

Holds a B. Sc. in Mechanical Engineering and has over 7 years hands-on experience working in construction, maintenance, commissioning and QC at Power Plants.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 02/12/1985  
Gender : Male  
Residence : Alexandria

## **EDUCATION**

: B. Sc. in Mechanical Engineering, Alexandria University, 2008

## **LANGUAGES**

Arabic : Native Language  
English : Excellent

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Access), Internet  
: AutoCAD (2D & 3D)  
: Automation Studio (Hydraulic Circuits)  
: Microsoft Visio  
: Matlab  
: Primavera P6 Professional Project Management

## **TRAINING COURSES AND CERTIFICATIONS**

: Power Boiler Maintenance training with AC Boilers, Italy.  
: Management and maintenance training about combined cycle Power Plant (2+1), 1200MW including (Gas turbine and its auxiliaries, Steam Turbine and its auxiliaries, Generators and HRSG), basic and maintenance training with SIEMENS AG.  
: Project Management Professional Training course (PMP training).  
: Primavera P6 Professional Project Management course.

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2017 till now
- Project** : BURULLUS COMBINED CYCLE POWER PLANT (4800MW), KAHR EL SHEIKH GOVERNORATE
- Job title** : QC MECHANICAL ENGINEER
- Job Description** :
- Primary responsibility (Owner QC Engineer):
    - Supervise and inspect of level quality performance of construction contractors.
    - Review and approve all documents relevant to the project construction.
    - Review and approve all documents relevant to commissioning and testing of all the power plant equipment.
    - Issue non-conformance reports.
    - Review engineering documentation issued for construction.
    - Ensure Installations conform to Project Codes and Standards.
    - Raise technical queries where necessary.
    - Witness hydraulic and /or pneumatic tests according to Project Specification.
    - Progress reporting.
    - Attend Progress meetings.
    - Liaise with Site Management on issue Mechanical Work Completion Certificate.
    - Responsible for ensuring that the project deliverables are meeting with the contract specifications.
    - Arrange and coordinate final punch list activities.
    - Review the adequacy of punch list.
    - Monitor final completion of work.
  - Secondary responsibility (Mechanical Maintenance Engineer at Burullus Combined Cycle Power Plant (4x1200MW):
    - Develop maintenance schedules and enforce them among maintenance staff.
    - Respond to emergency calls for maintenance.
    - Manage the set up and take down of different events.
    - Perform troubleshooting to solve minor repair issues.
    - Communicate plans for upper level improvements to maintenance worker staff.
    - Contact and schedule repairmen and extra help as needed.
    - Perform administrative tasks as required.
    - Delegate tasks to meet maintenance schedule and satisfy employer needs.
    - Developing maintenance procedures and ensuring implementation.
    - Carrying out inspections of the facilities to identify and resolve issues.
    - Plan and oversee all repair and installation activities.
    - Monitor equipment inventory and place orders when necessary.
    - Monitor expenses and control the budget for maintenance.
    - Manage relationships with contractors and service providers.
    - Keep maintenance logs and report on daily activities.

- Identify areas for improvement and assign workers to take care of issues.

**Dates** : From Oct. 2016 till Apr. 2017  
**Employer** : EGYPTIAN ELECTRICITY HOLDING COMPANY AND SIEMENS AG  
**Job Description** : MANAGEMENT AND MAINTENANCE TRAINING OF COMBINED CYCLE POWER:

- Training for maintenance management engineers with SIEMENS AG regarding Siemens Mega projects in Egypt (3x4800MW).
- Management and maintenance training of combined cycle Power Plant (2+1), 1200MW, including (Gas turbine (8000 H) and it's auxiliaries, Steam Turbine and it's auxiliaries, Generators and HRSG) basic and maintenance training with SIEMENS AG.
- Training details and schedule are available upon request.

**Dates** : From Jun. 2013 till Oct. 2016  
**Employer** : West Delta Electricity Production Company (WDEPC)  
**Project** : Abu Qir New Power Plant (2x650MW)  
**Job title** : Boiler Maintenance Engineer  
**Job Description** :

- Provide Engineer functions in support of department activities to ensure the safety, maintenance and compliance with legislation of Boiler mechanical equipment.
- Prepare inquiry documentation for contract works as requested and assist in the development of recommended spares for new equipment in order to ensure that stock handling is efficient and effective.
- Assist in the development of short, medium and long term maintenance strategies and update and issue Procedures, Risk Assessments in order to ensure that all repair / maintenance works are carried out to the relevant code specification.
- Ensure the periodic and preventative maintenance are appropriately scheduled and accomplished and that emergency troubleshooting and maintenance support are readily available as needed.
- Analyze Plant issues and failure data as collected by both the Service and Operations groups to establish trends and find the key problem areas.

**Dates** : From Feb. 2011 till Jun. 2013  
**Employer** : West Delta Electricity Production Company (WDEPC)  
**Project** : Abu Qir New Power Plant (2x650MW)  
**Job title** : Boiler Construction & Commissioning Engineer  
**Job Description** :

- Review of Project specifications, design and all relevant documents in accordance with the contract.
- Follow all jobs done in site related to boilers construction including (piping and Equipment installation) and Desalination units (MED units) installation and their accessories.
- Monitor the construction process and perform field investigations.
- Witnessed Boiler tests (hydro test, leakage test ....etc.).
- Review the Erection Completion Certificates with the verification of the End of Erection Reports.

- Follow and assist in performing Chemical cleaning and passivation processes.
- Steam blowing:
  - Construct all the recommended temporary pipes and valves needed and install all temporary pipe supports according to standards and designer's drawings. And assist in performing the process.
  - Witnessed and assist in boiler equipment tests, commissioning and start-up.
  - Witnessed and reviewed the power plant performance test.

- Field of experience :**
- Mechanical Engineer with more than 7 years experience in Quality Assurance/Quality Control inspections on Power construction projects.
  - Primary inspection responsibilities are monitoring, supervising and appraising the Contractor's/Sub-contractor's fabrication, construction, maintenance and repair performances in the area of quality control including evaluation of materials and procedures in accordance to applicable project specifications.
  - Such inspection responsibilities include monitoring and checking the quality works in the areas of mechanical, structural, piping, welding, pressure vessels, pipelines, tanks, insulation, non-destructive testing.
  - Prepare inspection reports and issue non-conformance reports as required.
  - Other responsibilities are support to commissioning of plant and equipment utilities, preventive and predictive maintenance, condition monitoring, failure analysis, assist in the implementation of safety and environmental protection programs; and provide data required on project progress.