

Holds a B. Sc. and a Diploma in Mechanical Engineering and has over 9 years hands-on experience working in operation and start-up at Sidi Krir Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 21/01/1983
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

- : B. Sc. in Mechanical Engineering, Alexandria University, 2006
- : Diploma of Mechanical Engineering (Study of the thermal equipment design and application including heat exchangers, boilers, Insulation; besides heat transfer and Power Station application), Alexandria University, 2013

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : AutoCAD
- : Visual Basic 6
- : Engineering Equation Solver (EES)

TRAINING COURSES AND CERTIFICATIONS

- : SIEMENS Academy, Germany (2012): a training course at spa 3000 to operate our SIEMENS turbine with this new DCS system.
- : Training at Alexandria for Container Handling Co. (2007): had a short knowledge on hydraulic commissioning & dealing with various controlling systems.
- : Training at Alexandria Electricity Co. (2003) as Boiler Maintenance Engineer.
- : Training at ALEX. PETROLUM Co. (2002): training program of Safety precautions, Compressors, Pumps an, pipe lines applications & requirements.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2008 till now
- Project** : Sidi Krir Power Station
- Job Description** :
- Operator Engineer - 2 Units (1x330MW):
 - Start-up, shut-down & safe operation for main boiler (BABCOCK & WILCOX) and its auxiliaries including: natural gas firing, mazout firing, start-up of aux, boiler, preparation of re-boiler 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 steam systems, 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 system, service water system, circulating water system, compressed air system, Hydrogen plant.
 - Start-up, shut-down & safe operation for desalination plant (HITASHI MULTI STAGE CHAMBER 2 x 5000 TON/DAY) including: steam brine heater system, condensate return system, brine recirculation system, blow down system, distillate intake system, ejectors evacuation system & acid cleaning system.
 - 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 inspections of plant equipment, systems and facilities.
 - Responsible for operating plant controls to minimize or eliminate forced outages, curtailments.
 - Support and preserve the best thermal performance of the unit.
 - Field Operator Engineer - 2 Units (1x330MW) (from Jun. 2008 till 2011):
 - Inspect the unit's and its auxiliaries, electrical, mechanical, control and instrumentation equipment condition prior to start-up, during operations 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 perform corresponding switching schedule as directed by the Shift Charge Engineer.
 - Able to operate plant common auxiliaries such as auxiliary boiler, emergency gas turbine, 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.

Field of experience :

- Operating electrical power station components.
- Steam cycle in electricity generation.
- Turbine maintenance.