

Has over 10 years' experience working as Mechanical Technician at several Power Plants and other industrial projects. Carried out maintenance on various types of Static Equipment such as Pump, Compressor, Valves, Heat Exchanger, Column, Gear Box, Vessels, etc.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/02/1994  
Gender : Male  
Marital Status : Married  
Residence : El-Minia

## **EDUCATION**

: I.T.I. Examination (Fitter), 2013

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: Successfully completed Certificate Training of EHS at Site Skill Training Center, Egypt, Sponsor by AC Boilers.  
: Hytorqe Bolting.  
: Precision Tools Measurement.  
: Rigging.  
: Flange Tightening.  
: Tune Bending.  
: FME.  
: Basic First Aid.  
: Permit to Work.  
: Confined Space Entry.  
: Work at Height.  
: Fire Fighting.

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Aug. 2022 till now  
**Employer** : Canal Sugar  
**Job title** : Mechanical Technician

**Dates** : From May 2022 till Aug. 2022  
**Employer** : Baker Hughes (GE)  
**Project** : Gulf Petrochemical Company in Bahrain  
**Job title** : Mechanical Technician

**Dates** : From Apr. 2021 till Apr. 2022  
**Employer** : EMC (Egyptian Maintenance Company)  
**Project** : ASORC - Assiut Oil & Gas Refining Company  
**Job title** : Mechanical Technician

**Dates** : From Aug. 2020 till Apr. 2021  
**Employer** : El-Maged Group  
**Project** : Golden Oil (vegetable oil extraction refining)  
**Job title** : Mechanical Technician

**Dates** : From May 2018 till Apr. 2019  
**Employer** : [EGYPTROL](#), AC Boilers Subcontractor  
**Project** : South Helwan Supercritical Power Plant 3x600MW  
**Job title** : Mechanical Technician  
**Job Description** : Commissioning (GR FAN / FD FAN / BURNERS / Valve / steam blow).

**Dates** : From Aug. 2017 till May 2018  
**Employer** : Elkrom  
**Project** : New Capital Steam and Gas Turbine 2x400MW  
**Job title** : Mechanical Technician  
**Job Description** : Maintenance, install and coupling steam turbine, gas turbine, pump and valves.

**Dates** : From Apr. 2017 till Jul. 2017  
**Employer** : Orascom Construction  
**Project** : Assiut Combined Cycle  
**Job title** : Mechanical Technician  
**Job Description** : Install and coupling steam turbine.

**Dates** : From May 2016 till Mar. 2017  
**Employer** : [EGYPTROL](#)  
**Job title** : Mechanical Technician

**Dates** : From Feb. 2015 till Apr. 2016  
**Employer** : Orascom Construction  
**Project** : Assiut Power Plant Gas Turbine 8x125MW  
**Job title** : Mechanical Technician  
**Job Description** : Maintenance, install and coupling steam turbine and pumps.

**Dates** : From Jun. 2014 till Jan. 2015  
**Employer** : UHDE  
**Project** : Hydrocarbon, Ain Sokhna  
**Job title** : Mechanical Technician  
**Job Description** : Maintenance, install and coupling pumps.

**Dates** : From Mar. 2013 till Mar. 2014  
**Employer** : Italcementi Group  
**Project** : Cement, El-Minia  
**Job title** : Mechanical Technician  
**Job Description** : Maintenance pumps and gearboxes.

**Field of experience** :

- **GAS TURBINES:**
  - Running maintenance and troubleshooting of gas turbine.
  - Carry out combustion inspection (between 8000hrs to 12000hrs).
  - Carry out Hot path gas inspection (between 16000hrs to 24000hrs).
  - Carry out major overhaul with GE vendors (between 32000 hrs to 48000hrs).
  - Carry out compressor crank wash (every 6 months).
  - Fuel nozzle changing at regular intervals.
  - IGV (Inlet Guide Vane) inspection and maintenance.
  - Boroscope inspection at inspection holes at periodic intervals.
  - Monitoring wheel space temperature.
  - Weekly routine readings inspection and etc.
  - Make: Ge frame 5.
- **CENTRIFUGAL PUMPS (MULTI STAGE):**
  - Inspection and renewal of journal bearings.
  - Inspection and renewal of thrust bearings.
  - Setting the axial centering and radial centering of rotor.
  - Checking the bearing clearances and crush of journal bearings using plastic gauges.
  - Setting the axial float of rotor.
  - Checking the run out of rotor at various places by dial indicators.
  - Renewal of impeller and casing wear rings if it's damaged.
  - Setting mechanical seals in various arrangements.
  - Checking and correcting the alignment by reverse dial and rot align (laser) method.
- **RECIPROCATING PUMPS:**
  - Renewal of gland packing.
  - Inspection of big end bearings and small end bearings.
  - Checking the clearance of big and small end bearings.
  - Checking lateral clearance of connecting rod.
  - Checking deflection and float of crankshaft.

- Renewal of suction and discharge valves.
- Alignment of pumps with drivers.
- Troubleshooting of various problems.
- CENTRIFUGAL COMPRESSOR:
  - Inspection and renewal of thrust bearings.
  - Inspection and renewal of liquid film oil seal.
  - Checking clearances of journal and thrust bearings using plastic gauges.
  - Checking clearances of liquid film oil seal.
  - Checking and setting the axial centering and radial centering of rotor.
  - Checking the labyrinth clearances.
  - Checking and setting the axial float of rotor.
  - Checking and correcting alignment by reverse dial method.
  - Make: Mitsubishi, Dresser Rand, Elliot.
- FIN FAN COOLER: Maintenance, Inspection, Troubleshooting and Overhauling; Monthly, Six Monthly & Yearly Preventive Maintenance like Belt Tightening, Pulley Alignment, Blade Angle Setting, etc.
- MECHANICAL SEAL: Make like Sealol, Dura metric, JhoneCrane, etc., worked all types of Seals including Single, Double and Single Spring, Multi-Spring below Type and Proper Rectification of the same.
- ALIGNMENT: Reverse Alignment by Graphical Method & Calculation / Rim & Face Alignment / Laser Optical Alignment.
- STEAM TURBINES (MULTI STAGE):
  - Inspection and renewal of journal bearings / Inspection and renewal of thrust bearings.
  - Checking clearances of journal and thrust bearings.
  - Checking and setting the nozzle clearance of turbine.
  - Checking and correcting carbon seal clearance and labyrinths.
  - Checking the rotor blade tip clearances.
  - Checking and correcting that internal alignment of turbine.
  - Checking and setting the axial float of rotor.
  - Checking and correcting alignment by reverse dial method.
  - Make: Siemens.
- GEAR BOX:
  - (Speed Reduce / Speed Increase).
  - Completely Overhauling with Bearing and Gear Teeth Checking.
  - Bearing Clearance Checking.
  - Run Out of Pinion Shaft (Low Speed / high Speed).
  - Backlash of Pinion and Bull Gear.
  - Bull Gear, Low Speed / High Speed Thrust Checking.
  - D.P. Check of All Bearing and Gears any checked.