

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

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/02/1987
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2009

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: PLC basic S7.
: Solid Works
: General English language.
: ICDL
: Training courses in power plant.
: Basic Course of steam power station.
: Advanced Course of steam power station.
: Training courses for Turbo generator operation as performed by GE Steam Turbine Training Center Mannheim, Germany.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2018 till now
Employer : [EGYPTROL](http://www.egyptrol.com), AC Boilers Subcontractor

- Project** : 3x670MW Supercritical South Helwan Power Plant
- Job title** : SCE/CCR Supercritical Boiler Commissioning & Operation Engineer
- Job Description** :
- Start-up & shutdown of Supercritical Boiler for 3x670MW.
 - Attend Boiler commissioning activities such as:
 - Initial operation with heat run tests for all equipment.
 - Boiler Chemical Cleaning Activities.
 - Initial First Firing with NG, Solar and Mazout.
 - Steam Blowing Activities.
 - Initial Turbine Rolling with Related Tests.
 - Initial Synchronization.
 - Load Tests like Load Rejection, and House Load.
 - Monitoring and careful follow-up of all systems for supercritical unit and its auxiliaries in normal and abnormal operations.
 - Making daily technical reports for all activities.
- Dates** : From Sep. 2014 till Sep. 2018
- Employer** : East Delta Electricity Production Company (EDEPC)
- Project** : El Ain El Sokhna Supercritical Thermal Power Station
- Job title** : Shift Charge Engineer
- Job Description** :
- Construction, commissioning and operation 2x650MW Supercritical Steam Thermal Power Station to be connected to the National Unified Power System (NUPS) through the New 500KV GIS Switchyard Facility.
 - Attend and witness all equipment commissioning activities testing, lube oil and control oil flushing, initial operation and heat run tests for all HITACHI & DOOSAN & Intec auxiliaries 2x650MW steam unit (turbine & boiler & auxiliaries).
 - Steam blow.
 - Start-up and shut-down procedures for thermal power plant 2x650MW (Cold, Warm and Hot Start-up and normal or emergency shut-down).
 - (Hitachi) Turbine & auxiliaries operation. And reporting the equipment condition during normal operation.
 - (DOOSAN) Boiler & auxiliaries operation and reporting the equipment condition during normal operation.
 - Testing and changing-over for all Mechanical equipment locally and from control.
 - Making connection and disconnection for electrical circuits of 500KV, 6.3KV and operation of electrical diesel-generators.
 - Making daily technical reports about the unit's abilities & efficiencies.
 - A good working knowledge of industrial safety requirements.
 - Coordinate and supervise all operation activities between all contractors.
 - Participate in issuing procedures systems first start-up and first operation.
 - Perform work permits and equipment lock out tag out.
 - Participate in issuing punish list items.
 - Making daily technical reports about the unit activities.
- Dates** : From Nov. 2009 till Sep. 2014
- Employer** : East Delta Electricity Production Company (EDEPC)
- Project** : Attaka Power Plant

- Job title** : Operation Engineer
- Job Description** :
- Operation Engineer, Start-up and Shutdown of boiler in DCS - Inspect the unit's and its auxiliaries, electrical, mechanical, control and instrumentation equipment condition prior to start-up, during operation and after shutdown.
 - Record all plant/auxiliaries operating data, including all alarms and protective devices being actuated and reports any deviation to the Shift Charge Engineer necessary action.
 - Monitor operation of auxiliaries such as the plant switchgear and performs corresponding switching schedule as directed by the Shift Charge Engineer.
 - Able to operate plant common auxiliaries such as auxiliary boiler, emergency diesel, dematerialized water plant, desalinated water plant and chlorination plant.
 - Responsible for raising fault notification on equipments vital to the continuous operation of the plant.
 - Perform other related duties as may be assigned by immediate superior from time to time.
 - Member of emergency response team.
 - Attend required and non-required training for regulatory compliance as well as personal development.
 - Able to perform equipments testing with maintenance crew after defects rectification.
 - Have to manage and coordinates the fuel unloading process with logistic workers and security team.
 - Control Room (DCS) Process Engineer:
 - Start-up, shut down & safe operation for main boiler and its auxiliaries including: natural gas firing, mazout firing, start-up of aux, boiler, preparation of reboiler system, soot blowing system & chemical cleaning.
 - Start-up, shut-down & safe operation for main turbine (SIEMENS) and its auxiliaries including: lube & control oil system, seal oil & seal steams, condenser vacuum & evacuation systems generator cooling & filling systems, turbine extraction & drains.
 - Start-up, shut down & safe operation for the auxiliaries systems including: feed water system using variable speed turbine driven feed water pumps, condensate water system, closed cooling systems, service water system, circulating water system, compressed air system, Hydrogen plant.
 - Monitor the operating conditions of the power plant systems, record findings and readings.
 - Direct field operator to assist the Shift Supervisor in the safe operation of the facility.
 - Perform inspection of plant equipment, systems and facilities.
 - Responsible for operating plant controls to minimize or eliminate forced outages, curtailments and de-rates.
 - Support and preserve the best thermal performance of the unit.
 - Maintain the unit in compliance with all emissions limitations in accordance with the environmental permits and informs the shift Supervisor if a limit is exceeded.
 - Operate the unit in an efficient manner that will help with

maintaining the heat rate and availability.