

101110-MEC-145QWX-E-2001

Senior QA/QC Mechanical / Piping / Welding & NDT Engineer

Holds a B. Sc. in Engineering and has over 23 years' experience working in QA/QC (Mechanical / Piping / Welding / Static & NDT) at several projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 18/02/1979
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Engineering, Alexandria University, 2001

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

- : Authorized and Certified welding inspector (CSWIP 3.1) certificate No. 387110.
- : NDT level II – 5 Methods according to ASNT SNT - TC - 1A:
 - Radiographic test RT.
 - Liquid Penetrant test PT.
 - Visual test VT.
 - Ultrasonic test UT.
 - Magnetic particle test MT.
- : AUTOCAD 2004 (2D)
- : Fire-fighting training course approved from ThyssenKrupp Uhde.
- : Industrial Safety training course, approved from BECHTEL.
- : Training Course on Quality Principles (ISO 9001:2004), approved from TARGET for systems, Quality & Environment.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Jun. 2023 till Aug. 2023
Employer	:	ERC
Project	:	Shutdown in ERC – TAR Project
Job title	:	Senior QA/QC Mechanical / Piping / Welding & NDT Engineer
Dates	:	From Nov. 2021 till Jun. 2023
Employer	:	MIDOR
Project	:	MIDOR Expansion Project
Job title	:	Senior QA/QC Mechanical / Piping / Welding & NDT Engineer
Dates	:	From Nov. 2020 till Oct. 2021
Employer	:	TÜV SÜD, Egypt
Project	:	EL ARABY GROUP Menoufia Factory Air Receiver (The Inspection of Pressure Vessels and Related Piping)
Job title	:	Third Party / Client Representative Authorized Inspector
Dates	:	From Nov. 2019 till Oct. 2020
Employer	:	TÜV NORD, Egypt
Project	:	Maritime Administration Workshops, Maadiah (The Fabrication of MIDOR Expansion Project Piping)
Job title	:	Third Party / Client Representative Authorized Inspector
Dates	:	From Nov. 2018 till Oct. 2019
Employer	:	Sinoma International Engineering Co. Ltd
Project	:	The Construction of ARAMCO KSA Oil Storage Tanks and Related Piping (Ra's Shokar, El Bahr El Ahmar, Egypt)
Job title	:	QA/QC Manager (Mechanical / Piping / Welding & NDT)
Dates	:	From Oct. 2016 till Oct. 2018
Employer	:	EGYPTROL , GE Energy Subcontractor
Projects	:	• New Assiut Combined Cycle Add-on Power Plant 2x250MW • Assiut Power Station 1000MW
Job title	:	Senior QA/QC Mechanical / Piping / Welding & NDT Engineer
Job Description	:	• Prepare and reviewed project procedures and project quality control plan to compliance with codes and project specifications. • Assurance that the QA policies procedures and instructions are properly implemented. • Identify within project the necessary quality activity. • Monitoring and audits during the various phases of procurement and construction. • Resolution of non-conformities product on site. • Interpreted and reviewed all NDE reports against codes. • Witnessed to qualified welders tested in accordance applicable codes. • Inspection of pumps and equipment's leveling and alignment.

- Inspection and witnessed to piping /PL Hydro test and reviewed test packages.
- Reviewed and closed pre-punch and post-punch list and final documents.
- Inspection and reviewed materials certificates against codes and project specifications.

Dates : From Aug. 2015 till Sep. 2016
Employer : Orascom Construction
Project : El-Burullus 4800MW Combined Cycle Power Plant (The Construction of Gas Turbine and Steam Turbine, Generator, HRSG, Diverter, Air Intake, Stack, Piping Systems, Piping Skids, Pump Station and Tanks)
Job title : Senior QA/QC Mechanical / Piping / Welding & NDT Engineer

Dates : From May 2014 till Jul. 2015
Employer : PETROJET
Project : Petrochemical (SIDPEC) Project
Job title : QA/QC Manager (Mechanical / Piping / Welding & NDT)

Dates : From Feb. 2013 till Mar. 2014
Employer : GUPCO (Gulf of Suez Petroleum Company)
Projects : Onshore & Offshore Projects
Job title : Senior QA/QC Mechanical / Piping / Welding & NDT Engineer
Job Description :

- Responsible for establishing documentation system.
- Following the company quality system (procedures, quality control plan, forms, drawings, work instructions, etc.).
- Follow up the daily activities on site and to assure that the correct are applied and recording of data in daily base.
- Review qualification and certification for personnel and equipments.
- Organize NDT activities according to the approved detailed request.
- Follow up NDT results and recording of data in daily base.
- Submit the weekly summary to the head of QC department including all NCRs, repairs and NDT reports.
- Responsible for preparing the final documents and hand over with the owner.
- Inspect all received materials.
- Check that submit re-calibration request list and inspection measurement and test measuring equipment.
- Review & close pre-punch and post-punch list and final documents.
- Inspection and witnessed to piping / pipelines Hydro test and reviewed test package.

Dates : From Feb. 2012 till Jan. 2013
Employer : Bureau Veritas Group
Project : ELNG (Egyptian Liquefied Natural Gas – Idku (Extention Projects)
Job title : Senior QA/QC Mechanical / Piping / Welding & NDT Engineer (Third Party Inspector)

Job Description :

- Prepare and reviewed project procedures and project quality control plan to compliance with codes and project specifications.
- Assurance that the QA policies procedures and instructions are properly implemented.
- Identify within project the necessary quality activity.
- Monitoring and audits during the various phases of procurement and construction.
- Resolution of non-conformities product on site.
- Interpreted and reviewed all NDE reports against codes.
- Witnessed to qualified welders tested in accordance applicable codes.
- Inspection of pumps and equipment's leveling and alignment.
- Inspection and witnessed to piping / PL Hydro test and reviewed test packages.
- Reviewed and closed pre-punch and post-punch list & final documents.
- Inspection and reviewed materials certificates against codes and project specifications.

Dates : From Feb. 2010 till Jan. 2012

Employer : DSD Ferrometalco

Project : Abu Qir Thermal Power Plant
(2x650MW Gas / Oil Fired Units (Boilers No. 6 & 7))

Job title : Senior QA/QC Mechanical / Piping / Welding & NDT Engineer

Job Description : Responsible for boiler activities:

- Responsible for establishing documentation system.
- Following the company quality system (procedures, quality control plan, forms, drawings, work instructions, etc.).
- Follow up the daily activities on site and to assure that the correct are applied and recording of data in daily base.
- Review qualification and certification for personnel and equipment.
- Organize NDT activities according to the approved detailed request.
- Follow up NDT results and recording of data in daily base.
- Submit the weekly summary to the head of QC department including all NCRs, repairs and NDT reports.
- Responsible for preparing the final documents and hand over with the main contractor.
- Inspect all received materials.
- Check that submit recalibration request list and inspection measurement and test measuring equipment.
- Review & closed pre-punch and post-punch list and final documents.
- Inspection and witness to hydro test and review test packages.
- Inspection and witness to Boiler Chemical Cleaning.
- Inspection and witness to Boiler Steam Blowing system.
- Follow up and inspection Reinstatement of boiler components after steam blowing.

Dates : From Jan. 2009 till Jan. 2010

Employer : Techint

Project : Methanol Plant Damietta 1 Project

Job title : Senior QA/QC Mechanical / Piping / Welding & NDT Engineer

Job Description :

- Prepare and review project procedures and project quality control plan to compliance with codes and project specifications.
- Assurance that the QA policies procedures and instructions are properly implemented.
- Identify within project the necessary quality activity.
- Monitoring and audit during the various phases of procurement and construction.
- Resolution of non-conformities product on site.
- Interpret and review all NDE reports against codes.
- Witness to qualified welders tested in accordance applicable codes.
- Inspection and witness to piping / PL Hydro test and review test packages.
- Inspection of pumps and equipment's leveling and alignment.
- Review and closed pre-punch and post-punch list and final documents.
- Inspection and review materials certificates against codes and project specifications.

Dates : From Nov. 2007 till Dec. 2008

Employer : Petrofac

Project : Khalda / Petrofac Project (Salam Gas Trains 3 & 4)

Job title : Senior QA/QC Mechanical / Piping / Welding & NDT Engineer

Job Description :

- Responsible for establishing and reviewing project NDT procedures (Visual Examination, Penetrant testing, Magnetic testing, Ultrasonic testing and Radiographic testing procedures).
- Carrying out NDE including:
 - Visual Examination.
 - Thickness Measurement.
 - Ultrasonic Testing.
- Interpreted all NDE in accordance to applicable codes.
- Preparing NDE Reporting (VT, PT, MT, UT and RT reports).

Dates : From Mar. 2007 till Oct. 2007

Employer : TARRADCO International Company for projects & contracts

Project : El-Ezz Flat Steel Project:
Fabrication of 14 wall panels, 2 roof panels, 2 shield panels & 1 elbow panel

Job title : QA/QC Manager (Mechanical / Piping / Welding & NDT)

Dates : From Feb. 2006 till Feb. 2007

Employer : SGS Group

Project : EPIC (Egyptian Basic Industries Company) Plant, Project-6315-EPIC (Construction of 5 water tanks and 2 Ammonia tanks)

Job title : Senior QA/QC Mechanical / Piping / Welding & NDT Engineer

Dates : From Aug. 2005 till Jan. 2006

Employer : ThyssenKrupp Uhde

Project : Ammonia/Urea Fertilizer Plant – MOPCO, Damietta (Stage 2)

Job title : Senior QA/QC Mechanical / Piping / Welding & NDT Engineer

Dates : From Sep. 2004 till Jul. 2005
Employer : IEMSA
Project : Ammonia/Urea Fertilizer Plant – MOPCO, Damietta (Stage 1)
Job title : QA/QC Mechanical / Piping / Welding & NDT Engineer

Dates : From Jun. 2003 till Aug. 2004
Employer : ARESCO (Manufacturing & Industrial Projects)
Project : Egyptian LNG Project (IDKU)
Job title : QA/QC Mechanical / Piping / Welding & NDT Engineer

Dates : From Apr. 2002 till May 2003
Employer : DEVCO (International Company for Industrial Development)
Projects :

- EGYPT Air Dye Ice Factory (24,000 L. CO2 pressure vessel):
 - Testing Engineer
- Inspection for CO2 pressure vessel – " MISCO" project (Ismalija):
 - QA/QC & NDT Engineer, carrying out NDE including:
 - Visual Examination.
 - Thickness Measurement.
 - Ultrasonic Testing.
 - Hydrostatic Test.
 - Interpret all NDE in accordance applicable.
 - Preparing NDE Reporting.
- Lifting Equipment Inspection (FMC. LINK BELT S 3/8):
 - QA/QC & NDT Engineer

Dates : From Apr. 2000 till Feb. 2001 (before graduation)
Employer : Detection Welding & NDT Consulting Office

Field of experience :

- Quality Control Manuals and Procedures.
- Quality Control Procedures.
- Quality Control Plans (QCP's) & inspection and test plans (ITP's).
- Preheat and Post Weld Heat Treatment (PWHT).
- Oil & Gas Refineries.
- Power Plants (Gas & Oil - fired Boilers - HRSG's - Gas Turbines - Steam turbines - Generator - Diverters - Diffusers - Ducts - Stacks).
- Fertilization.
- Petrochemicals.
- LNG.
- Pipe Lines.
- Steel Structure Fabrication and Erection.
- Piping Fabrication and Erection (Process Piping - Power Piping).
- Pump Stations.
- Firefighting and HVAC.
- Plant Inspection.
- Storage Tanks Inspection.
- Offshore & Onshore.
- Shutdown Works (According to API & ASME Codes).
- Heat exchangers.

- Drums.
- Air Coolers.
- Reactors.
- Cooling Towers.
- Code and Standards (ASME, API, AWS, DIN, EN).
- Pressure Vessel Fabrication and Inspection.
- Welding Procedure Qualification Record (WPQR's).
- Welding Procedure Qualification (WPS's).
- Welder Qualification Tests (WQT).
- Welding Activities.
- Non-Destructive Testing (NDT).
- Material Control Inspection.
- Quality Document Record and Control.
- Familiar with: ASME Sec I, ASME Sec II, ASME Sec V, ASME Sec VIII, ASME Sec IX, ASME B31.1, ASME B31.3, ASME B16.5, API 510, API 570, API 650, API 653, AWS Codes, DIN Codes, EN Codes, BS Codes.
- Responsibilities:
 - Understand customer needs and requirements to develop effective quality control processes.
 - Devise and review specifications for products or processes.
 - Set requirements for raw material or intermediate products for suppliers and monitor their compliance.
 - Ensure adherence to health and safety guidelines as well as legal obligations.
 - Supervise inspectors, technicians and other staff and provide guidance and feedback.
 - Oversee all product development procedures to identify deviations from quality standards.
 - Inspect final output and compare properties to requirements.
 - Approve the right products or reject defectives.
 - Keep accurate documentation and perform statistical analysis.
 - Solicit feedback from customers to assess whether their requirements are met.
 - Submit detailed reports to appropriate executives.
 - Be on the lookout for opportunities for improvement and develop new efficient procedures.
 - Responsible to all the mechanical (piping, equipment, steel structure, firefighting, Plumbing and HVAC) and welding activities at plant.
 - Ensure material used as per project specification and from approved supplier or subcontractor and verify the material inspection has been carried out prior to transfer to site.
 - Liaise with internal and external concerned parties (manufacturing, construction, client, installation, maintenance, support, documentation, and testing teams) to ensure compliance with specification, standard and codes.
 - Fully coordinate with area site engineers and client counterparties for organizing and planning the work as per project schedule.
 - Review all drawings and prepare QCP & ITPs in project as per project specification.
 - Aware of metallic and nonmetallic piping work (CS / SS / GRP / HDPE / PVC, etc.).

- For metallic work, review and prepare all the procedure qualification records (PQR'S) and the supporting welding procedure specification (WPS'S) according to the applicable Checking welder performance qualifications (WPQ'S) to the WPS which applicable.
- Make welding map in all the drawing for every joint welded contain welder identification, date of welding and type of non-destructive testing required according to the type of the material, thickness & service class.
- Prepare repair action plane in order to minimize the repair rate as per project specification.
- Review all the post weld heat treatment charts to be sure it's done as per in the WPS.
- Be sure that all NDE is done and accepted and if there are any repairs have to be done according to the repair procedure.
- Supervise quality inspectors' work and monitor overall inspections on all site activities, materials and recourses by conducting random inspections to make sure all relevant procedures, requirements specifications and regulations are implemented.
- Undertake analysis, develop recommendations to solve identified problems and discrepancies.
- Liaise / meet with internal and external clients to discuss discrepancies or any specific matters relating to quality.
- Coach Quality inspectors at lower levels in order to integrate them in the work and train them to ensure their continuous skill level improvement.
- Supervision of all flanges tightening (manual, torqueing, tensioning) and maintain record.
- Responsible for all steam tracing and HTC installation.
- Aware of Inspection and erection of ducts related to HVAC in building work.
- QC in charge for Fresh cooling water system installation in QGX II project.
- Set up preservation / protection plan for materials at site according to project specification and vendor requirements and reporting any violations.
- Witness / inspect execution of all site test (hydrostatic, pneumatic / tightness, in-service, gravity test, etc.) review and approval of test results and relevant certificates.
- Supervise the proper control of documents and records according to Quality Management System and make sure the latest revision of the project's technical documents is always circulated to concerned parties.
- One of the team for ISO (9001-2000) review in Arab steel fabrication company (ASF).
- One of the team who participated in ASF certification with (U & S STAMP) for pressure vessels and power Boilers construction according to ASME I & VIII div.1.
- Make inspection of the fabrication and erection of storage tanks as per client specification and required standard.
- Make inspection of the fabrication of pressure vessel as per client specification and required standard.
- Aware of Qatar Construction Standard (QCS).
- Aware of the international standards and codes such as ASME,

AWS, API, EN, ASTM, DIN, EN & BS.

- Test packs work:
 - Control and follow up the test pack flow with the client and site engineers to clear any punches (NDT, Heat treatment, DWRs...).
 - Assist to clearly provide the turnover documents to client.
 - Preparing & Check Test Pack Documents & Submit to the Client.
 - Preparing the NDT covering status for each Test Pack if applicable.
 - Preparing the Welding Summary for each Pipe Line if applicable.
 - Coordinate Test Pack Activities and Issuance of Internal Punch List.