

100172-ELE-OS-E-2005
Senior Operation & Start-up Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 14 years hands-on experience working in operation, commissioning and start-up at Thermal and Supercritical Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/12/1983
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Assiut University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: MS Project
: Primavera

TRAINING COURSES AND CERTIFICATIONS

: Operation of the steam power plants in Upper Egypt Electricity Production Company.
: Training at HYDRO PLANT STATIONS COMPANY (Jul./Aug. 2004):

- Control systems & programmable logic controller (PLC).
- Generators & Transformers & Circuit breakers.

: ABB Symphony plus operating system, Ghazlan Power Plant, Saudi Electricity Company.
: PLC BASIC S7 certify from Training Automation Laboratory, Assiut University.
: WIN CC FLEXIBLE HMI certify from Training Automation Laboratory, Assiut University.
: MS PROJECT certify from Training Computer Laboratory, Upper Egypt Electricity Production Company.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2017 till now
Employer : AC BOILERS
Project : South Helwan Supercritical Power Plant 3x650MW
(2130 t/h boiler once-through type, supercritical "Benson boiler" which is designed for sliding pressure operation plant)
Job title : Senior Operation & Start-up Engineer
Job Description :

- Ensure safe execution of all pre-commissioning and commissioning activities through the application of PTW procedure and LOTO procedure.
- Carry out all pre-commissioning activities (motor solo test, chemical cleaning, air blowing, steam blowing, oil flushing,) as per manufacture recommendation.
- Unit operation by DCS (FOXBORO).

Dates : From Oct. 2013 till Oct. 2017
Employer : Saudi Electricity Company
Project : Ghazlan II Power Plant (4x664MW)
Each Unit in Ghazlan II Power Plant is equipped with one forced circulation, outdoor, positive draft, radiant reheat type steam generator of tilting burner, corner fired design.
Job title : Senior Operation Engineer
Job Description :

- Monitoring turbine, boiler and BOP condition during normal operation through DCIS (ABB symphony +2.0) control system.
- Following proceeding for unit cold and hot start-up.
- Following proceeding for unit normal and forced cooling shut down.
- Controlling unit during abnormal operating condition (load rejection, runback,etc.).
- Perform daily and weekly testing for all equipment.
- Monitoring and analysis alarms and abnormal conditions.
- Good dealing for industrial safety requirements.
- Issue the maintenance requests and follow up the executing work permits with Maintenance team.

Dates : From Oct. 2011 till Jun. 2013
Employer : ANSALDO CALDAIE
Project : ABU QIR THERMAL POWER PLANT (2x650MW) units 6 & 7, Alexandria
Job title : Commissioning & Start-up Engineer
Job Description :

- Carry out all pre-commissioning activities (motor solo test, chemical cleaning, air blowing, steam blowing, oil flushing,) as per manufacture recommendation.
- Commissioning & Start-up of the boiler.
- Unit operation by DCS (ABB system).

Dates : From Oct. 2010 till Jul. 2011
Employer : HITACHI
Project : CAIRO WEST THERMAL POWER PLANT (2x350MW) units 7 & 8

Job title : Commissioning & Start-up Engineer
Job Description :

- Carry out all pre-commissioning activities (motor solo test, chemical cleaning, air blowing, steam blowing, oil flushing,) as per manufacture recommendation.
- Commissioning & Start-up of the boiler.
- Unit operation by DCS (YOKOGAWA system).

Dates : From May 2010 till Sep. 2010
Employer : INITEC ENERGIA
Project : El-Tebbin Thermal Power Plant (2x350MW) units 1 & 2
Job title : Operation Engineer
Job Description :

- Start-up & operation for balance of plant equipments (CW, BFWP, CEP, air compressor.....).
- Unit operation by DCS (ABB system).

Dates : From Apr. 2006 till Apr. 2010
Employer : Upper Egypt Electricity Production Company
Project : Assiut Thermal Power Plant (2x312MW) units 1 & 2
Job title : Operation Engineer
Job Description :

- Start-up and shut-down for thermal power plant.
- Turbine & auxiliaries operation (Toshiba & Ansaldo) and reporting the equipment condition during normal operation.
- Boiler & auxiliaries operation (Mitsubishi, Hitachi & Ansaldo) and reporting the equipment condition during normal operation.
- Good knowledge of hydrogen production plant and mechanical equipment.
- Good command with BTG control system.
- Operation of 220KV switchgear.
- Good knowledge of firefighting system (water system, foam system and dry powder system locally and alarms control panel).
- Good dealing for industrial safety requirements.
- Issue the maintenance requests and follow up the executing work permits with Maintenance team.