

Holds an Industrial Diploma and has about 15 years experience working in maintenance, commissioning and start-up at Power Stations.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 20/03/1978  
Gender : Male  
Marital Status : Married  
Residence : Currently UAE

## EDUCATION

: Mechanical Industrial (Grinding – Machining) (three years)

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Apr. 2021 till now  
**Employer** : ELSEWEDY POWER (ESP) (via EGYPTROL Company)  
**Project** : Layyah Combined Cycle Power Plant (SEWA), UAE  
(1026MW 2x2x1 combined cycle consisting of: 2 Gas Turbines, 1 Steam Turbine MHPS)  
**Job title** : Mechanical Commissioning & Start-up Technician  
**Job Description** : Carry out all commissioning and pre-commissioning activities of:

- Two Gas Turbine lube oil flushing.
- Two Gas Turbine Control oil flushing.
- Fuel Gas system air blowing.
- Closed cooling system water flushing.
- Three Gas compressors lube oil flushing.
- Fuel oil flushing.
- Solo running test and Heat running test for motors and pumps.

**Dates** : From 2008 till Apr. 2021

**Employer** : Middle Delta Electricity Production Company (MDEPC)

**Project** : Nubaria Combined Cycle (3x750MW) Power Station

**Job title** : Mechanical Maintenance Technician

**Job Description** :

- Worked as Mechanical Fitter at New Capital Power Plant (Cairo Electricity Production Company) (Aug. 2017 – Oct. 2017) in:
  - Disassemble the turbine bearing (to modification) Siemens Modules 8000H in the New Capital Power Plant (from 1 Aug. to 30 Oct. 2017).
  - Assemble the turbine bearing Siemens Modules 8000H in the New Capital. Where I have involved for modification on GT bearing seal at GT 31 & 32.
  - Maintenance cooling tower fans in the New Capital Power Plant.
- For Nubaria Power Station in:
  - Follow the operation activity in local for GE gas turbine frame FA9001 (250MW).
  - Assist in CI inspection for GE gas turbine frame FA9001 (250MW) I worked with supervisor GE company of that inspection in:
    - ❖ Changing cap assembly, combustion linear, transition piece.
    - ❖ Removing flow sleeve, crossfire tubes, fuel nozzle casing.
    - ❖ Make clearance checkup for VIGV by taking backlash, inner bearing clearance & gap between VIGV and bearing casing (body).
  - Participate in warranty inspection for GE gas turbine frame FA9001 (250MW) I worked with GE's technical advisor company of that inspection.
  - Participate in Major inspection for GE gas turbine frame FA9001 (250MW) I worked with GE's technical advisor company of that inspection.
  - Assist in major inspection (LTE) for 4 units SIEMENS gas turbine.
  - Assist in minor inspection for 4 units Siemens gas turbine V94.3A (250MW) I worked with Siemens group of that inspection in:
    - ❖ Chemical cleaning for burners.
    - ❖ Changing of ceramic tiles of combustion chamber.
    - ❖ Visual inspection of turbine & compressor blades.
  - Assist in hot gas path inspection for 4 units Siemens gas turbine V94.3A (250MW) I worked with Siemens group of that inspection in:
    - ❖ Removing the outer casing in the turbine section.
    - ❖ Lifting off upper sections of the turbine stationary blades carrier.
    - ❖ Rolling out the lower section of the turbine stationary blades carrier.
    - ❖ Removing blades / vans for refurbishment / replacement.
    - ❖ Chemical cleaning for burners.
    - ❖ Changing of ceramic tiles of combustion chamber.
    - ❖ Check clearance for 1<sup>st</sup> stage compressor & 4<sup>th</sup> stage turbine blades.
    - ❖ Removing and inspection fuel oil and fuel gas stop and control valves and make passing test for all valves.
  - Assist in major inspection for 4 units Siemens gas turbine V94.3A

(250MW) I worked with Siemens group of that inspection in:

- ❖ Chemical cleaning for burners.
- ❖ Changing of ceramic tiles & damage ceramic heat shield of combustion chamber.
- ❖ Visual inspection of compressor blades.
- ❖ Check the axial & radial clearance for blades.
- ❖ Removing the outer casing in the turbine section (Casing 3).
- ❖ Removing the casing of combustion chamber (Casing 2).
- ❖ Removing the compressor casings (casing 1, 2 comp).
- ❖ Lifting off upper sections of the turbine stationary blades carrier.
- ❖ Lifting off lower section of the turbine stationary blades carrier.
- ❖ Removing old blades/vans for refurbishment /replacement for all turbine & compressor.
- ❖ Lifting the rotor form horizontal position to vertical one.
- ❖ Des-tacking the rotor.
- ❖ Make NDT for all critical places (as slots of the blades of the compressor & turbine disks).
- ❖ Make alignment between the gas turbine & and generator shaft.
- ❖ Make oil flushing.
- ❖ Removing and inspection fuel oil and fuel gas stop and control valves and make passing test for all valves.
- ❖ Removing fuel oil pumps and makes inspection of internal parts and reassembly again and make alignment for the pump.
- ❖ Removing hydraulic oil pump and make inspection of internal parts and reassembly again.

- Assist in minor inspection for Mitsubishi steam turbine (250MW)  
I worked with supervisor Mitsubishi Company of that inspection in:

- ❖ Make oil flushing as:
  - Cleaning of oil storage tank.
  - Oil transfer to oil storage tank.
  - Cleaning of main oil tank.
  - Oil transfer to main oil tank.
- ❖ Cleaning and inspection of oil purifier.
- ❖ Cleaning and inspection of oil cooler.
- ❖ Inspection and cleaning of water chamber for condenser.
- ❖ Inspection and cleaning of hot well for condenser alignment check for pumps (vacuum pump, oil pump etc.).

- Assist in Major inspection for Mitsubishi steam turbine (250MW)  
I worked with supervisor Mitsubishi Company of that inspection in:

- ❖ Removing upper casing for HP - IP turbines.
- ❖ Removing upper casing for LP turbine.
- ❖ Removing the stationary blades diaphragms.
- ❖ Lifting off the rotor.
- ❖ Inspection for internal prates.
- ❖ Check the axial & radial clearance for blades.
- ❖ Make alignment for HP-IP & LP and generator shaft.
- ❖ Removing the control valves & stop valves and check for internal parts.
- ❖ Make oil flushing.
- ❖ Cleaning of oil storage tank.

- ❖ Oil transfer to oil storage tank.
- ❖ Cleaning of main oil tank.
- ❖ Oil transfer to main oil tank.
- ❖ Cleaning and inspection of oil purifier.
- ❖ Cleaning and inspection of oil cooler.
- ❖ Inspection and cleaning of water chamber for condenser.
- Inspection of Generator for Mitsubishi steam turbine 250MW.

- Further experiences :**
- 15 years solid experience in Mechanical Maintenance of Power Plant industry.
  - Strong understanding with different EPC in power generations.
  - Well-exposed and experienced in the Maintenance and operation of the following:
    - Rotating Equipment Maintenance & Operation.
    - Turbine Mechanical Maintenance for the following types:
      - ❖ Four Siemens Gas Turbines (250MW).
      - ❖ Four Alstom Horizontal HRSG.
      - ❖ One Mitsubishi Steam Turbine (250MW).
      - ❖ Two GE CTG 250MW.
      - ❖ Two horizontal STF HRSG.
      - ❖ One Alstom STG 250MW (HP, IP, LP).
    - Assist in major inspection for Circulating water pumps, service water pumps and Traveling screen systems:
      - ❖ Solid knowledge and experiences on Major for circulate water pumps Type: (100C1PPAS155), Termomecconico Pump.
      - ❖ Solid knowledge and experiences on Major for Service Water Pumps Type: KSB.
      - ❖ Solid knowledge and experiences on Major inspection for Traveling screen systems.
  - Highly knowledgeable in:
    - 220KV switch yard, 500KV switch yard.
    - Medium and Low Voltage Switch gears.
    - Doing the maintenance schedules (daily – weekly – monthly - ...etc.).
    - Maintenance of the Atlas Copco compressors of the air intake.
    - Cold commissioning of the fuel oil for four units of Nubaria Power Station.
    - Hot commissioning of the fuel oil for four units of Nubaria Power Station.
    - Spare parts of V94.3A (2) gas turbines.
    - Special tools of the V94.3A (2) (SGT-4000F) gas turbines.