

Holds a B. Sc. in Mechanical Power Engineering and has over 12 years experience working in operation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 30/04/1987
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2009
: Master degree

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D & 3D
: Matlab

TRAINING COURSES AND CERTIFICATIONS

: Training at Abu Qir Fertilizers Company:

- Saw all steps of producing the ammonia Fertilizers.
- Learned everything about conditions of a safety operation can be achieved.
- Saw everything in the maintenance period like pumps, turbines, compressors and condenser.
- Had a visit to the ammonia storage unit and to the unit of storing old or important equipments.

: English: Toefl Certificate 2014.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2018 till now
Project : 2x250MW MHI gas turbines, 2 HRSG (NEM) and 1 combined ANSALDO steam turbine
Job title : Shift Charge Engineer
Job Description :

- Reporting directly to Operation Manager.
- Auxiliaries like Compressors & pumps (closed cooling, service, circulating, demi water pumps), Steam lines, and underground pipes in SIDI KRIR 750MW Combined Cycle Power Plant.

Dates : From Jan. 2010 till Feb. 2018
Project : SIDI KRIR Power Plant (2x320MW)
Job Description :

- Field Process Engineer:
 - Inspect the unit's and it's 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 perform 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 coordinate the fuel unloading process with logistic workers and security team.
- Control Room (DCS) Process Engineer:
 - 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 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 inform 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.
 - Understand, adhere and comply with the site's Environmental Health & safety program.
 - Attend required and non-required training for regulatory compliance as well as personal development.
- Desalination Plant: Operate Multi Stage Flash Chambers (MSF) (2 x 5000 ton/day): Start-up, shut-down & safe operation for desalination plant (HITASHI MULTI STAGE FLASH CHABER 2 x 5000 TON/DAY) including: steam brine heater systems, condensate return system, brine recirculation system, blow down system, distillate intake system, ejectors evacuation system & acid cleaning system.

Dates : For 6 months
Employer : INTERNATIONAL COAL COMPANY at Borg Al-Arab
Job title : Heavy Machines Maintenance Engineer