

Holds a B. Sc. in Mechanical Engineering and has over 13 years hands-on experience in operation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/12/1975
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Boiler (1100t/hr, 174bar, 540⁰C) by FOSTER WHEELER Co.
: Steam turbine (HIP & LP) by TOSHIBA Co.
: Auxiliary Boiler (50t/hr, 16 bar, 350⁰c) by BABCOCK Co.
: Gas Turbine unit as black start unit (15MW) By TUMA TURBO MACH Co.
: Desalination plants (2 units multi effect type evaporator with 60t/hr capacity) by ENTROPY Co.
: Mixed bed units (2 units with 50t/hr capacity) by METITO Co.
: Condenser, L.P. & H.P. Heaters, priming and vacuum pumps by ALSTOM Co.
: Process and Operation job by E.D.F. Co.
: High and low voltage switch gear (220KV/0.4KV) by ALSTOM Co.
: Medium voltage switchgear (6.6KV) by SCHNEIDER Co.
: Operation of gas reduction station by GAS DE FRANCE Co.
: Simulator Training by E.D.F. Co.
: Fire Prevention and Fire Fighting by ARAB ACADEMY and by E.D.F. Co.

- : Personal techniques and search and rescue by ARAB ACADEMY.
- : Medical First Aid by ARAB ACADEMY and by E.D.F. Co.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2008 till now
Employer : SEC-WR (Saudi Electricity Company Western Region)
Project : SHOAIBA Power Plant (3 stages), 14x400MW

Dates : From Sep. 2001 till Jun. 2008
Employer : E.D.F (Electricité De France)
Project : Suez Gulf Power Plant (2x364MW)

Dates : From Mar. 2001 till Sep. 2001
Employer : MICON Co.
Projects :

- SIDPEC Site
- RASPETCO Site

Dates : From Aug. 1999 till Jan. 2001
Employer : DAELIM Co.
Project : MIDOR (MIDDLE EAST OIL REFINARY) Site

Field of experience :

- Shift Charge Engineer:
 - Responsible for (6*400) MW units to be in normal operation and under LDC request.
 - Manage the operation staff.
 - Perform technical analysis for the defects.
 - Modify all the operating procedure documentation according to the equipments O&M manuals.
 - Tagging authority (preparing all types of safety work permits (lock out, test, hot, confined space, etc.).
 - Responsible for safety and performance of the electrical power plant.
 - Responsible for control room activities (start up, initial operation, shut down, and systems preservation).
 - Participate in daily meetings with Operation, Maintenance and Engineering to discuss maintenance issues, status of plant and plan of action and steps to be taken.
 - Preparing the comments on any future systems expansion or modifications and associated facilities related to the efficient operation of the plant equipment.
 - Contribute and take into account feedback experience.
 - Writing the incident reports and major events reports if needed.
- PTW Coordinator:
 - Prepare Units Overhaul procedures and isolation steps with planner.
 - Locking manager (prepare all types of work permits).
 - Participate in outage meeting with maintenance and plant manager to discuss the status and the steps of units overhaul.

- DCS Unit Operator:
 - Commissioning and start-up experience.
 - Observation of all unit parameters during shift.
 - Operating the steam cycle unit to be in normal operation & under dispatch request.
 - Responsible for Start-up & safe shut down of the unit in all cases (hot, warm & cold).
 - Follow equipments defects & inform maintenance staff to correct the defective equipments.
 - Prepare the isolation & safe conditions for maintenance staff to correct defect in equipments.
 - Ability to work with a team.
 - Implement daily & weekly and monthly periodical tests.
 - Preparing for outage activities (work permits, Master and Slave permits, locking and unlocking sheets, etc.).
 - Preparing and implementing (Cold, Warm & Hot) start-up & (Normal & Forced cooling) shut down procedures.
 - Reporting and analysis of irregularities conditions of all equipments of steam unit.
 - Recommends an improvement on the existing operation system of the plant and assist operation manager if required in any work related activities on Supervision of the field activities and outline strategies.
 - Have a good experience to use the logic diagram.
 - Have an accurate use of CMMS, AVANTIS and SAP systems to manage work request with maintenance.
 - Participate to the briefing and de-briefing.
- Local Operator:
 - Commissioning and start-up experience.
 - Responsible for operating of all types of rotating machines.
 - Record all plant/Aux. operating data including all alarms and protective devices being actuated and reports any deviation to Shift Charge Engineer.
 - 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.
 - Dealing with (Boiler, Turbine, Turbine Auxiliaries, etc.) to be in normal and safe operation.
 - Implement weekly, monthly & yearly periodical tests.
 - Operating power plant Utilities as:
 - Aux. Boiler DEUTCH BABCOCK (50 t/h, 16 bar, two solar burners) (PLC Operation).
 - Desalination water system WEIR ENTROPIE (2 x 60 t/h, multi effect type evaporator) (PLC Operation).
 - Demineralization Plant METITO (2 mixed bed unit 50 t/h per each) (PLC Operation).
 - Hypo Chlorite system (PLC Operation).
 - Gas Turbine for black start service, TUMA TURBOMACH (15MW- 6.6KV, 1500 rpm), Axial Compressors (14 stage, 11197 rpm, r.p =17:1), Combustion Chamber (annular, 21 injectors, torch ignition), Turbine (Reaction, three stages, 1200C).
 - Dealing with fire fighting system (deluge valve, sprinkler, etc.).
 - Dealing with Diesel generator as emergency 1MW.