repair welding.
- Reviewing of the welding summery reports.
- Checking the hydrostatic test packages for NDT compliance prior to testing.
- Advising the site subcontractors with regards to welding and testing.
- Monitor any Post Weld Heat Treatment on site and review the completed test reporting.
- Selection of welds for non-destructive testing.
- Recording and listing of defective welds.
- Monitor the control and issue of welding electrodes.
- Control the QC site welding inspectors.
- Actively monitor site radiation safety.
- Review day to day applications for Gamma-raying of welds.
- Coordinate the issue of nonconformance reports through the site QC manager.
- Complete site quality instructions to sub-contractors when required.
- Type of material used is X10CrMoVNb9-1 (A335 GR P91), X20CrMoV12-1, 10CrMo 9-10, 13CrMo 4-5, A312 GR TP304L, 316L, 347, Nikle base alloy800H, Inconel 600.

**Dates** : From Jun. 2013 till Aug. 2014  
**Employer** : MEGA FOR CONSTRUCTION & INDUSTRIES  
**Project** : GIZA NORTH POWER STATION 1500MW (COMBINED CYCLE), CP-118

- Job title** : Senior QA/QC Engineer
- Job Description** :
- Study Client Technical Specification (Drawing, Procedure, Specification, Standard/Code).
  - Ensuring all materials used and work performed are as per specifications.
  - Preparation of ITP & WPS.
  - Conformation of materials & Welding consumables with drawing and codes.
  - Qualification of Welders.
  - Stage wise inspection of welding (fit up, root pass visual & NDT, Final weld Visual & NDT).
  - Inspection of Heat treatment cycle using WPS, Procedures & codes.
  - Preparation of Hydro test Package & Final Punch Listing.
  - Check all tools are used in installation alignment are calibrated.
  - Check foundation work(pocket dimension, anchor bolt dimension, chipping, ...) is according to drawing after that install base plate if required, set the level acc. to drawing after that release for initial grout and after final setting we release for final grout.
  - Check turbine is landed on its axis and center line and install load coupling.
  - Make sure the level of turbine is adjusted according to drawing by calibrated mechanical level.
  - Follow up generator mechanical work such as end shield installation & contact check.
  - Make final bolt tighten by the tool required to the required torque accord. to specifications.
  - Check bearing clearance according to drawing requirement.
  - Check coupling bolt stretch data.
  - Check pre. & final alignment between generator and turbine and for all project pump.
  - Follow up on base piping erection and welding process.
  - Prepare test back for the on base piping lines according to GE specification.
- Dates** : From Apr. 2012 till May 2013
- Employer** : MEGA FOR CONSTRUCTION & INDUSTRIES
- Project** : BANHA POWER STATION 750MW (COMBINED CYCLE), CP-101
- Job title** : Senior QA/QC Engineer
- Job Description** :
- Study Client Technical Specification (Drawing, Procedure, Specification, Standard/Code).
  - Ensuring all materials used and work performed are as per specifications.
  - Preparation of ITP & WPS.
  - Conformation of materials & Welding consumables with drawing and codes.
  - Qualification of Welders.
  - Stage wise inspection of welding (fit up, root pass visual & NDT, Final weld Visual & NDT).
  - Inspection of Heat treatment cycle using WPS, Procedures & codes.
  - Preparation of Hydro test Package & Final Punch Listing.

- Check all tools are used in installation alignment are calibrated.
- Check foundation work(pocket dimension, anchor bolt dimension, chipping, ...) is according to drawing after that install base plate if required, set the level acc. to drawing after that release for initial grout and after final setting we release for final grout.
- Check turbine is landed on its axis and center line and install load coupling.
- Make sure the level of turbine is adjusted according to drawing by calibrated mechanical level.
- Follow up generator mechanical work such as end shield installation & contact check.
- Make final bolt tighten by the tool required to the required torque accord. to specifications.
- Check bearing clearance according to drawing requirement.
- Check coupling bolt stretch data.
- Check pre. & final alignment between generator and turbine and for all project pump.
- Follow up on base piping erection and welding process.
- Prepare test back for the on base piping lines according to GE specification.

<b>Dates</b>	:	From Oct. 2010 till Mar. 2012
<b>Employer</b>	:	I.E.M.S.A Company
<b>Project</b>	:	UREA & AMMONIA FERTILIZER PROJECT (E-AGRIUM)
<b>Job title</b>	:	QA/QC Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Area of responsibility: Primary &amp; Secondary Reformer &amp; piping.</li> <li>• Elaborating and coordinating the welding specifications, and codes/standards.</li> <li>• Coordination with the field subcontractors for all welding procedure specifications and procedures qualifications reports.</li> <li>• Review effects of welding defects and take remedial actions.</li> <li>• Review of the radiographic film and all NDT reports on a daily basis.</li> <li>• Auditing of the approved Third Party NDT Inspection Company.</li> <li>• Reviewing the inspection and testing methods and procedures for Radiographic, Dye Penetrant, Magnetic Particle, and Ultrasonic inspections.</li> <li>• Witnessing of welder qualifications testing and procedures qualification testing.</li> <li>• Witnessing any remedial repair welding.</li> <li>• Reviewing of the welding summery reports.</li> <li>• Checking the hydrostatic test packages for NDT compliance prior to testing.</li> <li>• Advising the site subcontractors with regards to welding and testing.</li> <li>• Monitor any Post Weld Heat Treatment on site and review the completed test reporting.</li> <li>• Selection of welds for non-destructive testing.</li> <li>• Recording and listing of defective welds.</li> <li>• Monitor the control and issue of welding electrodes.</li> <li>• Control the QC site welding inspectors.</li> <li>• Actively monitor site radiation safety.</li> </ul>

- Review day to day applications for x-raying of welds.
- Coordinate the issue of nonconformance reports through the site QC manager.

**Dates** : From Apr. 2010 till Sep. 2010  
**Employer** : Energya Steel Fabrication  
**Project** : Wady El Nile Cement Company (WNCC)  
**Job title** : QC Engineer  
**Job Description** :

- Review and verified all material to assure the compliance with project specification.
- Review welding procedure and welder qualification and interpreted radiographic results.
- Site control for mechanical and welding activities as code, standard and contractor.
- Carry out quality control activities including inspection, examination and testing to verify the quality of the installations and ensure construction operations are in according to project specifications.
- Performing all activities related to pneumatic and hydrostatic test.
- Solving the problems of punch list with consulting team.
- Prepare all documentation related to turn over test package.
- Check the installation of mechanical equipment according to drawing and check coupling alignment and make the reports required.
- Check the alignment of conveyor such as (belt, screw, apron feeder, drag chain).
- Check the alignment of base plate for any equipment before cast initial grout.
- Check steel structure installation (axis- verticality-tightening) according to drawing.

**Dates** : From Dec. 2009 till Mar. 2010  
**Employer** : Energya Steel Fabrication  
**Project** : EL-ATF POWER STATION 2x350MW  
**Job title** : QC Engineer  
**Job Description** :

- Area of responsibility: Condenser & related lines (CP-106).
- Review and verified all material to assure the compliance with project specification.
- Review welding procedure and welder qualification and interpreted radiographic results.
- Site control for mechanical and welding activities as code, standard and contractor.
- Follow up and verified the preheat & PWHT operation.
- Carry out quality control activities including inspection, examination and testing to verify the quality of the installations and ensure construction operations are in according to project specifications.
- Performing all activities related to pneumatic and hydrostatic test.
- Solving the problems of punch list with consulting team.
- Prepare all documentation related to turn over test package.
- Type of material who I contact with it X10CrMoVn9-1 (A335 GR P91), 10CrMo 9-10, 13CrMo 4-5.

- With respect to X10 (1"only) Welding (drain from HP, IP, LP Turbine).

**Dates** : From Aug. 2008 till Nov. 2009

**Employer** : Misr for Electrical & Mechanical Projects

**Project** : El-Kureimat III Power Station 1x750MW (combined cycle)

**Job title** : QC Engineer

**Job Description** :

- Area of responsibility: Contract 105 (Critical Piping).
- Verify that the quality related site activities are in accordance with the applicable codes and standards.
- To review Client Technical Specification (Drawing, Procedure, Specification, Standard/Code).
- Coordinate with the site construction manager on all quality issues Coordinate and chair the QA/QC site weekly meetings with the projects subcontractors QC personnel.
- Ensure the safety is adhered to at site.
- Witness welder qualification test according to WPS.
- Inspection and review material condition and certificate before start the fabrication.
- Monitor and check all QC activities of welding such as correct preparation, correct pre-weld and correct pre-heat applied prior to start welding process.
- Assuring that all NDE operation & PWHT performed from all aspect according to code.
- Preparing test package for release hydro test.
- Implement the QA/QC management system at site.
- Distribute relevant QA/QC documentation to site subcontractors.
- Participate in the site internal and external site audits.
- Coordinate all the quality site inspections through the site QC inspectors.
- Ensure all quality control documentation is compiled and completed for as-built hand over through the QC turnover engineer.
- Control all nonconformance reports and undertake remedial action.
- Complete site quality control instructions and action remedial responses.
- Review the customers specification and undertake relevant training to the site QC inspector.
- Monitor the implementation of the approved site QC Plan.
- Complete and coordinate the approval of the sites QC technical submittals to the customer.
- Type of material who I contact with it X10CrMoVNb9-1 (A335 GR P91), 10CrMo 9-10 (A335 GR P22), 13CrMo 4-5 (A335 GR P11), A312 GR TP304, 316, 347.
- With respect to X10 Welding (HP Steam line, Hot reheat line).

**Dates** : From Sep. 2006 till Jul. 2008

**Employer** : Misr for Electrical & Mechanical Projects

**Project** : El-Kureimat II Power Station 1x750MW (combined cycle)

**Job title** : QC Engineer

**Job Description** :

- Area of responsibility: Contract 105 (Critical Piping).
- To review Client Technical Specification (Drawing, Procedure, Specification, Standard/Code).

- To establish the Project Quality Plan together with Project team according to Client Technical Specification, applicable Standard/ Code & Procedure/Work Instruction.
- Implement the project quality control procedures, inspection and test plans, and construction procedure.
- To provide the related Quality documents which include but not limited to Welding Procedure Specification, Inspection and Test Procedure, Heat Treatment Procedure that will be used to execute the Project.
- Assure that all welding, NDE and heat treatment operation are performed in accordance with the applicable codes.
- Performing surveillance activities to monitor site quality control program implementation.
- Carry out quality control activities including inspection, examination and testing to verify the quality of the installations and ensure construction operations are in according to project specifications.
- To prepare, establish, and implement Internal Quality Audit to success the TMS audit and ISO 9001 surveillance.
- To send the Quality Report to QC Manager consisting of monthly NCR, monthly Calibration Status Log, monthly Welder Status Log, and weekly inspection and test status report.
- Type of material who I contact with it X10CrMoVNb9-1 (A335 GR P91), 10CrMo 9-10 (A335 GR P22), 13CrMo 4-5 (A335 GR P11), A312 GR TP304, 316, 347.
- With respect to X10 Welding (HP Steam line, Hot reheat line).

<b>Dates</b>	:	From Jul. 2003 till Aug. 2006
<b>Employer</b>	:	Kandil Industries
<b>Job title</b>	:	QC Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Execute the specific inspections on materials, equipment and construction /installation activities on site.</li> <li>• Issue the relevant Quality Records and, when necessary, write and send to Quality Control-QC Supervisor non- conformances reports, verifying conformity of the work to specified Quality Requirements and ensuring that the inspections and controls are carried out and documented in accordance with the Quality.</li> <li>• Control welding parameters and consumables during installation/construction activities, supervising welding operations.</li> <li>• Control procedures and welders qualifications.</li> <li>• Check the availability and suitability of the filler material and of the preheating, welding, heat treatment, the bevels, the extent of the repairs made by the various welders and taking any corrective actions, the heat treatment record diagrams.</li> <li>• Check and record pipe sequence.</li> <li>• Perform Pipes line up check, ensuring that all installed pipe/fittings are to the correct specification and that the material is in accordance with the specified Material Traceability requirements.</li> <li>• Carry out visual inspections.</li> <li>• Verify collaboration/linearity.</li> <li>• Monitor defect removal by Magnetic Permeability Inspection (MPI).</li> <li>• Accept Non Destructive Test-NDT inspection.</li> <li>• Check readiness of NDT equipments.</li> </ul>

- Handle all welding technical queries and investigating.
- Ensure that all Welding, Heat Treatment, any hardness testing, Inspection and Non-destructive testing are in compliance with the relevant codes and specifications.
- Orderly collect and manage/check documents certifying tests, controls and inspections documents, ensuring that all welding and testing related records form a complete package and reflect the 'As Built'.
- Ensure the correct implementation of the approved Inspection Test Plan by Construction Contractor.
- Examine visually work in progress and effectively supervise repair procedures.
- Review welding requirements for field erected structures, vessels, tanks, boilers and other process plants.

**Experience in using the following Codes & Standards:**

ASME II A, B, C, ASME V, ASME I, ASME IX, ASME B31.1, ASME B31.3, EN 287-1, EN ISO 15614-1, AWS D1.1.