

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 18 years hands-on experience working in operation, commissioning and start-up at Power Stations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/05/1982
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D
: Matlab

TRAINING COURSES AND CERTIFICATIONS

: Trainings at:

- Abu Qir for Fertilizer Company (1 month in 2002).
- Rakta for Paper Company (1 month in 2003).
- Abu Qir Power Plant (1 month in 2004).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2020 till 2021
Employer : West Delta Electricity Production Company
Project : New Abu Qir Thermal Power Plant (2x650MW)
Job title : Operation Team Leader
Job Description :

- Lead and coordinate all operation activities.
- Conduct meeting with other maintenance departments (electrical,

turbine, boiler, HSE, chemical).

- Ensure that all safety and precautionary requirement and procedure are followed during any maintenance process.
- Making daily technical report about unites abilities, efficiency for operation manager.
- Study engineering, technical documents vendor information and prepare procedure for systematic.
- Reviewing drawing and specification to ensure all understanding of plan operation and safety.
- Ensuring compliance with lock out tag out (LOTO).
- Hand over the plan from maintenance in line with operation.
- Start-up and synchronize lead and shutdown.
- Perform all switching that can done from control room.

Dates : From 2019 till 2020
Employer : West Delta Electricity Production Company
Project : New Abu Qir Thermal Power Plant (2x650MW)
Job title : Shift Charge Engineer
Job Description :

- Responsible for shift operation (2x650MW) Mitsubishi steam turbine and AC boiler.
- Safe unit start-up, shutdown, normal operation, load management and handling of various emergency during normal operation.
- DCS operation process.
- Mitsubishi steam turbine start-up and normal operation and its auxiliaries process including vacuum system, seal oil, lube oil and control oil.
- AC boiler start-up, normal operation and shut down and its auxiliaries process including combustion air system, air heater, gas and heavy fuel system and gas recirculation system.
- Auxiliary unites operation and process including BFP, TBFP, condensate system, service water.
- Line up for (lube oil, control oil, air and fuel line and air instrument).
- Handle emergency situations of desk operation confidently & continuously.
- Monitor parameters of desk operation.
- Performance monitoring of boiler & turbine.
- Implemented Standard Operating Procedures, equipment lockout tag out.
- Procedures of power plant as per international standardization o organization.
- Performing the functions of troubleshooting and breakdown preventive, corrective maintenance for reducing downtime to minimum.

Dates : From 2017 till 2019
Employer : Orascom Construction – UEEPC
Project : West Assiut Combined Cycle Power Plant 1500MW
Job title : Operation Engineer
Job Description :

- Following up 8 units GE 9E Gas Turbine Commissioning.
- Commissioning for the of Gas Skids.
- Start steam blow procedures and BOP operation.

- Following up 8 Doosan HRSG Start-up & Commissioning.
- Following up 2 Steam Turbine Frame D200 Start-up & Commissioning.
- Following up Air cooled condenser (ACC) Leak-Test & Commissioning.
- Following up Feed water & Condensate Pumps Commissioning (Hyosung Company).
- Following up Closed cooling, service water, Demi water & Transfer water Pumps Commissioning (Garbirino Company).
- Following up Static Devices Commissioning.
- Hydro-Test for 8 HRSGs, BOP Piping & Pressure parts.
- Check Safety Procedures and Plant reliability.
- Monitor the operation of the combined cycle, running parameters and Auxiliaries operation from a safety and efficiency aspect.
- Maintain the optimum performance of the all operating units.
- Follow up safe start-up for equipment and for people.
- Follow up (LOTO) isolation procedure for equipment maintenance.
- Implementation of daily, weekly and monthly tests of major equipment and auxiliaries.
- Inform about the daily faults that occur for equipment and the auxiliaries and following up maintenance actions.
- Perform the daily report about the status of units and site action tracker.
- BOP commissioning (ACC system, CW, BFWP, CP, vacuum system) make motor solo test, air blowing, flushing and chemical cleaning according procedure for different system.
- Perform steam blow out activities for HP and LP steam of GE HRSG.
- Lube oil, hydraulic oil system jacking oil for GE steam turbine.
- Hydrogen filling system for cooling generator and Hydrogen generation plant.
- GE HRSG operation.
- Monitoring all plant parameters from local and reporting any malfunction in operation.
- Carry out locking out tagging out for any equipment's.

Dates	:	From 2016 till 2017
Employer	:	EDEPC
Project	:	Suez Thermal Power Plant (1x650MW)
Job title	:	Operation Engineer
Job Description	:	<ul style="list-style-type: none"> • Start-up and shut down procedures for thermal power plant 1x650MW (cold, warm, hot and normal or emergency shutdown turbine and auxiliary and boiler operation (ALSTOM, ANSALDO). • Initial firing test. • Steam blowing process for steam piping. • Initial turbine rolling with related test. • Initial synchronizing. • Load test like load rejection, house load, load swing ramp rate and runback. • Monitoring and careful follow up of all system for turbine, boiler and auxiliary. • Maintain the highest HSE standards on shift. • Drive performance and efficiency across the shift. • Reporting the equipment condition during normal operation.

- Effectively coordinate activities with the engineering and maintenance departments.
- Switching connection and disconnection for 220KV, 500KV and 6.3KV.

Dates : From May 2012 till 2016
Employer : West Delta Electricity Production Company
Project : New Abu Qir Power Station 2x650MW
Job title : Shift Charge Engineer
Job Description :

- Responsible for shift operation (2x650MW) Mitsubishi steam turbine and AC boiler.
- Safe unite start-up, shutdown, normal operation, load management and handling of various emergency during normal operation.
- DCS operation process.
- Mitsubishi steam turbine start-up and normal operation and its auxiliaries process including vacuum system, seal oil, lube oil and control oil.
- AC boiler start-up, normal operation and shut down and its auxiliaries process including combustion air system, air heater, gas and heavy fuel system and gas re-circulation system.
- Auxiliary unites operation and process including BFP, TBFP, condensate system, service water.
- Line up for (lube oil, control oil, air and fuel line and air instrument).
- Handle emergency situations of desk operation confidently & continuously.
- Monitor parameters of desk operation.
- Performance monitoring of boiler & turbine.
- Implemented Standard Operating Procedures, equipment lockout tag out.
- Procedures of power plant as per international standardization o organization.
- Performing the functions of troubleshooting and breakdown preventive, corrective maintenance for reducing downtime to minimum.

Dates : From May 2010 till May 2012
Project : Shuwaikh Power Generation Water Desalination Station – Kuwait
Job title : Operation Engineer
Job Description :

- Responsible for observing all units and distiller 1500 T/H of water.
- Responsible for the operation of the plant consisting of the following:
 - 4 multi stage flushing HITACHI distiller unit each of 6 T/H.
 - 4 boilers each of 150 T/hr 80 bar 350 c with capability for natural Gas.

Dates : From Dec. 2005 till May 2010
Project : Abu Qir Power Station
Job title : Operation Engineer
Job Description :

- Participated from the beginning in the commissioning activities of the complete plant with a capacity of 950MW of electrical generation.
- Responsible for the operation of the plant consisting of the following:
 - 4 ALSTOM Steam Turbines, each of 150MW.
 - 4 ALSTOM Boilers, each of 450 T/hr, 155 bar, 538 °C with

- capability for Natural Gas or Cr. Oil firing.
- 1 ALSTOM steam turbine 325MW and ALSTOM boiler 1000 T/h 164 bar 538 °C.

- Dates** : From Aug. 2004 till Dec. 2005
- Employer** : Mechanical Construction Engineering Company, El-Behira
- Job title** : Operation Engineer
- Job Description** : Operation and maintenance for water treatment station, pumps, electrical diesel, transformers and main panel the station contain 5 main pumps, 2 sump pumps, diesel and 2 transformers.
- Field of experience** :
- Managed and controlled operation of steam turbine.
 - Power Station operation, start-up, shutdown equipment, line up, isolation, troubleshooting and monitoring of steam turbine.
 - Actively engaged in activities like commissioning and big shutdown of steam turbine, boilers and plant auxiliaries good exposure of pump, compressor valve, gear box, cooler filter, mechanical seal.
 - Electrical isolation and change over for medium and high voltage 220, 500KV.
 - I was responsible for Fire Fighting System, Lighting System.
 - I was responsible as Team Leader for the site engineers to follow up with them the stages of execution, full supervision & solving the problems on the site.