

Holds a B. Sc. and a Diploma in Electrical Power Engineering and has over 10 years hands-on experience, including 7 years working as Operation Engineer and 3 years as Maintenance Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/02/1986
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University, 2008
: Diploma in Electrical Power Engineering, Alexandria University

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Training at Petromaint Company (Aug. 2006).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2011 till now
Project : SIDI KRIR Power Plant 2x320MW
Job title : Operation Engineer
Job Description :

- Field Process Engineer:
 - Responsible on safe operation for HV switchgear 220KV and 500KV connect and disconnect the HV circuits with dispatch on Egypt's electricity network.
 - Isolation and de-isolation procedures for unit equipment when the unit in service or the unit in outage for maintenance using safety

- work permits systems.
- 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 equipment 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 equipment 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 (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 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.
 - 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 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.

- 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.
- SIEMENS 2014 Big Outage:
 - I was one of the Operation team that responsible for supervising the maintenance 320MW steam turbines.
 - Assembly and Disassembly for IP & LP turbines and its Casings.
 - Sand Plasting for Those turbines and Casings.
 - Inspecting for Turbines' valves, Bearings and Blades.
 - Welding Tests for Blades, Valves and Bearings.
 - The First Commissioning for this Unit after this Outage for Turbine Systems Lube Oil, Seal Oil, Control Oil and Generator Hydrogen Purge and Charge.

Dates : From Nov. 2008 till Jul. 2011
Employer : SARHAN STEEL
Job title : Maintenance Engineer
Job Description : Responsible of Maintenance of PLC s7-400 – DC Motors – ABB DC Drives DCS550.