105958-ELE-1OS-E-2009
Control Room Operating Engineer

Holds a B. Sc. in Electrical Engineering and a Diploma in Power System. Has over 7 years hands-on experience working in operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality	:	Egyptian
Gender	:	Male
Residence	:	Tanta

EDUCATION

: B. Sc. in Electrical Engineering, Tanta University, 2009
: Diploma in Power System, Tanta University, 2018

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Heat recovery steam generator operation course (2014), Ansaldo Caldaie s.p.a. - Banha CCGT Power Plant, 750MW 2 x Heat Recovery Steam Generators.
: GE Gas Turbine training for MS9001FA+e Gas Turbine operations in Banha (Apr 2013).
: Site Training for GIS: Course of Hyundai Heavy Industries job site training program for testing and operation of 245KV GIS (Jun. 2013) in Banha.
: Training in Ansaldo Energia: Turbine Operation course "steam turbine Generator & Condenser", AEN - Genoa, Italy (Oct./Nov. 2013).
: Scada for generator protection & synchronizing system: Course using ana maintenance Scada for generator protection & synchronizing system, AEN - Genoa, Italy (Jan. 2013).
: Training in ABB Company: Harmony & PGP Base – Configuration: Harmony HW and SW configuration overview with composer PGP 4.x operator workplace introduction and operation alarms and events management and filters, playback archive PGP trends and historical archive PGP graphic display overview, Genoa, Italy (Nov. 2013).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2011 till now

Employer : Middle Delta Electricity Production Company (MDEPC)

Project : Banha Power Plant 750MW (CCPP - 2x2x1):

- 2x250MW Gas Turbine (GE Frame 9FA-DLN2.6+ controlled by SpeedTronic Mark VI E).
- 2 x HRSG (Ansaldo Caldaie 2 x three Levels + RH HRSG).
- One Steam Turbine (Ansaldo Energia).
- We having following "Distributing control system" YOKOGAWA DCS.

Job title : Conrol Room Operating Engineer

Job Description :

- Joining the preparation team for New Banha Project 750MW combined cycle. Studying scope of work, submittal, drawings and in site follow up installation inspection and commissioning till operation to grid.
- Attending Installation of Banha Power Station Project (Gas Turbine, Steam Turbine and HRSG).
- Attending Start-up, Commissioning of Banha Power Station Project (Gas Turbine, Steam Turbine and HRSG), the First Energize of GIS, First Fire for Gas Turbine and the steam blow for HRSG.
- Perform and assist to achieve the optimum conditions for the unit operation during the steam blow-out activities for HP steam, HRH & CRH steam, and LP steam lines as B.O.P operator from field and DCS and steam turbine bypass operation period before start-up tests.
- Make sure all systems are completed before taking over by commissioning team and following up to remove the remaining open points through punch lists by owner team.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedure.

Dates : From Nov. 2011 till Nov. 2012

Employer : Middle Delta Electricity Production Company (MDEPC)

Project : Talkha Steam Power Station (2x210MW)

Job title : Boiler Operator (Control Room & Field Operator)

Job Description : Worked in steam turbine and boiler and its auxiliaries, made by SKODA, doing the following:

- Worked as Control Room Operator, doing the following:
  - Operating the boiler properly regarding:
    - ❖ Drum level, steam flow and feed water flow rate.
    - ❖ Metal temperature of super-heaters, Re-heaters and water drum.
    - ❖ Outlet steam properties and inlet feed water properties (temperature, pressure, PH No, conductivity and percentage of silica).
    - ❖ Furnace pressure, Inlet air and outlet flue gases properties (temperature, pressure, excess air percent and (CO, CO2, O2) percent.
  - Operating all boiler equipments from DCS such:
    - ❖ Air Heaters, Forced Draft fans, GR Fans, Aux Fans and burners.
    - ❖ Mazout pumps, SCAPH in mazout firing and Soot blowers.

- Worked as Field Operator, doing the following:
  - Observe operating conditions of all boiler equipments.
  - Keep readings of equipment parameters (bearing temp, vibration, etc.).
  - Inform shift supervisor with any field troubles or break downs.
  - Isolate any equipment manually as required in work orders to hand over to maintenance.
  - De-isolate the equipment, test operation to take over after finishing maintenance.