

Holds a B. Sc. in Mechanical Power Engineering and has about 11 years experience working in maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 21/07/1990
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

: B. Sc. in Mechanical Power Engineering, Benha University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Turbo machinery course.
- : AutoCAD 2D
- : Matlab Programming.
- : Water treatment – vibration course (East Delta Electricity Production Company).
- : MPIS (East Delta Electricity Production Company).
- : Protection instruments (East Delta Electricity Production Company).
- : Desalinated (RO) plants and demineralization systems.
- : Piping welding inspection.
- : Training at Miteto and Unidro at UAE (Jan./Feb. 2016): Polisher system and water treatment.
- : Operation and maintenance for steam boilers, AC BOILERS at ITALY, MILANO (Sep./Oct. 2017).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2012 till now
- Employer** : East Delta Electricity Production Co.
- Projects** :
 - Suez Thermal Power Plant subcritical boiler (from 2016 till now)
 - Ain Sokhna Supercritical Power Plant (from 2012 till 2016)
- Job title** : Mechanical Maintenance / Shift Charge Engineer
- Job Description** :
 - Working as Shift Charge Engineer in Suez Thermal Power Plant (1x650MW) with AC Boiler subcritical with a steam drum, firing both natural gas and heavy fuel (mazot)... with Alstom steam turbine (from 2017 till now).
 - Perform commissioning and tube cleaning in Suez Plant and observing all start-up and reliability and all tests for the whole unit (from 2017 till now).
 - Perform commissioning, start-up and operation in Ain Sokhna Supercritical boiler (drum-less) Power Plant (2x650MW) & (500KV) (from 2012 till 2016).
 - Monitoring the performance of operation to ensure optimum delivery from the plant.
 - Perform the functions of a control room operator on the unit.
 - Responsible for safe & reliable operations of the unit.
 - Responsible for monitoring performance to identify operating characteristics and taking necessary actions to prevent failure to optimize reliable and maximum efficiency to the plant.
 - Perform repair and preventative maintenance when assigned to insure the safe and reliable functioning of the equipment.
 - Review the final issues about P&ID, data sheets and logics according to project modifications and standards.
 - Supervise flushing, chemical cleaning tests and hydro tests - Commissioning for:
 - Water and steam cycle.
 - Air and exhaust system.
 - Natural gas leak tests and heavy oil firing systems.
 - Supervising water coming from tanks to the closed cycle and ensure safe start-up for all rotating equipment and water analysis should be within requirement allowable.
 - Steam blowing and follow runback tests and house load and load rejections.
 - Check all process and equipment all the shift and send reports if unusual things already exist like vibrations or hammering or leakages to maintenance authorities.
 - Safely operate supercritical boiler, turbine, auxiliaries and a small gas turbine unit start-up and shut down.
 - Very good background of P&ID, logic diagram, function description and operation philosophy.
 - Trainings in operation, commissioning and maintenance by PGESCO Americans instructors.
 - Attend constructions and commissioning and normal operation at sub-critical (drum unit) Suez Thermal Power Plant (1x650MW) & (500KV).
 - Check all equipment as field engineer according to drawings and P&ID.
 - Inspecting products and processes, conducting tests and collecting data.

- Preparing the operation instructions procedures.
- Planning for outage activities.
- Supervising the outage and maintenance activities.
- Preparing and coaching training programs.

- Field of experience :**
- Utility & Commissioning Operation Engineer.
 - About 11 years' experience in commissioning and normal operation, start-up and troubleshooting operation in power plants and water treatment.
 - 4 years start-up and shut down and commissioning in Ain Sokhna Supercritical Power Plant (2012 – 2016).
 - 7 years in Suez Thermal Power Plant subcritical boiler as a Field Engineer and Desk Operator and Shift Engineer (from 2016 till now).
 - Witness inspection with lot of multinational companies through commissioning and start-up, shut down and maintenance like Doosan, Hitachi, Ansaldo Caldaie, Mitsubishi and Alstom.
 - Excellent background about pumps, power stations, combustion engines, turbo machines, AutoCAD, air conditioning, firefighting, heat transfer and fluid mechanics physics.