

Holds a B. Sc. in Metallurgy & Material Science Engineering and has over 12 years hands-on experience working as QA/QC Mechanical Manager or SENIOR QA/QC Engineer, QA/QC Engineer, Certified Welding Inspector, NDT Engineer, Welding Engineer and Mechanical Piping Engineer of petrochemical, gas and oil Field Upstream Facilities (Structural steel, piping, pipe line, Tanks and pressure Vessels). Has additional experiences in erection and installation of Pumps, Compressors, fire fighting, HVAC, ducting & heavy equipment's in Oil & Gas / petrochemical onshore and offshore fields.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 31/08/1983
Gender : Male
Marital Status : Married
Residence : Menoufia

EDUCATION

: B. Sc. in Metallurgy & Material Science Engineering, Suez Canal University

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Certification scheme of Senior welding and inspection personnel "CSWIP 3.2.1", Cert. No: 105918.
: Certification scheme of welding and inspection personnel "CSWIP 3.1", Cert. No: 62858.
: ASNT level (II) in Ultrasonic test UT.
: ASNT level (II) in radiographic Test RT.
: ASNT level (II) in magnetic Test MT.
: ASNT level (II) in dye Penetrate Test PT.
: Lead Audit ISO 9001.
: TOTAL QUALITY MANAGEMENT.
: Documentation and Documents / Records Control awareness.
: Awareness and Understanding Course according to ISO 9001:2000 (QMS).

: API 570 at CIC Company.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2017 till now
Employer : Subsea 7
Project : West Nile Delta GIZA, FAYOUM & RAVEN (GFR) fields by BP, offshore Egypt
Job title : Green Field Lead QA/QC Welding Inspection Engineer

Dates : From Sep. 2016 till Feb. 2017
Employer : Orascom Construction
Project : AMMONIA UREA ENPC PROJECT (KIMA Aswan)
Job title : QA/QC Mechanical Manager

Dates : From Mar. 2016 till Sep. 2016
Employer : Subsea 7 - Hired from BUREAU VERITAS
Project : West Nile Delta Taurus and Libra fields by BP, offshore Egypt
Job title : Green Field Senior QA/QC Welding Inspection Engineer

Dates : From Jun. 2014 till Feb. 2016
Employer : ThyssenKrupp Industrial Solutions (TKIS) (Uhde)
Project : Egyptian Nitrogen Products Company (ENPC)
Job title : Senior QA/QC Welding Inspection Engineer

Dates : From May 2013 till Jun. 2014
Employer : LUKOIL MID- EAST LIMITED - Hired from BUREAU VERITAS
Projects :

- Tuba tanks farm (3 biggest storage floating Roof Tanks), IRAQ
- Center process facilities CPF (17 TANKS + UTLITES + PROCESS + PIPING), IRAQ
- 102 km 42° Export Pipe Line from Tuba Area to CPF, IRAQ

Job title : Senior QA/QC Welding Inspection Engineer

Dates : From May 2012 till Apr. 2013
Employer : KHALDA Petroleum Company - Hired from Quality Control
Project : 16" pipeline 160 Km long (API 5L X52), Western Desert
Job title : Senior QA/QC Welding Inspection Engineer

Dates : From Nov. 2011 till May 2012
Employer : PMS (Petroleum Marine Service Co.) - Hired from Inspecta International
Project : WEST DELTA DEEP MARINE CONCCSSION PROJECT, Burullus
Job title : QA/QC Engineer (Welding & MECHANICAL)

Dates : From Jul. 2010 till Nov. 2011
Employer : IEMSA IMPIANTY INTERNATIONAL S.R.I
Project : AMMONIA UREA ENPC PROJECT, Damietta
Job title : Senior QA/QC Welding Inspection Engineer

Dates : From Apr. 2009 till Jul. 2010
Employer : PETROJET (Petroleum Projects and Technical Consultation Co.) - Hired from Inspecta International
Project : METHANOL PLANT DAMIETTA-1 PROJECT
Job title : QA/QC Welding Inspection Engineer

Dates : From May 2008 till Apr. 2009
Employer : PETROJET (Petroleum Projects and Technical Consultation Co.) - Hired from Inspecta International
Project : Salam Gas train 3 & 4 (JI 187), Western Desert
Job title : QA/QC Engineer for tanks and piping

Dates : From May 2007 till Nov. 2007
Employer : PETROJET (Petroleum Projects and Technical Consultation Co.) - Hired from Inspecta International
Project : Elab Project - Northern Branch, Alex
Job title : NDT Inspector

Dates : From May 2006 till Nov. 2006
Employer : PETROJET (Petroleum Projects and Technical Consultation Co.) - Hired from Inspecta International
Project : LNG (IDKU - Egypt)
Job title : NDT Inspector

Dates : From May 2005 till Oct. 2005
Employer : PETROJET (Petroleum Projects and Technical Consultation Co.)
Project : LNG DAMIETTA (Liquefied Natural Gas)
Job title : NDT Inspector

Projects:

- KIMA – Aswan petrochemical Fertilizers one train about 800000 inch's piping (C- Steel, Low Temp., Stainless Steel (304, 304L, 316, 316L, 316Ti, 321, 347, 310 & 304H), Duplex, Safurex A335- P11, A335- P22, A335- P91), 20 000 ton steel structures, one boiler 16 tanks, one Reformer.
- Subsea 7 has secured a contract by Burullus Gas Company S.A.E. for the platform extension and tie-in on the first phase of the West Nile Delta development of the Taurus and Libra fields by BP, offshore Egypt, about 80 000 inch's piping 10 000 ton steel structures.
- ENPC - MOPCO 1 & 2 (continuation) petrochemical Fertilizers two trains about 1 million inch's piping 20 000 ton steel structures, two boiler 10 tanks, ammonia tank about 100 meter diameter, pressures vessel two

stack.

- WEST QURNA (PHASE 2) ELBASRA – IRAQ. Projects (about 2000000" piping, 100000 ton pressure vessels, 500000 ton steel structures, 25 tanks, 3 biggest storage floating Roof Tanks & 150 km pipeline, 2 power plants.
- KHALDA Petroleum Company 16" pipeline 160 Km long (API 5L X52).
- WEST DELTA DEEP MARINE CONCCSSION PROJECT.
- ENPC - MOPCO 1 & 2 petrochemical Fertilizers two trains about 1 million inch's piping 20 000 ton steel structures, two boiler 10 tanks, ammonia tank about 100 meter diameters, pressures vessel two stack.
- METHANOL PLANT DAMIETTA-1 PROJECT (about 1500000" piping, 80000 ton pressure vessels, 500000 ton steel structures, 17 tanks, 30 km pipeline, and 3 steam turbine.
- SALAM GAS TRAINS 3 & 4 (SGT 3 & 4) about 75 pressure vessel, two towers.
- Elab Project-Northern Branch.
- LNG (IDKU-Egypt).
- LNG DAMIETTA (Liquefied Natural Gas).

Field of experience :

- Material work:
 - C.S:A106 GR.B, A283 GR.C, A53, A267, API 5L-X52, X60 & LTCS: A-333.
 - ST.ST: A312 TP 304, 304L, 304H, 316,316L, 316TI, 347, 321.
 - Duplex: A790, safurex, super duplex.
 - Alloy Steel: A335: P11, P91 and P22.
 - Others: Alloy 20, Inconel & Monel, X20.
- Experience details as Project Inspection Co-coordinator EPC CONTRACTS:
 - Obtaining all the vendor quality plans and relevant procedures where necessary, defining the inspection strategy for the contract, and supervising TPI Company engaged on vendor inspections, for product certification requirements, as per the criticality rating.
 - Review of quality plans and related procedures in accordance with project specifications and material requisitions.
 - Review & identify the stage wise inspection requirements in association with relevant discipline engineer wherever necessary according to the inspection class level of the equipment as stated in the material requisitions and specifications to establish "Review", "Witness", "Hold" points.
 - Liaising with COMPANY/PMC for the approval of plans where necessary as appropriate to the equipment / item, materials.
 - Attendance of pre award meetings with vendors to clarify inspection requirements.
 - Obtaining the inspection forecast dates from the vendor based on inspection plans.
 - Obtaining all inspection reports and review the contents of reports and taking appropriate actions as necessary.
 - Copy of the inspection reports to be distributed to COMPANY/PMC within two weeks from the inspection date.
 - Prepare and submit the Inspection notification for the COMPANY/PMC representative inspection interventions where necessary according to inspection plan.

- Process all deviations and non-conformances with appropriate engineering departments and ensure the COMPANY approval is obtained in writing before conveying acceptance of any deviations from the specifications and standards.
- Maintain a filing system of all Test certificates / dossiers in association with Material inspector of the project site, Vendor wise.
- Maintaining all vendor document status on daily basis.
- Capable of dealing with leading Third party agencies example LLOYDS, B.V, GL, VELOSI, TUV etc.
- Experience details as Third Party Inspector:
 - Perform source inspections at Vendor(s) / Sub Vendor(s) works as specified in the inspection plan.
 - Sending Flash reports, inspection reports to inspection co-coordinator.
 - Preparing inspection reports – with giving the following details – Vendor name, P.O No, Equipment / material inspected, Reference of specification and ITP, location of inspection, date of visit, personnel co coordinated during the visit, stages of inspection carried out, details of inspection with digital photos, results of inspection, deviation, non-conformances if any, Date of next visit, Tentative final inspection date proposed by the Vendor, enclosures of lab, vendor test report.
 - Intimating the inspection co-coordinator immediately when nonconformance report is issued so that an immediate course of action can be determined.
 - Upon completion of final inspection, and review of all dossiers, the Area inspector shall submit inspection release notes.
 - Perform auditing for quality management system (QMS) for contractors to ensure the performance of work execution.
 - Implementation and follow up of project quality objectives and requirements.
- EXPERIENCE DETAILS as Materials Engineer QA-QC:
 - Provide Materials Engineering services for all onshore - pipelines and facilities.
 - Carry out materials selection studies and provide cost effective recommendations thereof for new construction, modifications, repairs and replacement works.
 - Provide technical advice to strategies for materials selection, inspection and testing requirements welding & heat treatments requirements, requirements for various engineering and plant modification project.
 - Oversee the activities of the Engineering and Construction Contractors / Vendors on all materials engineering related activities.
 - Oversee detailed engineering activities including formulation and interpretation of materials construction specifications to ensure alignment with corporate policies and strategies.
 - Interface with Contractor's engineering teams and provides technical guidance and expertise to ensure project requirements are clearly understood and met Reviews and approves related technical documents.
 - Review material requisition, materials selection / proposed alternatives, technical bids and approves of makes recommendation to management for approval, as per the

- Documents Distribution Matrix (DDM).
- Review vendors/subcontractors drawings and related documentations (studies / recommendations etc.) to ensure the material engineering aspects meet the design specifications Comments on and/or approves the relevant documents and drawings and follow-up with engineering Constructors to ensure the comments are incorporated into the drawings and related documentations.
- Review the technical content of any Non Conformance Application (NCA) received from the Engineering Contractors Recommends acceptance with comments, or rejection of the NCA to management.
- Participate in costing and preparation of budgets for materials engineering aspects for projects.
- Participate in technical studies (material selection, risk assessment studies, corrosion assessment protection studies etc.) P&D reviews & HAZOPs and provide expert advice on all materials & corrosion related issues.
- Conduct all work activities in safe and environmentally responsible manner at all times by not taking on any task(s) that are perceived to be unsafe.
- Report all incidents or near misses to supervisor/manager or a GHSE representative.
- Welding Inspection related Experience (In Specific):
 - Preparing welding procedures for similar dissimilar, clad, ferrous, nonferrous and alloy based, metals involved in petrochemical plants, pressure vessels and heat exchangers fabrication.
 - Review and approve Welding Procedure Specification.
 - Deciding joint design, filler wires, welding process, position, progression, polarity, voltage.
 - Preparing initial test coupons for Procedure qualification.
 - Conducting Destructive / and Non Destructive testes for the PQR.
 - Conducting Nondestructive testes for condition monitoring on refinery static, rotary equipment and specially heat exchangers.
 - Conducting welder qualification test with reference to each approved WPS Qualifying welders and allowing them on production welding.
 - Conducting Visual inspection before welding (fit up), during welding (root, hot) after welding (capping dimensions) for butt welds and fillet welds, during production welding.
 - Reviewing and interpreting all RT films as per the ASME applicable standards.
 - Preparing weld maps.
 - Preparing and following welder track records.
 - Releasing and controlling the electrodes as per the WPS /PQR, and reviewing the electrode batch certificates, with ASME sec II part C.
 - Marking repair locations on welds with reference to RT graphs, in case of not acceptable discontinuities (defects).
 - Ensuring the repairs carried out and results evaluated.
 - Releasing the raw material and inspecting according to UG – 4 TILL UG-14 and reviewing the M.T. Certificates and approved

- fabrication drawings co relating with the heat numbers, finalizing material summery.
- Sand blasting, painting, coating, and wrapping inspection experience on Petrochemical facilities.
 - Conducting Macro – micro, PMI examinations reviewing metallurgical lab reports on tested metals, dealt with C. STEEL, ALLOY STEEL, Cupper, S.S, ALUMINIUM,BRASS AND ECT alloys as per the ITP and ensuring the material compositions after welding on the weld over lay, and cladded areas.
 - Preparing welding procedures for pressure vessels, and specially heat exchangers lpg tanks, uni tanks prior to fabrication.
 - Experienced as third party inspector at ASME – U stamp holder /National board R/ISO certified vendor.
- EXPERIENCE DETAILS – related to Mechanical Inspections & QA Related (In Specific):
 - Preparing inspection test plans (ITP) for Pressure vessels inspection, especially for heat exchangers and process equipment.
 - Preparing, reviewing contractors NDT procedures as third party QA/QC inspector.
 - Preparing Hydro test procedures for piping, pipelines, HEAT EXCHANGERS, PRESSURE VESSELS, valves (seat test & body test) and witness testing, well heads hook up procedures, worked in crude production facilities.
 - Preparing and ensuring sand blasting and protective coating procedures for Pressure vessels, and process equipment.
 - Preparing, reviewing drying procedure and Inert gas filling procedures for Heat exchangers, process equipment.
 - Preparing Hydro test packages after welding cleared from NDT on the Heat exchanges, refinery equipment, and piping, at fabrication shop.
 - Preparing the calibration procedures for pressure gauges.
 - Preparing quality assurance procedures in line with ASME – U stamp requirements.
 - Boilers tube inspections, and shell inspections condition monitoring, DFT & Holiday detection measurements.
 - Coordinating with Client, customer inspectors on each stage during the fabrication.
 - Preparing spool drawings for piping.
 - Preparing project documentation during the fabrication to till final handover of the pressure vessels / heat exchangers.
 - Ensuring the fabrication is according to client specifications, Engineering standards, Code requirements and approved drawings.
 - Review and approval of all Manufacturing and Testing Procedures of vendors/Contractors on behalf of Client/TPI.
 - Experienced in various types of valve inspections, pumps inspections, skids inspections.
 - International Codes & Standards:

Familiar with the following Codes, standards & recommended practice:

 - API 5L API 1104, API 620, API 650, API653, and API 570, 574, 571, 577, 598....
 - ASME Boiler & Pressure Vessels Code section VIII (rules of construction of pressure vessel), V (Nondestructive Testing).

- ASME Boiler & Pressure Vessels Code section IX (Welding & Brazing Qualification).
- ASME B31.3 (Process Piping).
- AWS D1.1 (Steel structure welding code).
- DIN and ISO.