

Holds a B. Sc. in Mechanical Engineering and has about 34 years hands-on experience working in power plants and petroleum projects, mechanical systems QC/QA field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 15/08/1961  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## **EDUCATION**

: B. Sc. in Mechanical Engineering (Design & Production Department),  
Menoufia University, 1985

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : CIC (Cairo Inspection Co.):
  - NDT using Radiographic (RT) Level II.
  - NDT using Magnetic Particle (MT) Level II.
  - NDT using Liquid Penetrant (PT) Level II.
  - Welding Inspection (VT) Training Course.
- : Central Metallurgical Research and Development Institute (CMRDI):
  - Welding Technology, Inspection and Material (May 1989).
  - Welding Technology, Welding Metallurgy, Non Destructive Testing and Heat Treatment (Mar. 1992).
  - Ultrasonic Testing, Radiographic Testing, Magnetic Particle Testing - Dye Penetration Test (Apr. 1995).
- : Training Course on Introduction to M.P.I. at Magna Flux Division of I.T.W. Limited (Nov. 1998).
- : Introduction to Microcomputers for Engineers.

- : Shoubra El-Kheima Power Station:
  - Power Plant Basics and Site Specifics Training Courses, constituting a program of concentrated study of Power Plant Equipment and System Theory and Application – BECHTEL.
  - Introduction to DOS.
- : Vibration condition monitoring – Scottish Power (Dec. 1991).
- : Practical training course from SIGMA PAINTS (EGYPT) LTD.
- : Training Course on Software basics, Hardware basic, Geometric measuring and construction and measuring for CAM2 MEASURE with FARO LASERTRACKER.
- : Basic Life Support & First Aid from EGYPTIAN RED CRESCENT.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2018 till now
- Employer** : GS Engineering and Construction
- Project** : ERC (Egyptian Refining Co.), Mostorod
- Job title** : QA/QC Document Reviewers Team Leader
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- Dates** : From Jan. 2017 till Jan. 2018
- Employer** : ARCONS / IREM / SIEMENS
- Project** : El-Burullus Combined Cycle Power Plant (4800MW)
- Job title** : QC/QA Manager
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- Dates** : From Jun. 2011 till Dec. 2016
- Employer** : CEPC (Cairo Electricity Production Company)
- Project** : Shoubra El-Kheima Power Plant 4x315MW
- Job title** : QC, NDT & Welding Department and Main Workshop Manager
- Job Description** :
  - Workshop Engineer, responsible for Rebon and Manufacturing of Spare Parts for Plant Equipment, maintenance & repair of Workshop Machines including Turning Machines (Horizontal & Vertical), Milling Machines.
  - Boiler and Turbine Maintenance & Inspection (VT, PT, MT, UT) on HP, LP Turbine, Pumps GRF, FDF, Air heaters, Steam heaters, Valves, Ducts and Pipes (Water wall, Down Comers, IKs, Drums).
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- Dates** : From Jun. 2009 till Jun. 2011
- Employer** : INITEC Energia
- Project** : Cairo West Power Station (2x350MW) (CP-118 & CP-117)
- Job title** : QC/QA Manager
- Job Description** :
  - Review and approved the quality plan.
  - Inspection of installation pumps, equipment pressure vessel and steel structure leveling and alignment.
  - 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 piping workshop.

**Dates** : From Jun. 2007 till Feb. 2009  
**Employer** : GE  
**Project** : Tema Thermal Power Project (TTPP1 & TTPP2) (4x125MW GAS Turbine Frame 9E) – GHANA  
**Job title** : QC/QA Manager  
**Job Description** :

- Leading the mechanical and electrical installation of the turbine – generator.
- Prepare quality control plan according to specification.
- Prepare welding summary according to specifications.
- Prepare inspection test plan (ITP).
- Monitoring weekly NDT & welding status.
- Prepare all documentation for the test packages.

**Dates** : From Oct. 2005 till May 2007  
**Employer** : Seagull / NEM  
**Project** : Cairo North Power Station Phase II (750MW) Combined Cycle CP-105 & CP-118 (2 HRSG)  
**Job title** : QC/QA Manager  
**Job Description** :

- Preparation of Field Assembly and Inspection Test Plan FA-ITP for Boiler components.
- Preparation of Boiler Welding map for Steel Structure, Casing, piping. Bumpers Baffles, Inlet Duct, Outlet Duct, Stack.
- Preparation of Welding Matrix for all items.
- Qualification of welders according to AWS D1.1 and ASME Codes.
- Welding monitor in site for proper applying of Applicable WPS for each part.
- Preparing NDT for all welded joints according to FA-ITP and the applicable codes.
- Preparing welding summary and line inspection summary list (LISL).
- Inspection of Insulation and panting for casing boiler and piping.

**Dates** : From May 2005 till Sep. 2005  
**Employer** : EMC (RASHED PETROLEUM COMPANY)  
**Job title** : QA/QC Engineer

**Dates** : From Aug. 2003 till Apr. 2005  
**Employer** : DSD (Ferrometalco)  
**Project** : Cairo North Power Station Phase I (750MW) Combined Cycle, CP-105 (2 HRSG)  
**Job title** : QC/QA Manager

**Job Description** : 

- Prepare welding summary for pressure & non pressure parts according to AWS and ASME codes.
- Prepare quality control plan according to specification.
- Prepare Inspection test plan (ITP) for 2 HRSGs.
- Monitoring weekly NDT & welding status.
- Prepare documentation of test package.

**Dates** : From Dec. 2001 till Jul. 2003

**Employer** : EDF (3EC)

**Project** : Egypt BOOT Project (2x350MW)

**Job title** : QC/QA Welding Engineer

**Job Description** : 

- Assigned as Site Welding Inspector to monitor all welding process including Boilers, turbine & Tanks Fabrication, Pipe Erection.
- Qualified to run and inspect all NDE. The duties include also inspection of all various construction tasks and RT interpretation.
- Review weekly welding status by piping class & welders numbers.
- Check final documentation of test package for piping.
- Check final documentation of End of Erection for all systems.

**Dates** : From May 2000 till Nov. 2001

**Employer** : FINCIMEC S.P.A. IMPIANTI INDUSTRIALI

**Project** : Expansion Lube Oil Plant, Alexandria

**Job title** : QC/QA Engineer

**Job Description** : 

- Monitor weekly welding status by piping class welder's numbers.
- Check final documentation of test package for piping.
- Check final documentation of test package for 3 boilers.
- Check final documentation of test package for 15 tanks.
- RT interpretation.

**Dates** : From Feb. 1999 till Apr. 2000

**Employer** : DAELIM Engineering & Construction

**Project** : MEDOR Oil Plant

**Job title** : QC/QA Engineer

**Dates** : From Jan. 1989 till Jan. 1999

**Employer** : CEPC (Cairo Electricity Production Company)

**Project** : Shoubra El-Kheima Power Plant 4x315MW

**Job Description** : 

- Supervisor: Responsible for NDT & QC Department and Main Workshop.
- Boiler Maintenance Engineer: Responsible for inspection on GRF, FDF, Air heater, Valves and Pipes.
- Workshop Engineer: Responsible for rebon and manufacturing of spare parts.

**Dates** : From Jul. 1986 till Dec. 1988

**Employer** : Egyptian Forces Army

**Job Description** : Maintenance & Inventory Engineer for the Vehicle Workshop.

**Dates** : From Jan. 1985 till Jul. 1985  
**Employer** : AHMOS Company (Gearing Manufacture)  
**Job Description** : General Engineering as a Production Engineer.

**Further experiences** : Training Officer in Shoubra El-Kheima Power Station Training Center:

- Teaching courses in Welding Technology.
- Teaching courses in Welding Metallurgy.
- Teaching courses in Non Destructive Testing (RT, MT & PT).

**Field of experience** :

- Full awareness and implementation of the requirement of quality management.
- Prepare quality control plan according to the specification.
- 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.
- Review and verify all the relevant materials certification to assure its compliance is based on project specification and applicable standard.
- Supervision of erection activities according to codes and standard.
- Inspection of installation pumps, equipment, tanks, pressure vessel and steel structure leveling and alignment.
- Inspection and witness of installation piping (Pressure Part and Non Pressure Part) & boiler parts / hydro test prepare and review test package.
- Underground piping erection, pressure test, and wrapping and Holiday Test.
- Above ground piping pressure testing and reinstatement work.
- Review and approval for hydrostatic test procedure.
- Punch listing prior to hydrostatic testing, supervising the H.T. flushing and blowing up.
- Inspection for all painting, insulation and fire proofing.
- Preparation of Handover Package (Q/A View).
- Reinstatement of the loops after H.T. and prepare for pre-commissioning. Solving and close the problems of punch list with consulting team.