101115-ELE-1OS-E-2005
Control Room Operation Engineer

Holds a B. Sc. in Electronics & Control Engineering and has about 13 years hands-on experience, including 11 years working in operation and start-up at several Power Stations.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	24/02/1983
Gender	:	Male
Marital Status	:	Married
Residence	:	Currently KSA

EDUCATION

: B. Sc. in Electronics & Control Engineering, Banha University, 2005

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Operation training course in Italy for six units of HRSGs for a 2250MW – GIZA NORTH – CCPP STF Company, Milan - Italy (Nov./Dec. 2013):
- HRSG engineering fundamentals and design.
- Pressure parts and vessels, Pumps, Electromatic relief valve.
- Welding fundamentals, Codes and standards, Logic and Control.
- Control / Manual / Motor operative valves and safety valves.
- CEMS – Continuous Emission Monitoring System.
- SWAS – Steam Water Analysis System.
- Electrical panels design and fabrication.

: Shoubra El-Kheima Power Plant Basics and Site Specifics training courses, constituting a program of concentrated study of power plant equipment and systems theory and application.

: Advanced training courses in automatic control of gas turbines.

: Advanced training courses in operation and control of combined cycle.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2018 till now
Employer : Shanahan Engineering Limited (SEL)
Project : PP14 Project - Riyadh, Saudi Arabia
(825x2MW combined cycle 6 Gas Turbine GE Frame 7FA 0.05, 6 HRSG STF and 2 GE steam turbines)
Job title : Control Room Operation Engineer

Dates : From Jan. 2013 till Dec. 2017
Employer : Cairo Electricity Production Company (CEPC)
Project : Giza North Power Station:

- 6 Gas turbines GE frame 9FA (6x250MW).
- 6 HRSG STF Italy Co., manufacture (275 T/hr HP section, 53 T/hr IP Section and 30 T/hr LP section).
- 3 Steam turbines Ansaldo Energia (3x250MW).
- All auxiliary of the project.

Job title : Control Room Shift Charge Operation Engineer

Dates : From Jan. 2012 till Dec. 2012
Employer : Cairo Electricity Production Co. (CEPC)
Project : Cairo South Power Station
Job title : Control Room Shift Operator Engineer for combined cycle unit

Dates : From Jun. 2011 till Dec. 2011
Employer : Kharafi National
Project : Al-Shabab Power Station:

- 8 units x 125MW gas turbine, G.E. frame 9001E under control system (Speed Tronic – Mark VIe).
- All the unit auxiliary systems.
- Used Fuel: Natural Gas – Distillate.

Job title : Start-up & Control Room Shift Operator Engineer

Dates : From Sep. 2007 till May 2011
Employer : Cairo Electricity Production Co. (CEPC)
Project : Cairo South Power Station:

- 1 unit x 110MW gas turbine, G.E. frame MS9001E under Control system (Speed Tronic – Mark 4).
- 1 HRSG (Heat Recovery Steam Generator), type VOGT under Control system (DCIS – Westinghouse).
- 1 unit x 55MW ST, G.E. under control system Mark 5.

Job title : Control Room Shift Operator Engineer

Dates : From Sep. 2005 till Sep. 2007
Employer : Italian Egypt Co. for electrical products in 10th of Ramadan City

Job title : Shift Engineer

Further experiences : Besides my work mentioned above:

- I am qualified to prepare and teach the operation system courses for gas turbines, for engineers and technicians also.
- Also I have shared in Cairo South Power Station Training Center since 01/01/2010 and teaching the following courses:
  - Advanced training course in Automatic control for gas turbines under control system (Speedtronic-Mark IV).
  - Advanced training course in troubleshooting for gas turbine under control system (Speedtronic-Mark IV).
  - Advanced training course in operation and automatic control for combined cycle (Mark V, DCIS Westinghouse).

Field of experience :

- Make all operation pre-checks and operation schedules for Normal start and stop for gas turbines, HRSG, BOP and steam turbine.
- Make all Mechanical and Electrical isolate and normalize steps for gas turbines, HRSG, BOP and steam turbine.
- Monitor gas turbines during normal operation and try to solve all troubleshooting if appeared to prevent gas turbines, HRSG, BOP and steam turbine from Trip or Shutdown.
- Full understanding for operation programs like: Ready to start – Runback – Shutdown – Trip.
- Make all steps for Water wash schedules like: Prepare the WW skid for washing – Washing – Rinsing – Drying – Normalize the GT for normal operation.
- Work as a Leader for operation group which consists of Engineers and Technicians.