

Holds a B. Sc. in Mechanical Power Engineering and has over 29 years hands-on experience in electric power generation plants (commissioning, start-up, operation and shutdown), steam and gas turbines (up to 360MW), oil and gas firing boilers (up to 1200t/h – 175b), compressors, pumps, fans, filters, heat exchangers, storage tanks, emergency diesels, desalination plants, water treatment plants, hypochlorite production plant, H2 production plant, chemical dosing and samples systems, natural gas and fuel oil distributing stations, fire detection and fighting systems, high & medium and low voltage switchboards, transformers up to 220/18KV, generators up to 400 MVA, work permits, locking and unlocking, start-up and shutdown procedures, troubleshooting, performance and heat rate tests, ISO 14001, OHSAS 18001.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/08/1961
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 1984

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : ISO 14001 and OHSAS 18001 training (Jan. 2005).
- : Fire fighting practical training (annually) in Suez Petroleum Company (Sep. 2003).
- : Four months training course on computer (Windows, Excel and Word) (Oct. 2000).
- : One month training course on boiler operation (Sidi Krir Plant - Babcock Company) (Sep. 1997).
- : One month training course on turbine operation (Sidi Krir Plant - Siemens Company) (Aug. 1997).
- : One month training course on desalination plant operation (Japan - Babcock Hitachi Company) (Jun. 1997).

- : Two weeks training course on healthy and equiptional safety (Jul. 1992).
- : Three months training course on operating steam power station (Abu Qir Station Training Center) (Mar. 1992).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2015 till now
Employer : West Delta Electricity Production Company
Project : Sidi Krir Steam Power Station
Job title : Operation Manager

Dates : From Feb. 2003 till Jul. 2015
Project : EDF Suez Gulf Steam Power Station (2x364MW):

- The unit consists of high capacity boiler (Foster Wheeler) - 1200 t/hr, 174 bar, 540 °C, natural circulation and natural gas / heavy fuel oil firing.
- Toshiba turbine (2x364MW), two cylinders Hp-IP and LP with 18KV generator hydrogen and water-cooling system.
- Power plant auxiliaries: one black start gas turbine, turomach type (12MW - Solar fuel oil - 1500 rpm).
- One auxiliary boiler (50 t/h - 17 bar - 350 °C).
- Two desalination plants - demineralization plant - chlorination plant.
- Diesel engine for emergency service - GIS 220KV (ALSTOM - SF6 gas insulation) - fire fighting system.

Job title : Shift Charge Engineer
Job Description :

- To operate the units in safe and reliable conditions through local or remote control allowing producing electricity.
- Regarding the needs of the dispatcher, with the highest level of quality and safety, the highest efficiency level and respect of the environment protection.
- To know the state of equipment following parameters in the main control room, on the field (local inspection).
- Through the on line thermal performances monitoring system, the achievement of periodic testes, the detection of malfunctions or incidents.
- To respond as needed to the energy variation requested by the dispatcher.
- To reduce production cost while maintaining appropriate service quality within acceptable standards.
- To guarantee real property and people safety working in the plant watching over to respect the safety prescriptions and taking adapted safety measures if necessary.
- To assure the appropriate training of the staff to make that employees have the opportunity to develop and maintain their skills at the requested level, including on the job, quality, safety and environmental training.
- To assure staff safety and risks prevention.
- To operate the units respecting the chemical characteristics requested.
- To guarantee the highest level of operation quality and decide corrective actions if needed integrating experience feedback.
- To put in place a work permits organization, writing the adequate procedure.

- To write operation procedures, alarms sheets, periodic tests and all other documents such as: shift logbook, field inspection logbook, operator logbook...
- To lead the daily (work management meeting).
- To report to the plant manager in the field of management, technique, economic, performance indicators.
- To deliver and renew operation staff qualification.
- To manage the locking and unlocking actions.
- To manage the issuing of work permits.
- To prepare and lead the programmed outage activities.
- To call the (on call) staff if necessary.
- To fight the fire according to emergency plan designed for fire fighting procedures.

Dates : From Jul. 1997 till Feb. 2003
Employer : West Delta Electricity Production Company
Project : Sidi Krir Steam Power Station (2x320MW)
Job title : Shift Charge Engineer
Job Description :

- Attend construction, commissioning, start-up and operating of the plant.
- The unit consists of high capacity boiler (Babcock) - 1100 t/hr, 166 bar, 538 °C, natural circulation and natural gas / heavy fuel oil firing.
- Siemens turbine (2x320MW), three cylinders Hp, IP and LP with 21KV generator hydrogen cooling system.
- Power plant auxiliaries: one auxiliary boiler (45 t/h - 16 bar - 350 °C) - two desalination plants - demineralization plant - chlorination plant - polisher plant - reboiler plant - hydrogen production unit - diesel engine for emergency service - GIS 220KV (Group Schneider - SF6 gas insulation) - fire fighting system.

Dates : From Jun. 1992 till Jul. 1997
Project : Abu Qir Steam Power Station I (325MW)
Job titles :

- Field Operator Engineer (for two years)
- Control Operator Engineer (for three years)

Job Description :

- The unit consists of high capacity boiler (Alstom) - 1130 t/hr, 170 bar, 540 °C, forced circulation, natural gas / heavy fuel oil firing.
- Alstom turbine (1x325MW), three cylinders Hp, IP and LP with 23KV generator hydrogen and water - cooling system.
- Power plant auxiliaries: demineralization plant - chlorination plant - reboiler plant - polisher plant - diesel engine for emergency service - GIS 220KV (ALSTOM - SF6 gas insulation) - fire fighting system.

Dates : From Jan. 1988 till Jun. 1992
Project : Karmouz Gas Turbine Power Station (2x12.5MW)
Job title : Control Operator Engineer
Job Description : Attend construction, commissioning, start-up and operating of the plant.

Dates : From Jan. 1985 till Jul. 1987
Employer : Egyptian Army

Project : Military Service
Job title : Officer Engineer
Job Description : Maintenance and operation of diesel engines up to 150 Hp, heavy duties trucks.