

103097-MEC-1COS-E-2011
Commissioning & Performance Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 6 years experience working in construction, operation and commissioning.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Single
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 2011

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Solid Works
: AutoCAD 2D
: Programming and Process Simulation using "EES" Engineering Equation Solver Program
: Adobe Photoshop

TRAINING COURSES AND CERTIFICATIONS

: GP STRATEGIES:

- Fundamentals of Power Plant Performance for Utility Engineers.
- Advanced Performance Analysis and Trouble Shooting for power Plant.

: Suez Petroleum Company, Suez, Egypt: Annual Practical Training on Fire Fighting and First Aids.

: Port Said East Power Plant, Egypt: Toshiba Turbine and Generator Major Overhaul.

: Ministry of Trade and Industry, 10th of Ramadan, Egypt - "ITC TRAINING CENTER":

- Basics of refrigeration and air conditioning.
- Training in Car maintenance.
- Training in Hydraulic control circuits.

- : Peugeot Training Center, Ghamra, Egypt: Training in car maintenance center "SI Engines, CI Engines".
- : Suez Company for Oil (SUCO) in Oil bay field.
- : SMG Company for MEP works, Egypt:
 - HVAC System Design, installation and supervision.
 - Cooling load calculation and duct design.
 - Design using Hap, Ductlator, pipe flow wizard and AutoCAD.
 - Drawing single line diagrams and shop drawing.
 - Fire Fighting System Design, installation and supervision.
 - Pump selection and pump room design.
- : Solid Works, ICT TRAINING CENTER.
- : AutoCAD 2D, Hi-Q Academy.

CHRONOLOGICAL EXPERIENCE RECORD

- Project** : New Capital Cairo Combined Cycle Power Plant, Egypt (Siemens Mega Project 4800MW CCPP) 4x1200MW, Siemens SGT5-8000H Gas Turbines
- Job title** : Commissioning & Performance Engineer
- Employer** : EDF & Powertek Berhad (BOOT Project)
- Project** : East Port Said Power Plant, 2x341MW Gas-Fuel Fired Power Plant (ISO 14001:2004, OHSAS 18001:1999 and ISO 9001:2000 certified)
- Job title** : Operation & Performance Engineer
- Field of experience** :
- Working experience with Multi-National Engineers and Technicians from (US, France, Germany, Poland, India and Japan) during annual outage, Major Overhaul and currently during Erection, commissioning and maintenance of Egypt - Siemens Mega Project 4800MW CCPP.
 - Erection of 8 Gas Turbines, 4 Steam Turbines and their auxiliary systems.
 - Erection of 8 NEM HRSGs and their auxiliary systems.
 - Applying Performance Tests before turning over the Gas Turbines in New Capital, Burullus and Beni Suef Sites and preparing for TOAC.
 - Participated in Commissioning for Two Gas Turbines.
 - Participated in Plant Major Overhaul with Toshiba Steam Turbines in EDF BOOT Project.
 - Operation of Natural Gas/Heavy Fuel power plants.
 - Operation of Power plants from DCS (Alstom) and Siemens T3000.
 - Writing incidents reports and summarize feedback.
 - Performing Operating and Periodic Tests Procedures.
 - Performing Heat Rate tests and analysis of results.
 - Outage Coordinator.
 - Preparation of risk analysis for critical maintenance activities.
 - Experienced in Electrical and I&C equipment.
 - Operation of 220KV/500KV switchgear (GIS).
 - Inspect the units and its auxiliaries, electrical, mechanical, control and instrumentation equipment condition prior to start-up, during operations and after shutdown.
 - Performing maintenance work requests and preparation of safety work permits.

- Record all plant/auxiliaries operating data, including all alarms and protective devices being actuated and reports any deviation to the Shift Charge Engineer.
- Operation of plant common auxiliaries such as auxiliary boiler, emergency gas turbine, emergency diesel, demineralized water plant, desalinated water plant, and chlorination plant.
- Member of emergency response team.
- Attend required and non-required training for regulatory compliance as well as personal development.