

Holds a B. Sc. in Mechanical Engineering and has more than 22 years of refinery experience in Utilities Plant Operations included commissioning, Turnarounds Handling, start-up, shutdown and emergency. Well versed with Permit-to-work systems and co-ordination with other department for smooth operation. Excellent HSE records throughout the career.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/04/1974
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Engineering, BANHA Higher Institute of Technology, 1998

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: MAXIMO system
: DCS (Distributed Control System)

TRAINING COURSES AND CERTIFICATIONS

: Knowledge and operation on GIS training by ALSTOM.
: Steam turbine and generator training by TOSHIBA.
: Rectifiers, UPS and battery sources training by SGTE.
: Gas turbine Titan 130LF operation training by TURBOMACH.
: Sea water circulation pumps, boilers high pressure feed pumps and condensate extraction pumps operation training by KSB.
: PHA HazOp leader training by ABS consulting.
: On scene commander training by TAKREER.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2018 till now
Employer : EPROM
Project : New Refinery in EGYPT
Job title : Utility Shift Team Leader

Dates : From Aug. 2017 till Mar. 2018
Employer : GS E&C
Project : New Refinery in EGYPT
Job Description : Refinery Utilities Supervisor in the following units:

- Three High pressure boilers design capacity 100 ton/h.
- Raw & Demi water treatment plant:
 - The design capacity of RWTS will be as below:
 - ❖ Raw water intake 960 ton/h.
 - ❖ DAF unit 960 ton/h.
 - ❖ Pressure sand filter unit 950 ton/h.
 - The design capacity of DWTS as productive will be as below:
 - ❖ U/F unit 726 ton/h.
 - ❖ Recovery U/F unit 80 ton/h.
 - ❖ MB polishing unit 270 ton/h.
- Cooling water system design capacity 20100 m³/h.
- Plant air system design capacity 7300 Nm³/h.
- Nitrogen system two liquid storage vessels have a capacity of 2 x 360m³.
- Waste water treatment plant design capacity 164t/h.

Dates : From Mar. 2005 till Jun. 2017
Employer : TAKREER RUWAIS REFINERY – Abu Dhabi, UAE
Job Description :

- Refinery Utilities Shift Controller in following units:
 - Two High pressure boilers and steam extraction condensing turbines (250t/h of steam generated and with 45MW) for each unit.
 - Waste heat recovery boiler conjunctions with a GE gas turbine mark 5 with maximum steam capacity 150 t/h and 33MW for gas turbine.
 - Two gas turbine GE mark 5 simple cycle with 24 each.
 - Three waste heat recovery boiler conjunctions with three gas turbines (250t/h of steam generated 165MW power generated for each) each.
 - Gas turbine simple cycle 165MW capacity.
 - Two desalination MSF1 & MSF2 unit conjunction with (250t/h of extracted and generated steam turbine with 45MW generated power) capacity for each desalination unit (450m³/h)
 - Two desalination unit MSF4 & MSF5 conjunction with the three-waste heat recovery boiler 250t/h of steam generated capacity for each desalination unit (650m³/h)
 - One desalination conjunctions MSF3 Waste heat recovery boiler steam capacity 150 t/h capacity for the desalination unit (620m³/h).
 - Central environment protection facilities "BeAAT". Waste treatment plant.

- Responsibilities:
 - Control, coordinate and supervise all operational activities in shifts relating to diversified and critical Central Environment Protection Facilities (BeAAT) to safely receive, manage, treat and dispose hazardous waste generated by ADNOC group to ensure HSE are adequately protected.
 - Act as central control to ensure that operation are synchronized at optimum cost in safe and efficient manner as well as handling all problems and emergencies occurring in shift.
 - Assume overall responsibility for all activities at RASD during off duties and night shifts and holidays. Act as On-Scene Commander during emergencies.
 - Ensure that all plants are operated safely and efficiently at optimum cost within agreed operating parameters during his shift.
 - Ensure distribution of power and water to the Industrial and non-industrial consumers as per agreed quantity and specifications.
 - Ensure Export of Power to Transco as per the PPA (Power Purchase Agreement) in coordination with the load despatch centre.
 - Ensure that all start-ups and shut downs of facilities are carried out as per standard procedure and as per start-up/shutdown curves.
 - Handle plant emergencies with clear assessment of situation and taking quick and right steps to restore the power in minimum possible time.
 - Monitor the specification of process water, make appropriate adjustments and investigate process upsets and take remedial measures.
 - Direct and participate in critical operating procedures to provide overall control and coordination including start-up and shutdown procedures, commissioning and testing of new equipment, acceptance of repair work.
 - Ensure that all planned and maintenance during shift is carried out safely with minimum interruption to operating plants.
 - Reviewing operating conditions, issuing work permits with proper safety precautions, follow-up and smooth start-up of the units/equipment after completion of the jobs.
 - Control maintenance works carried out and direct the preparation of units ensuring inspection of areas prior to work. Supervised the testing and commissioning of new/modified equipment in the unit.
 - Ensure that all the Health Safety & Environmental systems are properly implemented by all operating personnel in the shifts and all maintenance activities are carried out strictly according to Takreer's HSE manual.
 - Discuss accidents, incidents, and near miss and all other safety aspect with subordinates in order to avoid recurrence.
 - Attend departmental safety, health and housekeeping meetings. Participate in plant safety and housekeeping tours and follows up on action plans aimed at improving safety standard.

Dates : From Jan. 2002 till Mar. 2005
Employer : EDF (Electricity De France)
Project : Suez Gulf Steam Power Plant (682MW)

- Job title** : Commissioning & Start-up Field Engineer
- Job Description** :
- Developed many intermittent critical operations procedures.
 - Kept troubleshooting and analyzing the plant failures for about two years successfully.
 - Lead the training schedules for new operators.
 - Co-ordinate the refreshing trainings and conduct some of them.
 - Deal with the EGYPTIAN NATIONAL CONTROL CENTER OF ELECTRICTY to adjust the plant performance for the grid needs.
 - Lead of successive shutdowns and maintenance plans on and off operations. Because of creativity in operation the plant could manage to put 30% of the shutdown activities to run on operational plant. This gave a good slake time to minimize the scheduled shutdown periods.
 - Preparing the master and slave locking permits for the outage.
 - Classify the outage maintenance activities by master permit.
 - Follow and manage the operation activities during the outage.
 - Issue the hot work permits and confined space permits as per outage activities.
 - Participate with the maintenance in the daily outage meeting to follow the outage activities.
 - Follow and manage the maintenance activities to normalize and line up before start-up the unit.
 - Reporting the outage activities to the operation manager.
 - Analysis the outage activities to be as the feedback experience to the next outage.
 - Environmental management system codes of EDF Company (Electricity De France).
 - Make a rating of the aspects which related to the operating impacts.
- Dates** : From Jun. 2000 till Jan. 2002
- Project** : AYOUN MOUSA Power Plant (645MW)
- Job title** : Commissioning & Start-up Operation Engineer
- Job Description** :
- Start-up, Shut down & Safe Operation for main boiler, turbine and auxiliaries.
 - Follow up construction activities completion.
 - Make punish lists for plant systems.
 - Mechanical / Manual Cleaning; chemical cleaning.
 - Air blowing, steam blowing, water flushing and power water flushing.
 - Refractory day-out and boiler first start-up.
 - Turn over package & perform isolation and safety tags.
 - Develop line up, start-up and shutdown procedure according to operation and maintenance manuals.
 - Develop the alarm sheets for the several systems of the plan.