

Holds B. Sc. in Mechanical Power Engineering and M. Sc. in Heat Engineering. Has over 14 years hands-on experience working in QA/QC field.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 03/10/1981  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Banha University, 2006  
: M. Sc. in Heat Engineering, Alexandria University, 2014

## LANGUAGES

Arabic : Native Language  
English : Very Good  
French : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: Non-destructive testing certificates:

- ASNT NDT Level II Liquid penetrant testing.
- ASNT NDT Level II Magnetic particle testing.
- ASNT NDT Level II Radiographic testing.
- ASNT NDT Level II Ultrasonic testing.
- ASNT NDT Level II Visual testing.

: Training at West Delta Production Co. - Damanhour Power Station (2004/2005).

: Training at Siemens Company - Project Constructing of Nubaria Power Station (2005/2006).

: Training Course in Fire Fighting Design (May/Jun. 2014).

: Training Course in HVAC Systems Design (Feb./Mar. 2015).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2019 till now  
**Employer** : PetroSilah Petroleum Company  
**Project** : In-Service Inspection Activity according to API 653, API 510, API 1104, API 570 and ASTM AWS D1.1  
**Job title** : Mechanical Construction, Maintenance and QA/QC Manager  
**Job Description** : Quality Control Sector for the Projects Management in El-Fayoum fields.

**Dates** : From Oct. 2018 till Nov. 2018  
**Employer** : NOSPCO (North of Sinai Petroleum Company)  
**Project** : Welding of supports of the Jack Barge  
**Job title** : Mechanical Construction and QA/QC Manager

**Dates** : From Mar. 2018 till Sep. 2018  
**Employer** : AGIBA Petroleum  
**Project** : Meleiha Field Project  
(Fire Water Storage New Tank – 400-T-909-25000 BBL (Diameter (ID): 17 m, Total Height:17.5 m and Capacity: 3750 m3))  
**Job title** : Mechanical Construction and QA/QC Manager  
**Job Description** : Working as AGIBA QA/QC Manager – Tank Construction and Tank Inspection according to Code (API 650).

**Dates** : From Jan. 2018 till Feb. 2018  
**Employer** : LEEDS  
**Project** : ZOHR DEVELOPMENT PROJECT (ONSHORE), Port Said  
**Job title** : Mechanical QA/QC Senior Engineer  
**Job Description** : Working as LEEDS QA/QC Senior Engineer - Piping in Site & in Workshop (Small Bore Pipe Fabrication).

**Dates** : From Feb. 2017 till Dec. 2017  
**Employer** : LEEDS  
**Project** : Burullus 4800MW Combined Cycle Power Plant - Module 1 (2 HRSG's, 2 Gas Turbines and Steam Turbine)  
**Job title** : Mechanical QA/QC Senior Engineer  
**Job Description** : Working as LEEDS QA/QC Senior Engineer - Piping in Site (2 HRSG's, 2 Gas Turbines, Steam Turbine and Pipe racks) & in Workshop Fabrication.

**Dates** : From Jan. 2012 till Dec. 2016  
**Employer** : NEM  
**Projects** : El-Atf & Sidi Krir Power Station Combined Cycle Project 750MW HRSG 1 & 2 - Contract No. 10052, 3-CP-105  
**Job title** : Mechanical QA/QC Senior Engineer  
**Job Description** : Working as NEM QC Senior Engineer - Piping in Site (4 HRSG's).

**Dates** : From Apr. 2009 till Dec. 2011  
**Employer** : ThyssenKrupp Industrial Solutions Egypt (S.A.E)  
**Project** : Shoubra El-Kheima Power Station - Replacement, Renovation and maintenance (4x325MW) Power Station Heat Recovery Steam Generators (HRSG's)  
**Job title** : Mechanical QA/QC Engineer  
**Job Description** : Working as SAE QC Engineer.

**Dates** : From Feb. 2008 till Mar. 2009  
**Employer** : KAHROMIKA  
**Project** : NUBARIA POWER PLANT Combined Cycle (III) (1x750MW) - Contract No. 10037-CP-118 for Mechanical Equipment / piping  
**Job title** : QA/QC Engineer  
**Job Description** : Working as KAHROMIKA QA/QC Engineer (Piping in Site & Workshop Fabrication).

**Dates** : From Nov. 2007 till Jan. 2008  
**Employer** : KAHROMIKA  
**Project** : CAIRO NORTH POWER II (750MW) Combined Cycle - Contract No. 10032-CP-106 for Steam Turbine and Auxiliaries  
**Job title** : QA/QC Engineer  
**Job Description** : Working as KAHROMIKA QA/QC Engineer for the Embedded Parts for steam turbine for (KUREIMAT & NUBARIA) Projects by (Mostorod - Kahromika Factory).

**Dates** : From Sep. 2006 till Oct. 2007  
**Employer** : KAHROMIKA  
**Project** : NUBARIA POWER PLANT Combined Cycle (I & II) (2x750MW) - Contract No. 10037-CP-118 for Mechanical Equipment / piping  
**Job title** : QC Engineer  
**Job Description** : Working as KAHROMIKA QA/QC Engineer (Piping in Site & Workshop Fabrication).

**Field of experience** :

- Over 14 years experience as a Quality Assurance / Quality Control, Welding Inspection, Fabrication & Construction Inspection for Oil & Gas and Electricity Power Generation Plants (Petroleum Company's, Power Piping Facilities, Process Gas Facilities, Tanks, Steel Structure, Plate Work and Boilers Casing).
- Familiarity with QA/QC processes, NDE Techniques and Practices.
- Developing of Inspection Plans/ Inspection Procedures.
- Scientific Engineering Background of Code Assessment, Submitting/Reviewing Welding Documents, Material Inspection, "Ordering, Receiving & Tractability", Destructive & Non Destructive testing, Painting Inspection and Quality Management Systems based on the applicable Codes, Standards and Client's Specifications.
- Most of my Working Experience as a Client or a Consultant Representative under the largest global companies system or such as (Initec Energia, Siemens, Nem, Eni and IRM) at a technical and QA/QC activities. I have best engineering tools and sense, capable of

developing the work and performing it at its planned quality schedules and safety. Following the company system and safety roles, as a part of team and team leader too.

- I can do the office work and the site work too. I have very high safety culture, very good Experience at Computer software, and Excellent Familiar with an international Standards/ Codes (API, ASME, ASTM, AWS, PCN and National Board and some Companies Specifications.
- Main job activities:
  - Supervising the inspectors and inspection activities as senior QC and piping inspector.
  - Technical supporting of the inspectors for any technical or engineering dilemma.
  - Reviewing contract specifications and Prepare Inspection Test Plans (ITP) according to project requirements.
  - Solve all problems in Structural workshop fabrication and welding.
  - Check the fit up inspection and visual weld defect detection.
  - Check and applying the welding book (WPS, PQR).
  - Performing alloy verifications by Positive Material Identification (PMI).
  - Applying international code (ASME, API, AWS) relevant to the projects.
  - Supervision Non Destructive Testing (NDT) activities.
  - Prepare the final project hand over documents and Quality control documents control.
  - Achievement of punch list at the site and record all punch comments.
  - Piping and support fabrication.
  - Preparing test packages and witness for hydrotest of the two HRSG and Steam Turbine GT1& GT2 (BOP)... Loops (LP-26-HRSG12, LP-60-BOP, IP-68-BOP, HP-282-BOP, MKW-24-BOP, MKQ-02-BOP, LCW-09-BOP, and 30 Packages VISUAL in ( two HRSG ) by Preparation and review of the welding summary - test package including P&ID, punch list, line list, valve list, piping support list, as built Drawing, NDT and pressure test report and Review it all with (AI), Module I (Burullus Power Plant).
  - Review final documentations & check punch list for test package & walk down punch list activities and pressure test activities.
  - Review documents Included P&ID, ISO. Welding Summary, Material takes off and all reports (VT, RT, UT, PT, PWHT, PMI and Hardens Report).
  - Follow up site activities for all duties of the welding inspector before, during and after welding Including Welding Map & Follow up of welder's performance Qualifications WPQ's & Welding Procedure Specification and WPS's & Pre-weld inspection Verification that dimensions Fit-up and weld preparations are in accordance with the engineering drawings and Type of material and Performance and interpretations and evaluation of the results for the following Non-Destructive test.
  - Documents and activities review in accordance applicable Codes, Standards and Client's Specifications.
  - Review and approve the WPQs, WPSs and Control Welding

Productivity & Progress measurement.

- Responsibilities: For (QA/QC) and welding inspector (piping, plate work, Main steel structure and Pipe Supports).
- Controller for isometric drawings and modification (as built to the pipe lines).
- Review QA/QC Documentation with approved from client for power plant parts including drums, blow down tanks, pipes and piping support, stack, casing, inlet and outlet duct, secondary steel, platform, handrails.
- Review QA/QC inspection activities for welding, Dimension, materials and NDT in Workshop (Fabrication and Erection of small & Large bore piping (Carbone steel, P91, P92, P11, P22 and stales steel materials') and Pipe Support.
- Review QA/QC inspection activities for welding, Dimension (FITUP), materials and NDT in HRSG, STEAM TURBINE and GAS TURBINES (GT1, GT2) for Night and day Shifts, Module I (Burullus Power Plant).
- Review PWHT charts and Preparation the report, prepare punch lists. Follow up NCRs with all of its required correction activities and reports. Checking the follow-up action/ rectification is appropriately taken.
- Apply Inspection on various Welding Consumables (Electrodes, Special Driers for Electrodes, Filler Wires Fluxes, Shielding and Backing Gases) according to ASME II Sec. C or other various standards and review all welding activities as preheat, PWHT, interpass temperature and repair.
- Supervisor on Fabrication Processes According to for drawing and dimensions and make Quality Tests (Welding, Painting & Ultra Sonic) and make final Quality Reports for the Embedded Parts for steam turbine for(KUREIMAT & NUBARIA) Projects by (Mosturod - Kahromika Factory) - Under Project Administration OF CAIRO NORTH II.
- Painting and insulation Inspection.
- Thickness and Corrosion Measurement and Welding Inspection by using ULTRASONIC Method (Normal and Shear wave Props)...SIUI Device.
- Attend the daily coordination meeting every morning with Petrojet Contractor, Review and approval for RT Calculations for Tank According to (API 650), Review and Approval with Petrojet Contractor delivery Materials on Site by Technical Accept report, Review and Approval for WQT, WPQR & PWPS according to ASME IX), Review and Approval for NDE Procedures & NDE scope & Construction method of statement & General Construction Procedures, Review and approval the marking and Location (Level &Orientation) of the Tank Nozzles and Manholes according to Drawings, Check the fit up and assembly of tank nozzles (piping and flanges) before welding, Apply Penetrant test (PT) after visual inspection as recommended ITP, Responsible for preparing (Weld map & Weld matrix and RT map), Review and Approval for Air Pressure test or pneumatic test and oil penetrating Procedures, Randomly Inspect Manufacturer's Label Showing Batch Number, Order Number and Date of Manufacture, Monitoring Dimensional

Checking, Status of Raw material & materials Certificates, Check weld preparation, (fit up, root opening, joint geometry...etc.) according to drawing, Witness and Approval Vacuum box for bottom, roof Plate and perform recommended Hydro Test Activates, Review and Approval Several Required Dimensional check for every Shell course according to (API 650) (Peaking, Banding, Plumpness, Roundness before and after welding of each Shell ...etc.), Making Visual Test for each Welding Joint in the Tank by using Stage By Stage Weld Inspection and Review and Approval for Painting Inspection internal, external and roof structure (AGIBA Tank).

- Perform all daily inspection and test of the scope and character necessary to achieve the quality of construction required in the drawings and specifications for all works under the contract performed ON or OFF site.
- Carry out inspection and checking for all quality related procedures in the site and ensures activity at the site are as per approved method statement and inspection test plan.
- Coordinate with the consultant's representative and Site En-charge for inspection and meeting about quality problems including the closure of Non-Compliance Report.
- Report to the QA/QC Manager, control, and monitor all activities related to Quality Management System.
- Taking care of QA/QC documents of the entire project including certificates, calibration, test results, inspection requests, non-compliance reports and site.
- Instruction/observations, permanent materials delivered and other QA/QC documents.
- Responsible for the closure of Non-conformance, NCR and Site Instruction, SI.
- Responsible for the quality and workmanship of every activity, thorough knowledge of all phases of engineering construction relating to Mechanical Engineering and Structural discipline interfacing the multidisciplinary operations.
- Perform all Inspection activity According to API 1104, API 570, API 653 and API 510.
- Perform all Inspection activity According to AWS D1.1.
- Perform all Painting Inspection activity According to Stander Codes & ISO.
- Codes and Standards Knowledge:
  - American Society for Mechanical Engineer (ASME):
    - ❖ ASME B & PVC Section II Part C (Part A - Ferrous Material Specifications and Part C - Specifications for Welding Rods, Electrodes, and Filler Metals).
    - ❖ ASME B & PVC Section V (Nondestructive Examination).
    - ❖ ASME B & PVC Section I (Rules for Construction of Power Boilers).
    - ❖ ASME B & PVC Section IX (Welding and Brazing Qualifications).
    - ❖ ASME Code for Pressure Piping, B31.3 (Process Piping).
    - ❖ ASME Code for Pressure Piping, B31.1 (Power Piping).
    - ❖ API 650 Code for Welded Tanks for Oil Storage.

- Other codes and standards:
  - ❖ ASTM.
  - ❖ AWS D1.1.
  - ❖ EN applicable standards.
- Familiar with the following materials:
  - SA-335 P91 (X10CrMoVNb9-1) 1.4903.
  - SA-335 P11 (13CrMo4-5) 1.7335.
  - SA-335 P22 (10CrMo9-10) 1.7380.
  - SA-312 TP321 (X6CrNiTi18-10) 1.4541.
  - X20CrMoV12-1 (1.4922).
  - SA-333 Gr 1,6.
  - SA-335 P92.
  - SA-312 TP347 (X6CrNiNb18-10) 1.4550.
  - SA-106 A,B,C and SA-283 Gr-C.
  - SA-312 TP304L (X2CrNi19-11) 1.4306.
  - SA-312 TP316L (X2CrNiMo17-13-2) 1.4404.
  - SA-312 TP316Ti (X6CrNiMoTi17-12-2) 1.4571.