

Holds a B. Sc. in Mechanical Power Engineering and has about 13 years hands-on experience, including 11 years working in operation, commissioning and start-up of several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/10/1980
Gender : Male
Marital Status : Married
Residence : Currently Jordan

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2002

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point, Access), Internet

TRAINING COURSES AND CERTIFICATIONS

- : Mitsubishi Heavy Industries Takasago Machinery Works in Japan – Off-site operation training including maintenance (Jun./Jul. 2008):
- Orientation factory visit to MHI Takasago machinery work.
 - System description.
 - Main feature of gas turbine.
 - Operation guide line, safety feature and maintenance procedure.
 - Main feature of GT auxiliaries.
 - GT electrical & control package.
 - Operation training by simulator.
 - Maintenance philosophy & concept.
 - Compressor performance degradation monitoring and countermeasure.
 - Visit to MHI verification plant.
 - Visit to similar size power plant.

- : Mitsubishi Electric corporation energy systems center in Japan – Off-site operation training including maintenance (Jul. 2008):
 - Orientation factory visit of MELCO's shop floor.
 - Generator protection system design.
 - Generator protection relay operation.
 - Generator design and structure.
 - Generator operation and maintenance.
 - Generator auxiliary's explanation & maintenance.
 - Auxiliary motor and equipment operation and maintenance.
 - Generator factory tour.
 - Excitation system design & operation.
- : East Delta Company for Electricity Production in Abu Qir (Feb. 2005):
 - Operation and maintenance gas turbine.
 - Operation and maintenance combined cycle.
- : East Delta Company for Electricity Production in Abu Qir (Apr. 2007):
 - Types of pumps.
 - Operation and maintenance different type of pumps.
- : Mitsubishi Heavy Industries in EI-Atf site – On-site operation training including maintenance (Mar./Apr. 2009):
 - Main feature of gas turbine (MHI701F) and its auxiliaries.
 - Operation and maintenance gas turbine.
- : Mitsubishi Electric corporation energy systems in EI-Atf site – On-site operation training including maintenance (May 2009):
 - Generator operation and maintenance.
 - Generator auxiliary's explanation & maintenance.
- : Yokogawa Middle East training center – Centum cs3000 R3 fundamental course (DCS).
- : TOSHIBA Plant System & Services Corporation – Horizontal pumps & vertical sump pumps system.
- : TOSHIBA Plant System & Services Corporation – Service gas system.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2013 till 2015
- Employer** : K&M Engineering and Consulting LLC, Washington DC, Independent Consultant Services
- Project** : SAMARA Power Plant in Jordan
- Job title** : Senior Mechanical Engineer
- Job Description** : I was responsible for all site Mechanical work, manage time schedule and site activity my responsibility was included:
 - Independent consultant mechanical engineering.
 - Design review.
 - Site mechanical inspection.
 - Aware by erection and welding codes (ASME, AWS, API).
 - Boiler erection, pressure test, chemical cleaning and steam blow.

- BOP, ST, ACC erection, commissioning.
- Fire fighting systems erection, flushing and test.
- Tanks erection and test.
- Time schedule, project contract follow.
- Froth flushing, chemical cleaning, steam blow.
- Daily, weekly, monthly report prepared for Site Manager.

Dates : From 2011 till 2013
Employer : DEWA (Dubai Electrical Water Authority)
Project : DUBAI – K Power Station (3 gas turbines SEIMENS + 3 WHRB + 2 aux boiler + 5 Desalination unit + 2 Steam turbines)
Job title : Start-up & Commissioning Engineer
Job Description :

- Power Station start-up & commissioning.
- Desalination Plants (MSF) & Hypochlorite Plant commissioning.
- Aux boiler start-up & commissioning (Ansaldo).
- Analysis, troubleshooting, preparation of contingency plans.

Dates : From Jun. 2010 till 2011
Employer : EGYPTROL (Commissioning Sub-contractor for HRSG Contractor)
Project : Sidi Krir Combined Cycle Power Plant (750MW) 2x2x1
Job title : Commissioning Engineer
Job Description :

- Commissioning and start-up of boilers, and operation and monitoring.
- Maintenance and repair all types of valves.
- Responsible for developing startup and shutdown procedures.
- Communication with Owner and with contractors for improved operation.
- Prepare progress reports on commissioning activities including reasons for delays.
- Responsible for all commissioning activities including hydraulic test, chemical cleaning, and steam blows.
- Check all equipment and alarms status on DCS pages.
- Apply lockout and other safety procedures for equipment under maintenance and operate the plant and equipment in safety condition.
- Report actions taken and problems experienced during shift in the handover logbook.

Dates : From Jan. 2009 till May 2010
Employer : Middle Delta Company for Electricity Production
Project : El-Atf Combined Cycle Power Plant (750MW)
Job title : Commissioning & Construction Engineer (as Witness)
Job Description :

- Responsible for the review and approval of Contractors schedules for commissioning and construction.
- Responsible for visual inspection for welding.
- Responsible for radiographic test for welding.
- Have good knowledge in ASME Boiler and pressure vessel.
- Responsible for supervision and coordination of start-up and commissioning activities, performance tests and certifications.
- Review of "as built" drawings of the Plant Completion Report prepared by

the contractor.

- Review of the contractor O&M manuals; responsible for the preparation of the punch list.
- Assist the client recruiting O&M personnel; assisted in organizing; and conducted training of new O&M personnel.
- Commissioning, operation and monitoring of HRSGs, gas turbines (MHI701F 250MW), and steam turbine (ANSALDO 250MW).
- Operation of combined cycle in 2x2x1 configuration.

Dates : From Oct. 2003 till Jan. 2009
Employer : West Delta Company for Electricity Production (WDEPC)
Project : El-Mahmoudia Combined Cycle Power Plant (300MW)
(8 GT GE + 2 ST GE)
Job title : Site Engineer
Job Description :

- Engineering.
- Operation of gas turbine (GE) and its auxiliaries.
- HRSGs operation and monitoring.
- Combined cycle operation and monitoring, including auxiliaries.
- Switchgear operation and monitoring.
- Manage the combined cycle control team.

Dates : From May 2002 till Oct. 2003
Employer : Behira Company for maintenance heavy machine
Job Description : Performed maintenance on heavy machinery.

Field of experience :

- I have significant experience in combined cycle turbine generators and power plant mechanical systems.
- My specialized expertise includes mechanical engineering, commissioning and start-up, field inspection, quality control, safety regulations, and environmental compliance.
- I participated in all phases of combined cycle project work, including: start-up, commissioning, operations and monitoring, maintenance, turnover, and schedule and documentation review.
- I have significant experience working on gas turbines, steam turbines and Heat Recovery Steam Generators (HRSG).