

Holds a B. Sc. in Mechanical Power Engineering and has about 10 years hands-on experience, including 8 years working in operation and start-up at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/11/1982
Gender : Male
Marital Status : Single
Residence : Damietta

EDUCATION

: B. Sc. in Mechanical Power Engineering, Aswan University, 2007

LANGUAGES

Arabic : Native Language
English : Excellent
French : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Operating & Monitoring GIS 220KV switchgear Isolated with SF6 gas (2 weeks).
- : Operating & Monitoring 135MW Siemens gas turbine (V94.2) (3 weeks).
- : Operating & Monitoring plant auxiliary (air compressors, pumps, Diesel generators...etc.) (2 weeks).
- : Operating & Monitoring Boilers and steam turbine (4 weeks).
- : Training at Segas Company (4 weeks).
- : Operating the Gas turbine units, East Delta Electricity Production Company.
- : Operating the Steam turbine units, East Delta Electricity Production Company.
- : Operating the boilers and steam turbine units advanced course, East Delta Electricity Production Company.
- : Non-destructive Methods (level II):
 - Liquid Penetrant Testing.
 - Magnetic Testing.
 - Radiographiques Testing.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2017 till now
Employer : Techint Engineering & Construction
Project : West Damietta Project, CCPP (1500MW)
Job title : Mechanical Commissioning & Operation Engineer (BOP)
Job Description :

- Commissioning of mechanical CP-118 systems (Demi, Closed Cooling, Service, Condensate, Feed Water systems and Service / Instruments Air Compressor).
- Chemical cleaning for feed water, condensate water systems ...etc.
- Air blowing – Chemical Cleaning – Water and Oil Flushing for piping.
- Hydro test for piping.
- Installation & Commissioning (Pumps, Valves, Air Compressors, Pipes ...etc.).

Dates : From Jun. 2015 till Mar. 2016
Employer : El-Sewedy, Power System Projects Company (PSP)
Project : Attaqa Simple Cycle Power Plant (650MW)
Job title : Shift Charge Engineer
Job Description :

- Operating & monitoring gas turbines units SGT5-2000E (V94.2) by SPPA-T3000 control system and ensure continuity of operations and provision of electric power in a safe and reliable manner according to load demands, and reporting to the Operation Manager in day-to-day operations and tasks.
- Perform & review all safety documents such as lock out/tag out, hot work permit, chemical hazard and emergency response procedure and assisting maintenance in their day to day activities.
- Review with outgoing Shift Charge Engineer the activities of the previous shift such as tripping, shutdowns start-ups from normal operating standards to determine condition of each unit and take correct action.
- Monitoring, training and motivation operations staff (Operators & Technicians).

Dates : From Oct. 2009 till Jun. 2015
Projects : Damietta Combined Cycle Power Station (1200MW) & Simple Cycle Power Plant (500MW – GE Energy)
Job title : Operations Engineer (DCS)
Job Description :

- Steam Turbine Operator (3x140MW - HRSG, GEC Alstom Company):
 - Operating & controlling equipment by ovation control system (Westinghouse & Emerson Companies).
 - Responsible for safe start-up and shutdown ST. (HP & LP) and its auxiliary such as Gland Steam, auxiliary power supply, Circulate condensate & Vacuum Pumps, lubrication, Control oil system.
 - Monitoring all readings of pressure, temperature, flow rate, vibration and power generated etc.
 - Respond to all alarms and malfunctions of plant operations and takes the necessary corrective measures per the instruction of the operations supervisor.
 - Secure and isolate equipment under Lock-Out/Tag-Out for

- maintenance purposes.
- Field Engineer & Desk Operator (DCS), operating and monitoring all the plant auxiliaries such as:
 - Instruments & service air compressors (9 bars, 2 stages with dryer).
 - Diesel generators (2.5MW, 6.3KV, Caterpillar).
 - Intake water House (row water, service water, circulate water, screens wash pumps...etc.).
 - Firefighting system (water & carbon dioxide).
 - Member of the Emergency Response Team (ERT).
 - Oil separators (fuel oil treatment).
- GE Gas Turbine Operator:
 - Operating & monitoring 4x125MW GE's 9E gas turbine units by mark 6 control system.
 - Develop and maintain operations procedures for normal, shutdown and emergent plant operations.
 - Ensure all safety documents such as lock-out/tag-out, hot work permit performed to the normal standards.
 - Helping the shift leader for shooting analyzing and solving many operational problems.
 - Record operation and maintenance actions taken during shift in operator logbook.
 - Perform routine predictive, preventive, and corrective maintenance in accordance with technical manual procedures.
- Siemens Gas Turbine Operator:
 - Operating & monitoring 6x135MW gas turbine units SGT5 – 2000E, V94.2 by SPPA-T3000 control system.
 - Controlling and monitoring two power transformers (10.5KV/ 220KV, 152 MVA / 10.5KV/6.3KV).
 - Monitoring the performance of gas turbines and its auxiliary.
 - Report and correct unsafe conditions or hazards to the shift supervisor.
 - Carry out starting, normal operation, shut-down and stand still of the GT.
- High Voltage Switchgear Operator (220KV - 220/66KV):
 - Monitoring the protections devices for the circuit breaker, transformers and lines.
 - Monitoring all readings of MVAR, MW, Voltage and the Synchronization conditions for the units.
 - Monitoring all readings of oil & windings temperatures for the transformers and its protections.
 - Monitoring all readings of isolate gas (SF6) for sections of pipes (switchyard).

Dates : From Oct. 2007 till Oct. 2009
Employer : Amaco Technical Consulting Company, Cairo
Job title : Mechanical Engineer
Job Description :

- Technical Office Engineer (Emethanex Damietta 1 Project, Damietta – Egypt):
 - Complete design of piping general arrangement layouts.
 - Making piping isometrics, supports details, equipments location plans, plot plans, orientation drawings and Tie-in index & Tie in packages.

- Review all vendor documentations to assure the compliance with the design and technical requirement.
- Provide piping technical input to P&IDs including piping classes, valve types and special items.
- Acting isometric drawings for construction by manually and using computer aided design and drafting.
- Cooperate the fabrication engineers for welding locations, pre-fabrication spools, joints and pipe fittings.
- Site Engineer (Piping – Khalda El-Salam Project):
 - Checking technical designs and drawings to ensure that they are followed correctly.
 - Schedule monitoring for manpower mobilization welding Dia – inch, No. of spools and pipe supports.
 - Ensuring project meet agreed specifications liaising with consultative and other professional staff.
 - Supervising contracted staff, preparing site reports and reporting to the Lead Mechanical Engineer.
 - Monitoring and evaluating the welders, fitters and other workers performance, checking tools, equipments and welding process according to WPS.