

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in Power Stations. Has over 14 years experience working in operation, commissioning and start-up at Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/10/1986  
Gender : Male  
Marital Status : Married  
Residence : Mahmoudia

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2008  
: Diploma in Power Stations, Kafr El-Sheikh University, 2017

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

## TRAINING COURSES AND CERTIFICATIONS

: Basics of Project Management, International Business Management Institute (IBMI), Germany (Nov./Dec. 2022).  
: Risk Assessment, Engineering Safety Center, Egypt (Sep. 2022 – Dec. 2022).  
: OSHA General & Construction Industry, Engineering Safety Center, Egypt (Sep. 2022).  
: PMP, Arab Academy for Science, Technology and Maritime Transport, Egypt (Feb. 2016 – Apr. 2016).  
: MHI:

- GT auxiliary's start-up and commissioning.
- Generator systems.
- Vibration monitoring systems.

  
: SIEMENS:

- General information in reading switch-gear type 8DN9-2.
- Functionality of circuit breakers.
- Basic information about partial discharge in GIS.

- : NEM:
  - HRSG operation and maintenance.
  - HRSG controls and instrumentation.
  - HRSG water chemistry and safety.
- : ANSALDO: ST, generator and condenser operation and maintenance.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2019 till now
- Employer** : Middle Delta Electricity Production Co.
- Project** : EI-Atf 750MW Power Station
- Job title** : Shift Charge Engineer
- Job Description** :
- 2x250MW M701F MITSUBISHI gas turbine start-up, operation and shut down.
  - 2 NEM HRSG start-up, operation and shut down.
  - 250MW ANSALDO steam turbine start-up, operation and shut down.
  - Follow up HV equipment such as compressors, power generator 320 MVA and transformer 300 MVA.
  - Follow up SIEMENS 6KV switch-gear, relay room and GIS.
  - Testing, troubleshooting and perform basic repair on all types of equipment.
  - Manage and Lead the Engineers and Technical Groups of GT, ST and HRSG.
  - Familiar and Complies with the Power Station Mission and Standards in Performing Maintenance Activities.
  - Maximize Operation Team Potential with a Balanced Focus on Operations, Employee and Managers Satisfaction.
  - Represent the Operation Department during the Daily Morning Meetings.
  - Able to Priorities, Plan, Schedule, Assign and Supervise the Operation Engineering Department Staff.
  - Ensure that all Activities in the Day-to-Day Operation are Carried out in a safe Manner for Personnel and Equipment.
  - Able to Priorities the Maintenance Issues to Prevent the Breakdown of Power Station.
  - Communicate with Different Departments to Provide them with Information and Assistance.
  - Responsible to Take Decisions when the Assistant Manager isn't Available.
  - Able to Complete the Daily Checklist Before Handing Over the Shift.
  - Perform Any Other Job Assigned by the Management when Required.
  - Adhere to all Company Policies and Procedures at all Times (EHS, Quality, HR, Finance, etc.).

- Dates** : From Jun. 2012 till Dec. 2018
- Employer** : Middle Delta Electricity Production Co.
- Project** : EI-Atf 750MW Power Station
- Job title** : Operation Engineer (Local & Control Room)
- Job Description** :
- 2x250MW M701F MITSUBISHI gas turbine start-up, operation and shut down.

- Follow up, Commissioning and Start-up for GT Auxiliaries (Generator, Lube oil, Control Oil, Seal Oil, Air Intake System, Fuel Gas System, Instrument and Services Air System).
- Follow up and Operation the Gas Compressors and Turbine Cooling Air system.
- Follow up and Operation of Heat Exchangers for Demi and Service Water.
- Monitor and Check Operation Condition of GT Equipment and Record Process.
- Parameter in Local area or in Control Room.
- Follow up and Carry out GT Routine Activities as per Approved Schedule.
- Carry out Mechanical and Electrical Isolation for Equipment in Safe Manner.
- 2 NEM HRSG Start-up, Operation and Shut down.
- Follow and Start-up for Combined Cycle Auxiliaries such as (Closed Cooling, Condensate, Feed Water and Circulating Cooling System).
- Follow up, Commissioning and Start-up for HRSG Auxiliaries (HP/IP & IP Pumps, Condensate Pump and by Pass System).
- Perform Air Blowing for HRSG Pipes According to Procedure.
- Perform Water Flushing and Chemical Cleaning for HRSG Pipes.
- Maintain Levels, Temperatures and Pressures of HP, IP, LP Drums and Feed Water Tank.
- Quick Dealing with the Steam Valves, Water Compensation Valves and Blowing Valves when Needed.
- 250MW ANSALDO Steam Turbine Start-up, Operation and Shut down.
- Follow up, Commissioning and Start-up for ST Auxiliaries (Generator, Lube Oil, Control Oil, Seal Oil, Lifting Oil, Condenser, Vacuum System, Gland Steam System and Heat Exchangers).
- Follow up, Commissioning and Start-up for Firefighting System (Jokey Pump, Electrical Pump and Diesel Fire).
- Follow up for 6 KV Switch Gear and Relay Room.
- Follow up Main, Auxiliary and Excitation Transformers for GT and ST.
- Follow up the Day-to-Day Operation Activities in Safe Manner for Personals and Equipment.
- General Housekeeping, Isolation and Preparing of Equipment for Maintenance.
- Continuously Monitoring of Running and Static Equipment During the Shift.
- Follow up and Deal with Alarms in Control Room.
- Troubleshoot and Analyze Operation Conditions During the Shift to Maintain the Optimal Operation.
- Collecting Data and Identify Problems and Seek Appropriate Solutions.
- Liaise with Other Operators and Flexible to Work in Any Areas.
- Perform Periodical Test and Make Change Over for Equipment.
- Analyze Equipment Efficiency and Check the Validity of Stand by Equipment.
- Assist Operation Staff on Daily Basis to Achieve the Optimum Operation Conditions for the Power Station.
- Able to Complete the Daily Checklist Before Handing Over the Shift.
- Perform Any Other Job Assigned by the Management when Required.

- Train Field Operators in all Aspects of Control Room Operator's Position.
- Work Overtime When Required and Instructed by Management.

**Dates** : From Oct. 2009 till Apr. 2012  
**Employer** : Egyptian Armed Forces  
**Project** : Military Service  
**Job title** : Head of the Department of Arms, Ammunition and Heavy Equipment Repair  
**Job Description** : Repair and maintenance of weapons, ammunition and heavy equipment.

**Dates** : From Nov. 2008 till Sep. 2009  
**Employer** : Kahromika  
**Project** : El-Atf Power Station 750MW  
**Job title** : GT Commissioning Engineer  
**Job Description** :

- 2x250MW M701F MITSUBISHI gas turbine start-up, operation and shut down.
- Follow up hydro-test for lube oil, control oil and natural gas lines.
- Follow up and flushing commissioning for lube oil, control oil and natural gas lines.
- Follow up, commissioning and start-up for GT auxiliaries.
- Make solo run test for pumps.
- Cold and hot commissioning for fuel gas valves stroke.
- Cold and hot commissioning for IGV valve stroke and blade valves.

**Field of experience** :

- Excellent mechanical skills for working to strict deadlines within technically demanding needs.
- Experience in major projects of power plants includes installation, commissioning and operation for gas turbine, steam turbine, HRSG and related auxiliaries.
- All aspects of commissioning, start-up and operation for all mechanical equipment (static and dynamic) to be according client contract specification and manufacture requirement.