

100037-MEC-14CGQVWX-E-1988
Senior Mechanical Engineer

Holds a B. Sc. in Mechanical Engineering and a Diploma in Mechanical Engineering (Welding). Has about 25 years hands-on experience working as Senior QA/QC Professional with significant management experience and a highly developed working knowledge in manufacturing and construction environments gained in Oil & Gas, Petrochemical and Power Plants construction.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/08/1965
Gender : Male
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

: Specialist Occupational Safety and Health Course.
: ASME B 31.1 Power Piping Design & Fabrication course from AUC (2009).
: ASME IX Welding and Brazing course from AUC (2009).
: CSWIP 3.1 (Welding Inspector) certificate.
: Radiographic Testing (RT) certificate.
: Ultrasonic Testing (UT) certificate.
: Magnetic Particle Testing (MT) certificate.
: Dye Penetrant Testing (PT) certificate.
: Welding Technology and Inspection training course in USA (1994).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2014 till now
Project : (KAIA) King Abdul-Aziz International Airport Development Project, Jeddah
Job title : Senior Mechanical Engineer
Job Description :

- Supervise all mechanical work under his scope with his colleagues to ensure that the all mechanical works are in compliance with approved procedure and Project specification and HSE requirement.
- Monitoring contractor and Sub-Contractor's progress to ensure that site requirement are satisfied & reporting to RE.
- Manage and advice his team to achieve the project target on time schedule with respect project specification.
- Review and approval for all related documents Procedures, Method Statements...etc.
- Participate in review all related commissioning procedures for the project.

Dates : From Jan. 2012 till Oct. 2014
Employer : GUPCO/BP Egypt
Project : Off-shore Rehab Project, Ras Shokier – Red Sea
Job title : QA/QC Manager
Job Description :

- Direct the activities of a multi-discipline construction quality control organization overseeing quality control and inspection activities of assigned quality control engineering staff.
- Develop and recommend the quality control organization for approval by the Site Manager (or Project Field Engineer) and prepares employee requisitions.
- Develop, administer and implement project multi-discipline quality control program and procedures.
- Coordinate the activities of quality control engineers and interface with other construction departments to ensure that construction operations are in compliance with the contract and project specifications and the established quality control criteria.
- Participate in major contract discussions and negotiations relating to quality control activities.
- Provide guidance and assistance to all levels of the project organization on construction quality control programs.
- Responsible for development and administration of the construction quality control inspection program.
- Review subcontractor documents for compliance to project quality control requirements.
- Administer surveillance inspection program over subcontractors to ensure conformity to project specifications and standards.
- Administer quality control certification and training programs. Perform annual performance reviews of the construction quality control staff.
- Perform inspections and documents acceptance of construction activities and installations.
- Develop and administer the project nonconforming and deficient items program.

Dates : From Jan. 2012 till Dec. 2012
Employer : SAFER EXPLORATION AND PRODUCTION OPERATION CO. (SEPOC)
Projects : In Marib – YEMEN:

- LPG Project
- 16" Raydan Gas Pipeline 42 km
- 4" KPU – Alrajaa Gas pipeline 32 km

Job title : QA/QC Team Lead
Job Description :

- Review and approve subcontractor documents for compliance with total specifications and International standards.
- Supervision field erection of piping, pipeline, equipment's and structures per approved drawings.
- Review the Tie-in Dossier and final comment prior to final approval.
- Response Site Engineering queries and Technical queries submitted by contractor .final review of test package which is prepared by subcontractor and approved.
- Share meeting with subcontractors and discuss issues related to PIPING & QA/ QC and enforcing the implementation of raised memos.
- Preparation of Procedures, Method statements, ITP, WPS & WQT.
- Check and inspect in incoming material (MIR), consumables (electrode).
- In site:
 - Inspection of Pipeline preparation fit up for welding random check on pipe bevels, inter pass temperature check, and weld parameter check.
 - Visual inspection on finished welds, welder ID, NDT requesting, RT interpretation, UT inspection.
 - Follow up NDT reports, giving clearance to pigging separated sections and preparation for hydro test.
 - Preparation test package and supervision for hydro test.
 - Supervision and witness for hydro test and release field joint for coating.

Dates : From May 2010 till Dec. 2011
Employer : Khalda Petroleum Company (KPC) – Apache
Project : Kalabsha 55000 BOPD OIL Facility Extension, West Desert – Egypt
Job title : Senior Mechanical Piping Engineer
Job Description :

- Ensure the Contractors schedule and sub-contractors schedule is fully aligned with the overall project schedule and to highlight any potential deviations in a timely fashion.
- Ensure the project objectives are achieved and are in accordance with the Project General Specification's requirements.
- Ensure that all required construction contractor documentation (e.g. work permits, as-built drawings, work procedures, etc.) is completed and maintained in accordance with the procedures.
- Review of subcontractors quality plans and procedures, method statement and ensure construction Procedures, ITP, WPS & WQT of subcontractor.
- Preparation of Quality procedures intended to use at this particular project.
- Incoming Material Inspection and Identification.

- Ensuring the piping fit up check including dimensional, orientation checks as per the AFC latest revision drawings.
- Construction supervision and inspection of piping work at site. The work involving is fabrication, installation and testing piping, erection day to day.
- Monitoring & inspection of fabrication & erection activity of piping (Carbon steel Stainless steel, Duplex, GRE piping) and Structural Works.
- Supervising Equipment installation and alignment.
- Preparing and supervising for piping test package for Hydro test.
- Relevant codes used are B 31.3, ASME SEC IX, API 650, ASME VIII 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 Jul. 2007 till Mar. 2009
Employer : ENPPI (Engineering Petroleum Process Industries)
Project : Salam Gas Plant Train # 3, 4
Job title : Senior Mechanical Piping Engineer
Job Description :

- Adhere to project drawing, specification and construction supervision instruction for all mechanical works.
- Review and approve contractor documents for compliance with Project specifications and International standards.
- Review and approve all method statement and rigging plans for the equipment, prepared by construction team.
- Supervise field erection of piping, pipeline, equipment's and structures per approved drawings.
- Supervise and inspection of installation pumps, equipment, tanks, pressure vessel and steel structure leveling and alignment.

- Ensure compliance of works with applicable codes, standards, contracts, specifications through stable examination/testing.
- Share meeting with subcontractors and discuss issues related to piping & QA/ QC and enforcing the implementation of raised memos.
- Review the Tie-in Dossier and final comment prior to final approval.
- Final review of test package which is prepared by subcontractor and approved.
- Static equipment (vessel, column, Heat exchanger, Furnace,) internal cleaning & inspection and final box up.
- 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 : Shutdown for Replacement Cold box (Port Said LNG Plant)
Job title : Senior QA/QC Engineer
Job Description :

- S/D (shut down) for replacement for cold box (E1/E3) and all connection piping.
- Review and approve the welding procedure for the cold box.
- Inspection of the welded joints.
- Carry out Internal visual inspection and wall thickness measurements for static equipment's during total plant S/D.
- Carry out external wall thickness survey for the insulated piping.

Dates : From Jan. 2007 till Jun. 2007
Employer : Siemens-AG Power Generation
Project : SHUAIBAH IWPP Power Station – KSA
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 QA/QC Engineer
- Job Description** :
- Preparation and Qualification of WPS & PQR & WQT of Welders.
 - Supervise Welder Performance, Fit-up Check.
 - Revision the Fabrication at Work Shop and sites with the Isometric Drawing & Dimension Check.
 - Check the Welding Process Before, during and After Welding, check all Welding Parameters to Conform to W.P.S.
 - Assess the performance of the welder and review the repair percentage for each welder.
 - Witness and monitor contractor / subcontractor site surveillance QA/QC activities.
 - Verifying that fabrication & erection adheres the approved procedures.
 - Supervise all NDT tests (MPI, DPT UT and Radiographic Film Interpretation).
 - Supervise all dimension checks (verticality and horizontality and level).
 - Report to the lead welding/piping inspector and prepares weekly site report highlighting weekly accomplishments and issues that affect product quality.
 - Review and assess contractor / subcontractor QA/QC Plans and procedures including test/inspection results.
 - Revision Hydro-Test Procedure, Prepare Test Packages Release for Hydro-Test, Witness at the hydro test and Reporting to the Client.
- Dates** : From Aug. 2003 till Dec. 2005
- Employer** : DSD Ferrometalco
- Projects** :
- Ammonia / Urea Project Helwan
 - Ammonia / Urea Project ALEX-FERT
 - New Naga Hammadi Barrage and Hydropower Plant
 - Cairo North Power Station Phase 1 (2x350MW)
- Job title** : Quality Control Engineer
- Job Description** :
- Preparation of Welding Procedure Specification (WPS) & Procedure Qualification Record (PQR) according to specs & codes such as AWS D1.1. ASME IX.
 - Check and inspect incoming material (pipes, fitting, sheets, etc) to ensure that meets project specification.
 - Monitor welder performance and visual inspection of weld and repair of weld according to code and specification.
 - Supervising NDT Technicians and visual inspectors (dimension, level check and monitor welding consumable materials, fit-up check, alignment and visual inspection (before, during and after welding)).
 - Interpretation of NDT Results and preparation of reports.
 - Perform and supervise post weld heat treatment according to applied specifications.

- Performing inspection, examination, test activities to verify that applied according to code.
- Follow up and monitor the construction process from all aspect to ensure performance meet Job quality and design requirement.
- Implement the project quality control procedures, inspections and test plans, and construction procedures.
- Responsible for final acceptance and certification that the requirements of the specification have been met.

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 – SOPC (Suez Oil Process Co.)
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 : Qena Newsprint Paper (QNPC) – Power Boiler, Recovery Boiler
Job title : Welding Engineer
Job Description :

- Preparation of ITP for boilers Components and turbine.
- Preparation of boiler welding map for Sidewall tubes, piping internal and external pipes.
- Qualification of welders according to ASME Codes.
- Preparing welding summary for Boiler components preparing NDT for all welded joints according to the applied codes and specification.
- 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.

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

- Review quality control documentation as per quality inspection procedure.
- Preparation of WPS, PQR & WPQR and ITP.
- ITP (surveillance, witness and mandatory inspection and record review).
- To ensure related activities are carried out in accordance with project specification.
- Welder Qualification Tests as per Codes, Standards & procedure.
- Preparation of welding inspection summary.
- Piping Inspection.
- Inspection of joints fit up, alignment and dimensional accuracy as per drawing Requirements.
- Review of NDE test records and check compliance with agreed procedures and acceptability of defects.
- Inspection of material & consumables.
- Painting inspection.
- Hardness Testing.
- Maintaining welding inspection/NDT reports and record tracking.
- Experience of monitoring welding processes SMAW, GTAW, GMAW, SAW.
- Verification & Preparation of Hydro test packages.
- Monitoring welding activities for materials almost material specially P1, P4 (P11), P5A (P22), P5B (P9, P91).
- Preparation of Weekly report for Weld production, NDT Completion.

Dates : From 1992 till 1997
Project : Egyptian Tank Plant (E.T.P.) – Factory 200
Job title : Quality Control Engineer / Welding Engineer
Job Description :

- Witnessing procedure and performance qualification as per the applicable code and standard.
- Monitoring the welding parameters of different process (GTAW, SMAW and GMAW) in accordance with approved WPS.
- Ensure the welders are performing with respect to the approved WPS.
- Inspection of materials, Welding consumables and storage.
- Preparing welding surveillance reports as per WPS.
- Ensure the fit up and welding activities are carried out in accordance with applicable codes and standards.
- Visual inspection of welds and follow up of NDT requirements. Witnessing MPI, DPT, UT tests.
- Review if isometric drawing and isometric control sheets prior to testing.
- QC clearance and release of test packages for pressure test.
- Coordination with client inspectors during inspection and witnessing of pressure test.

- Field of experience** :
- Experience ranges from the fabrication, erection, line checking, Pressure testing, Reinstatement Pre-commissioning and Commissioning of various process equipment, piping systems etc. and coordinating with various departments including Quality control, field engineering, Planning, fabrication and Erection site erection crew.
 - Plan & supervise the construction functions. Ensure the proper completion of the work on schedule with approved drawings, specifications, quality limitations. Monitor subcontractors work to ensure proper compliance with all technical aspects.
 - Managing Construction Piping & Line checking department of the projects for the company with the requirements of the client, incorporating operating considerations, cost in relation to performance, specifications and warranties. Well versed with Construction activities like, Gas Turbine & Boiler, Compressor, Exchanger, Column, Vessel & Cryogenic Piping & Supports, Piping fabrication and erection including Process piping, Inlet facilities, pig receiver Slug catcher, LNG store tank steel structure, cross country piping, fabrication & erection inspection., line checking, test package preparation, Hydro testing, Punch list item & Mechanical Completion, pre-com & Commissioning Stages.
 - Knowledge and understanding of QA / QC processes, management and operations in an extensive range of environments. Covered all site activities from Pipeline, Piping, Mechanical, Steel Structures, Tanks, Equipment's.
 - Conversant with the following codes and standards: ASME Sec I, ASME Sec. VIII Div.1, ASME Sec. IX, ASME Sec. II, ASME Sec. V, ASME B31.1, ASME B31.3, B31.4, B31.8, AWS D1.1, API 1104, API 510, API 570, API 653 and API 650.
 - Prepare quality control plan according to the specification. Procedure Method of Statements.
 - 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 supervision of installation Piping / Pipeline / hydro test prepare and review test package.
 - Underground piping erection, pressure test, and wrapping and Holiday Test.
 - 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 starter-up.
 - Inspection for all Painting, Coating, Insulation and fire proofing.
 - Solving and close the problems of punch list with consulting team.
 - Prepare all documentation related to turn over package.

- Key experiences:
 - QA/QC Mechanical Engineer.
 - Piping and Pipeline Construction.
 - Welding Inspection.
 - Mechanical Installation.