

**105796-ELE-1OS-E-2005**  
**Control Room Operator (CRO)**

Holds a B. Sc. in Communication & Electronics Engineering and a Diploma in Power Station. Has about 14 years hands-on experience working in operation and start-up at Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/01/1984  
Gender : Male  
Marital Status : Married  
Residence : Mahmoudia

## EDUCATION

: B. Sc. in Communication & Electronics Engineering, Alexandria University, 2005  
: Diploma in Power Station, 2018

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : GE Technical Commissioning training GE-EHS-70.
- : Permit to Work (PTW) Authorized.
- : Nubaria Power Station Operation of Gas Turbine with the combined cycle 750MW by using Simulator.
- : Siemens onshore Protection System in EI-Atf 220KV GIS Substation.
- : Siemens Onshore Training Course of Substation Control System in EI-Atf 220KV GIS Substation in the Execution Phase, Siemens Theoretical and Practical Training on EI-Atf Site, that includes the following points:
  - Theoretical:
    - General information regarding Siemens Switchgear type 8DN9-2.
    - Functionality of Circuit Breakers.
    - Interlocking systems.
    - SF6 Handling.
    - Basic information about Partial Discharges in gas insulated Switchgears.

- Practical:
  - Manual Operation of Disconnectors and Earthing Switches.
  - Handling of SF6 Maintenance Machine Compact.
- : NEM onshore class room training course for the following:
  - HRSG Operation and Maintenance.
  - HRSG controls and Instrumentation.
  - HRSG Water Chemistry and Safety.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2009 till now
- Employer** : Middle Delta Electricity Production Co.
- Project** : EL-ATF Combined Cycle Power Station 750MW:
  - Mitsubishi Gas Turbine (Frame M701F), Two units – 250MW each one (Diasys).
  - 11/220KV Set Up Transformers.
  - One Steam Turbine.
  - Steam turbines auxiliaries.
  - Two HRSG.
  - 6.6KV Switch gear.
- Job title** : Control Room Operator (CRO)
- Job Description** :
  - Participate commissioning of GTG, STG and all auxiliaries of gas turbine after (lube oil skid, fuel system, hydraulic and pneumatic system).
  - Handling start-up, shut down and emergencies of plant as per standard practice in optimal way.
  - Responsible for safe & efficient operation of 750MW units by quick decision making & appropriate actions as operation engineer, so as to provide optimum generation as per demand keeping the desired parameters within limit and reduction in generation loss during plant emergencies.
  - Analysing unit tripping, equipment problem and follow-up critical activities with concerned department.
  - Ensure safe isolation of equipment for maintenance activities while issue of Work permits.
  - Supervise work related to Installation and commission of main power plant equipment.
  - Gas turbines, Steam turbines, Generators, HRSG system, BOP and BOP auxiliary, MCC, Electrical Buildings, Control rooms, Firefighting system.
  - Keeping energy record and all operation activity.
  - Installed and commission MV and LV panels at common and GT electrical building.
  - Provided training activities for the operation.
- Dates** : From Jun. 2008 till Jun. 2009
- Project** : Mahmoudia Power Station:
  - General Electric Gas Turbine (Frame 5), 8 sets – 25MW each one (MKII).
  - Rolls Royce Gas Turbine (Double End – SK 60), 4 sets – 50MW each one.

- 220/66/11KV Transformers substations.
- 11/220KV Set Up Transformers.
- 220KV Switch Yard (Sf6 circuit breakers – Isolators – wave Trap – Surge arrestor .....
- General Electric Steam Turbine (Mark5) 2 sets.
- Steam turbines auxiliaries (DCS) Control.
- Water treatment (PLC) control.
- Tube cleaning & Debris filter system (PLC).
- Feeder 220KV (6 sets) & feeder (66KV).
- 11/6KV Transformers.
- 6.6KV Switch gear (Sf6 circuit breakers).

**Job title** : Field Operator / CRO

- Job Description** :
- Power distribution and control (operation including turbine synchronization and all operation duties).
  - Turbine synchronization. Lead operators for plant operation, Filters changing over.
  - Keeping all record of data fuel, energy.
  - Handling troubleshooting of various low voltage panels.
  - Water treatment plant.
  - Responsible for operating, monitoring, signal tracing and fault analysis.
  - Preparing daily reports about troubles & operation.
  - Operate the plant GIS 220KV and perform corresponding switching schedule.
  - Investigate and correct the causes of abnormal condition.
  - Ensure following safety rules before, during and after maintenances.
  - Functionally check the control systems after maintenance.
  - Following start-up, shut down and control sequence instructions.
  - Inspect the unit's and its auxiliaries, electrical, mechanical, control and instrumentation equipment condition prior to start-up, during operations and after shutdown.
  - Responsible for complete filling of operations documentations for overall unit performance analysis.