

Holds a B. Sc. in Mechanical Power Engineering and has over 17 years hands-on experience, including 7 years working in boiler maintenance at El-Kureimat Power Station.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 22/02/1981  
Gender : Male  
Marital Status : Married  
Residence : Beni Suef

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2003

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD  
: Visual Basic and Fortran programming

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2021 till Jul. 2021  
**Employer** : Canal Sugar Factory  
**Job title** : Piping Engineer  
**Job Description** :

- Follow and review design and assembly Piping work.
- Review and draw as built.
- Check all flanges class.
- Installation all valves.
- Installation all small-bore piping.

**Dates** : From Sep. 2016 till Feb. 2021  
**Project** : South Helwan 3x650MW Steam Cycle  
**Job title** : Area Engineer

**Job Description** : 

- Follow the process of installing the boilers (piping -fans - steam coil - Air Preheater - pumps) by (AC Boiler).
- Follow and review design and assembly Piping work.
- Review and draw as built.
- Check all flanges class.
- Installation all valves.
- Installation all small-bore piping.
- Review all lifting plan.
- Check all fabrication pipe at workshop.
- Review piping progress Installing (fans – steam coil – Air Preheater – pumps) by (AC Boiler).

**Dates** : From Jun. 2009 till Aug. 2016

**Project** : EI-Kureimat Power Station 2x627MW steam cycle

**Job title** : Mechanical Boiler Maintenance Engineer

**Job Description** : 

- Carrying out overall maintenance for the boiler (627MW).
- Maintenance of fans: (forced draft fan - gas recirculation fan - seal air fan - flame scanner fan - stack fan) check the spare parts and check inboard & outboard Bearing and change the outboard bearing & oil rings for forced draft fan and make Alignment for fans & check the coupling and greasing it.
- Air pre-heater: change the cold and hot basket & change and adjust the radial and axial seal & check the upper and lower bearing and change the failed upper bearing & free wheel and air motor for air pre-heater.
- Steam Coil Air Heater: test the steam coil air heater leakage and repair or Change it.
- Furnace inspection: Check the surface of the coils & make chemical cleaning if it necessary to improve Heat transfer gas spuds and igniter repair, oil gun, thermal bricks inspection and change and Carrying on the life assessment for the two boilers with (Institute searching and metal improvement).
- Drum: Check All points of interest in the steam drum for anomalous conditions: corrosion/erosion, cracked welds, and physical distortion / dislocation / movement. The steam drum is also inspected for sludge deposits and the presence of foreign objects.
- Soot blower system: repacking, how to adjust pressure & flow of steam, lubrication & greasing and changing lance & feed tube.
- Fuel additive system: maintenance of dosing and recirc pump, follow up of PH and dosing, and modification which conducted such as filtration, recirculation and anew system installed.
- Valves:
  - (Globe – Gate – Ball – Needle – check – Butterfly - control valve) maintenance & lapping for valves - check the spare parts and change (seat, disk, stem) for valves such as (safety - atomizing - drain - vent - shutoff for gas and oil fuel - deluge v/v for firefighting system) valves.
  - How to calibrate and adjust mechanical safety valves by hydro set test.
- Maintenance of pumps: (centrifugal Pump - Screw Pump - vane Pump - diaphragm Pump - sump pump - submerged pump) such as (reboiler pump, oil fuel pump, air heater wash pump, service water pump, blow

down submerged pump, additive pump) & make Alignment for pumps - check the spare parts and change the (shaft, impeller, mechanical seal, bearing....) for pumps.

- Dampers of wind box: check inlet air damper for the wind box of boiler & change the bearing and maintenance the piston cylinder for it.

**Dates** : From May 2004 till May 2009  
**Employer** : Beni Suef for Insulating and Packing Co.  
**Job title** : Production Engineer