

Holds a B. Sc. in Mechanical Power Engineering and has about 7 years of experience in the field of oil and gas, refinery, power plants and Petrochemicals projects.

## PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Residence : Mansoura

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2013

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: Maximo  
: AutoCAD  
: Primavera  
: SAP  
: Matlab

## TRAINING COURSES AND CERTIFICATIONS

- : MPEN 090 Refineries Commissioning and Start-up of Mechanical Equipment (American University):
  - Testing and Commissioning of Static Equipment (Towers, heat exchanger, Drums, Vessels, Fractionators, Regenerators, Reactors, Reformers, Heaters, Pipelines, Oil Storage tanks).
  - Rotary equipment (pumps, compressors, turbines, Gear boxes, agitators, blowers, fans, diesel engines).
  - Isolation standards.
  - Alignment.
  - Vibration analysis.
- : Certified ASNT Nondestructive Testing (NDT Level II):
  - Visual Testing (VT) Level II.
  - Penetrant Testing (PT) Level II.

- Magnetic Testing (MT) Level II.
  - Ultrasonic Testing (UT) Level II.
  - Radiographic Testing (RT) Level II.
- : Professional AutoCAD course (Mansoura University).
- : Certified UNESCO International Computer Driving License (ICDL).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Apr. 2018 till now

**Employer** : Orascom Construction

**Project** : Kima Aswan Ammonia & Urea Fertilizer Plant

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

**Job Description** : Responsible on Ammonia converter area 1071 (Synthesis Gas Conversion, synthesis gas compressor, the ammonia refrigerant compressor and Ammonia Refrigeration System (ASTEM 333)).

**Dates** : From Aug. 2017 till Apr. 2018

**Employer** : Orascom Construction

**Project** : Damietta Combined Cycle Power Plant

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

**Job Description** :

- Supervision of subcontractor Delta Company.
- Responsible on main steam system (ASTEM 335) the steam turbine (steam sealing - lube oil - hydrogen seal oil - air fan cooler - instrument compressed air).
- Responsible on all plant under ground piping (CS - GRP - ST - HDPE).

**Dates** : From Mar. 2017 till Aug. 2017

**Employer** : PSC

**Project** : Sidpec New Amine Plant

**Job title** : QA/QC Engineer

**Job Description** :

- Complete Installation of 2 columns (amine stripper - gas absorber) - amine filters - Air Consender - Amine pumps KSp.
- Complete Installation of piping system and addition steel.

**Dates** : From Apr. 2016 till Mar. 2017

**Employer** : PSC

**Project** : Beni Suef 4800MW Combined Cycle Power Plant

**Job title** : QA/QC Engineer

**Job Description** : Complete Installation of (module 30), 2 HRSG boilers and 2x400MW 8000H-class gas turbine.

**Dates** : From Jun. 2014 till Apr. 2016

**Employer** : El Nasr civil work

**Project** : Meet Khamis Water Treatment Plant

**Job title** : Equipment Engineer

- Job Description** : • Carry out inspection for all electromechanical work includes Raw and treated water Pumping stations (vertical turbine pumps).  
• Pipeline and fitting installation (Ductile 400mm, 600mm, 1500mm) between raw pumps, distribution chambers, 2 clarifiers, 8 sand filters, ground tanks, treated pumps, sludge collection tanks.
- Dates** : From Oct. 2013 till Jun. 2014
- Employer** : El Nasr civil work
- Project** : Kom El-Tawil sewer stations construction
- Job title** : Equipment Engineer
- Job Description** : • Carry out inspection for all electromechanical work includes Two lift stations (homa submersible pumps - 2 electrical transformers - 2 low voltage switchgears - 2\*500KVA Diesel Generator).  
• 10km HDPE discharge pipeline with the Hydrostatic Tests.  
• Full upvc grid (8", 10", 12", 16", 20", 24") two microtunneling concrete pipe jacking under railway.  
• Quantity surveying and preparing client and subcontractor invoices.
- Field of experience** : • Rotating Equipment design basis, installation, operation, maintenance and condition monitoring of steam turbine, gas turbine, pumps, compressors and diesel engines.  
• Static Equipment maintenance and testing of Power Boilers, Pressure Vessels, heat exchangers, Power and Process Piping and Storage Tanks.  
• Familiar with all codes and Standards (ASME, ASTM, API, AWS, EN and ISO).  
• As QA/QC Engineer:  
- Prepare and review PQRs, WPS, WQT and Prepare project documents (ITP, MS, procedures, ....etc.).  
- Review all raw material and compare with the packing list and the process of incoming materials inspection at site. Storage, handling and preservation. The process of material issues and control at .  
- Check material Certificate from supplier and submittal of vendor with the applicable codes and Make MRR.  
- Responsible on study applicable codes (ASME I), (ASME IX) (ASME B31.3), (ASME B31.1), (AWS D1.1) and project specification to extract the acceptance criteria.  
- Inspection and witness of piping (fit up, welding, preheat, NDT requirement, PWHT, hardness and PMI).  
- Inspection and testing of static equipment (Towers, heat exchanger, Drums, Vessels, Reactors, Reformers, Heaters, Pipelines, Oil Storage tanks).  
- Inspection and testing of rotating equipment (pumps, compressors, turbines, diesel engines).  
- Witness the calibration of welding machines, Tools, packing ovens, Heat treatment machines.  
- Verify work by checklists & Punch list and Ensure P&ID diagrams operability.  
- Pre-commissioning line walk down, prepare the punch list and

- follow up items closing.
- Prepare and review sub test packages, the turnover packages and Mechanical completion (MC).
- Releasing the system for pressure testing, dewatering, reinstatement and flange management.
- Witness the chemical cleaning, hot oil flushing and steam blowing.
- Witness Sandblasting, painting, st.st pickling & passivation, insulation and line numbering.
- As Maintenance Engineer:
  - Carry out preventive, Predictive, breakdown maintenance on all field equipment and company assets.
  - Carry out fault diagnosis, identify the fault cause and ensure Plant machinery safety and reliability.
  - Troubleshooting for rotating equipment pumps, compressors, steam, gas turbines and their auxiliary systems.
  - Troubleshooting and testing of Static Equipment like Towers, Heat Exchangers, Drums, Vessels, Fractionators, Regenerators, Reactors, Reformers, Furnaces, Heaters, Piping, Oil Storage tanks, Valves.
  - Engine overhauls for Volvo, Mitsubishi, Cummins, Perkins, Cat, Kubota, Hyundai, etc.
  - Setting priorities and assigning labor and materials.
  - Inventory management and ensuring availability of required spares.
  - Obtain technical information from the equipment manufacturers, manuals and drawings.
  - Ensure to record all activities in log system like material ordering, technical data, equipment history, etc.