

Holds a B. Sc. in Mechanical Power Engineering and has about 14 years hands-on experience working in commissioning & maintenance for rotating equipment as GTC, STG and reciprocating compressor.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 20/02/1984  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2006

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Primavera P6

## **TRAINING COURSES AND CERTIFICATIONS**

- : PMP course & Primavera (P6), New Horizons Computer Learning Centers of Alexandria.
- : Operation Training on Siemens CTG V94.3A, Nubaria Power Station.
- : Mechanical Maintenance Training, Nubaria Power Station.
- : Operation Training on Combined Cycle, Nubaria Power Station.
- : Operation Training on Switchyard, Nubaria Power Station.
- : Training course in the field of occupational safety and health, Nubaria Power Station.
- : Confined space, working at height, gas test, PA, N2 awareness by BP & BECHTEL.
- : BP online courses: P&ID Assessment, Introduction to Isolations, Upstream eCoW Module 3 Isolations Try Me, Introduction and P&ID symbols, Upstream Cow Isolator Process, Mintra: Nitrogen Awareness, Upstream eCoW Module 3 Isolations Main Module, Valve Isolation, Mintra: Toolbox Talks.

- : I&C Operator and Maintenance Course on Siemens CTG V94.3A, Nubaria Power Station.
- : Basic Operation Training on Siemens CTG V94.3A, Nubaria Power Station.
- : Training course in the field of maintenance management and inventory control (Amplissima), Talkha Power Station:
  - Work Order Module Functions.
  - Preventive Maintenance Module Functions.
  - System Administrator Functions.
  - Plant Module Functions.
  - Document Module Functions.
  - Store Module Functions.
  - Purchasing Module Functions.
  - Report Generator Functions.
- : Training course in the field of maintenance management and inventory control (EMPAC), Abu Qir Power Station.
- : Basic training on maintenance of INITEC mechanical equipment: Waste water treatment system / Circulating, condensate, pumps / service, closed cooling pumps (Nubaria).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2018 till Dec. 2021
- Employer** : Carlo Gavazzi Egypt Company with British Petroleum
- Project** : West Nile Delta Onshore Gas Terminal at Idku City (GF & Raven sites)
- Job title** : Mechanical Commissioning, Process ISO (Isolator) & Maintenance Engineer
- Job Description** :
- ISO responsible for:
    - Apply IDP (Isolation and De-isolation plans) according to control of work procedure.
    - Demonstrating Isolation integrity to the PA before work begins.
    - Demonstrating Zero energy immediately before breaking containment.
    - Monitoring the integrity of isolation throughout their life cycle.
    - De-Isolation in accordance with the IDP.
  - Mechanical Completion: MC walk down, checking the equipment and construction according to P&ID, recording punch list, clarification of punch list and system handover (SH) to operation with mechanical completion team.
  - For Commissioning and Maintenance Activities:
    - Witness with Saknafta Perform piping pre-commissioning procedures such as hydrostatic test, leak test, flushing and air blowing.
    - Doing commissioning tests & starts up for all auxiliary equipment's and systems of the plant as per BP procedures.
    - Commissioning, start-up & operation activities on Raven flash gas compressors train 1 & 2 (NEUMAN & ESSER RECIPROCATING DOUBLE ACTING COMPRESSOR).
    - Make sure all the technical documents necessary for commissioning of different units are available with commissioning team as per BP procedures and COW.
    - Make sure that the work is executed safety as per BP& Bechtel requirements, minimized risks and incidents by strictly adhering to

- regulations, safety rules and codes.
- Doing ITRs (Inspection test record) of solo run and dynamic load run test for all rotating Equipment.
- Charging the pulsation dampers and accumulators for the pumps (suction & discharge with N2 at different pressures).
- Witness for final alignment for rotating equipment.
- Dynamic commissioning for HPU (hydraulic power units) for XZV & BDZV valves.
- Ensuring that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Corrective Maintenance and Preventive Maintenance for all rotating Equipment at the site (GT & STG, Pumps, Compressors, Fans).
- Overhauling for 2 Separator Skid (Centrifuge Skid).

<b>Dates</b>	:	From Aug. 2017 till Oct. 2018
<b>Employer</b>	:	EL-SEWEDY ELECTRIC PSP
<b>Project</b>	:	BENI SUEF Combined Cycle Power Plant (4800MW)
<b>Job title</b>	:	Senior Commissioning & Maintenance Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Doing commissioning tests &amp; start-up for all auxiliary equipment's and systems of the plant.</li> <li>• Pre-commissioning scope for oil flushing of base module skid and Hydraulic skid 4 units STG (400MW).</li> <li>• Make sure all the technical documents necessary for commissioning of different units are available with commissioning team.</li> <li>• Be aware of commissioning schedule of the site and accordingly divide the work through comm. team and allocate needed resources such as manpower and tools.</li> <li>• Supervise the commissioning and startup engineering activities for Gas Turbine.</li> <li>• Supervise commissioning activities of chemical cleaning, the steam blow of NEM HRSG.</li> <li>• Perform piping pre-commissioning procedures such as hydrostatic test, leak test, Pneumatic test, flushing and air blowing.</li> <li>• Doing ITR of solo run and dynamic load run test for all rotating Equipment.</li> <li>• Coordinate / execute systems completion activities required for systems completion plans and protocols.</li> <li>• Reviewing drawings and specifications to ensure a thorough understanding of plant operational and safety related issues.</li> <li>• Applying the project Commissioning Plan in the execution of the work.</li> <li>• Conduct meeting with commissioning manager to review testing, commissioning progress and HSE conformance on daily and occasionally more frequent basis as well as meetings with the vendors to resolve any equipment related problems.</li> <li>• Ensuring that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.</li> <li>• Conduct commission ability reviews of project documents.</li> <li>• Ensure all construction activities are completed prior to taking up the system for commissioning.</li> </ul>

- Overhauling inspection for service pump in the plant (Vertical sump VS3 pump).
- Assist in Major overhauling inspection for GTC for SIEMENS STG6-8000H.

**Dates** : From Mar. 2017 till Jul. 2017  
**Employer** : Petromaint  
**Project** : EMETHANEX site (oil and gas) (TAR Project)  
**Job title** : QC/QA (AUDIT) Rotating Engineer  
**Job Description** :

- Preparing the check list of all rotating assets according to the job plan of all assets.
- Fact finding for all rotating equipment.
- Preparing issue log for all finding.
- Preparing close out report.

**Dates** : From Aug. 2016 till Feb. 2017  
**Employer** : PowerServ  
**Project** : Abu Qir Power Station  
**Job title** : Mechanical Construction & Commissioning Engineer  
**Job Description** :

- Erection, commissioning for 2 boilers feed water pump HP/IP (as making modification of construction for 2 Pumps type KSP instead of Sulzer Pump).
- ITR of solo run and dynamic load run test for the pump.

**Dates** : From Feb. 2015 till Apr. 2016  
**Employer** : PowerServ  
**Project** : Sharm El-Sheikh Project (Fast Track Project)  
**Job title** : Mechanical Construction, Commissioning & Start-up Engineer  
**Job Description** :

- Erection, commissioning for 6 units (Turbine base and generator base 48MW) (GE LM6000) and it's auxiliaries.
- Supervise the commissioning and start-up engineering activities for 6x48MW Gas Turbines.
- Supervise the startup engineering activities.
- Responsible for the start-up and operations activities.
- Supervise and provide technical guidance to personnel assigned within area responsibility.
- Test and starting up for all Skids relating to GTs.

**Dates** : From Jun. 2008 till Feb. 2015  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (3x750MW) Power Station:

- Two modules, each module consists of:
  - Two Siemens CTG 250MW type V94.3A.
  - Two horizontal Alstom HRSGs.
  - One Mitsubishi STG 250MW (HP, IP, LP).
- One module consists of:
  - Two GE CTG 250MW.
  - Two horizontal STF HRSGs.

- One Alstom STG 250MW (HP, IP, LP).
  - 220KV switchyard, 500KV switchyard.
  - Four tie transformers 500/220KV.
  - Medium and Low Voltage Switchgears.
  - 8 outgoing circuits 220KV, 2 outgoing circuits 500KV.
- Job title** : Mechanical Commissioning & Maintenance Engineer (Modules I, II, III)
- Job Description** :
- Assisted in CI inspection for GE gas turbine frame FA9001 (250MW), I worked with TA of GE company.
  - Assisted in warranty inspection for GE gas turbine frame FA9001 (250MW), I worked with TA of GE company.
  - Assisted in inspection for GE farm FA9001 (250MW) generator, I worked with TA of GE company.
  - Assisted in Major inspection for GE gas turbine frame FA9001 (250MW), I worked with TA of GE company.
  - Assisted in minor inspection for Siemens gas turbine V94.3A (250MW), I worked with Siemens group.
  - Assisted in hot gas path inspection for Siemens gas turbine V94.3A (250MW), I worked with Siemens Team.
  - Assisted in major inspection for Siemens gas turbine V94.3A (250MW), I worked with Siemens group.
  - Assisted in Erection of wet compression system for 2 unit Siemens gas turbine V94.3A (250MW).
  - Assisted in minor inspection for Mitsubishi steam turbine (250MW), I worked with TA of Mitsubishi Company.
  - Assisted in warranty inspection for Mitsubishi steam turbine (250MW), I worked with TA of Mitsubishi Company.
  - Assisted in inspection and maintenance for 2 overhead cranes (120 Tons).
  - Assisted in mechanical store as Material Control Engineer for companies (Siemens, Mitsubishi, initec, KSB, KUHNEZUG, .....).
  - Follow up the maintenance activities for the gas and steam turbine.
- Field of experience** :
- Worked in NEA, GE, Siemens compressor (neuman & esser), gas turbines (GE 9FA, LM6000), Siemens (V94.3A, STG6-8000H, ST50...) and Mitsubishi, Alstom STG.
  - Maintenance, customer service, repair and special projects.
  - Mechanical Commissioning & Maintenance Specialist with about 14 years of experience in performing repairs, commissioning and maintenance on Rotating Equipment and systems to prevent failures and maximize performance focused on using technical documentation and instructions to verify proper use of procedures specific to all rotating equipment at the site.