

Holds a B. Sc. in Mechanical Engineering and has over 25 years hands-on experience, including 22 years working in operation, commissioning and start-up at Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 22/11/1969  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 1994

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Gas turbine operation, GT aux., GT control systems, GT troubleshooting, Compressor performance & maintenance philosophy by Mitsubishi Heavy Industries in Takasago Machinery Works Japan (3 weeks).
- : Generator operation & maintenance by Mitsubishi Electric Corporation Energy Systems Center in Japan (1 week).
- : Boiler operation in Sidi Krir Power Station by Babcock & Wilcox (5 weeks).
- : Turbine operation in Sidi Krir Power Station by Siemens AG (3 weeks).
- : Auxiliaries operation and troubleshooting e.g. feed water pumps, both turbine and electrical (drum level control), circulate water pumps (sea pumps), condensate pumps, service pumps, closed cycle cooling water system and air compressors...etc. by Cimimontubi (3 weeks).
- : Desalination plant (M.S.F.) operation by Hitachi Babcock (2 weeks).
- : Power station operation course in Abu Qir Training Center (12 weeks).
- : Gas turbine operation in Abu Qir Training Center (2 weeks).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2016 till Jan. 2020  
**Project** : RABIGH POWER PLANT 4500MW  
(MHI STEAM & ABB, GE FRAME 5 GAS TURBINES & COMBINED CYCLE)  
**Job title** : Chief Operation  
**Job Description** :

- Responsible for overhaul schedules and progress.
- Units performance before and after overhaul.
- Operation staff shift Rota and vacation schedules.
- Helping in operation staff evaluation.
- Preparing the training programs for staff development.
- Make studies for new projects at different systems modifications.

**Dates** : From Dec. 2011 till May 2016  
**Project** : RABIGH POWER PLANT 4500MW  
(MHI STEAM & ABB, GE FRAME 5 GAS TURBINES & COMBINED CYCLE)  
**Job title** : Senior Shift Charge Engineer  
**Job Description** :

- S/up- S/D - load follow up - troubleshooting.
- Help to maintain the stability of national grid.
- Isolate the different systems for maintenance work.
- Coordinate with other maintenance sections to keep the power flow.
- Help in modifying systems.
- Arrange shift activity according to availability of units.
- Make pre-shutdown test and heat rate before and after outages.

**Dates** : From Oct. 2008 till Nov. 2011  
**Project** : Sidi Krir 750MW Combined Cycle  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Supervise the erecting works with 2250MW Gas Turbine Contractor.
- Help in modifying the interface systems with Sidi Krir 1 & 2 like Service water sys., demi water, etc.
- Safe start-up and shutdown for the units 2x250MW gas turbine.
- Make maneuver with dispatch center 500KV.
- Responsible for reliability and performance test for 2x250MW gas turbine units.

**Dates** : From Dec. 2007 till Sep. 2008  
**Employer** : Egyptian Elec. Auth.  
**Project** : Sidi Krir Power Station  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Make maneuver with dispatch center 220KV.
- Isolate the different systems for maintenance work.
- Safe start-up and shutdown for the units.

**Dates** : From Aug. 2007 till Nov. 2007  
**Employer** : Alstom Power  
**Project** : Shoaiba Power Station stage 1 - 5x400MW - KSA  
**Job title** : Boiler Commissioning Engineer  
**Job Description** :

- Safe start-up and shutdown for the Boiler.
- Isolate the different systems for maintenance work.
- Checking all problems which affect air heater operation.

**Dates** : From Jul. 2001 till Jul. 2007  
**Employer** : Egyptian Elec. Auth.  
**Project** : Sidi Krir Power Station  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Safe start-up and shutdown for the units.
- Make maneuver with dispatch center 220KV.
- Isolate the different systems for maintenance work.
- Responsible for reliability and performance test for units 1 & 2.
- Responsible for reliability and performance test for desalination plant units 1 & 2.
- Responsible for performance test and safe operation for hydrogen plant.

**Dates** : From Jan. 2000 till Jun. 2001  
**Employer** : SIEMENS AG  
**Project** : Sidi Krir Power Station  
**Job title** : Turbine Commissioning & Start-up Engineer  
**Job Description** :

- First start and flushing for the lines for the systems e.g. Lube Oil, control oil, seal oil, etc.
- Start-up the turbine from the different cases cold, warm & hot condition.
- Safe shutdown for the turbine and cooling if required.
- Ensure the turbine at the tests e.g. runback house load.

**Dates** : From Nov. 1998 till Jan. 2000  
**Employer** : Egyptian Elec. Auth.  
**Project** : Sidi Krir Power Station  
**Job title** : DCS Unit Operation Engineer  
**Job Description** :

- Boiler operation processes e.g. boiler start-up and normal operation air control, fuel control, soot blowing, both natural gas and oil (Mazout) firing.
- Turbine operation processes e.g. turbine start-up and normal operation, vacuum preparations, seal steam system, seal oil system, lube oil, control oil, ...etc.
- Electrical responsibilities in the shift such as central dispatch 220KV maneuvers, electrical insulation for equipment's in maintenance.
- Unit auxiliaries operation processes including: feed water pumps, both turbine and electrical (drum level control); circulate water pumps (sea pumps), condensate pumps, service pumps, closed cycle cooling water system and air compressors, ...etc.
- Desalination plant operator multi flash chamber (2 x 5000 ton/day).

**Dates** : From Oct. 1997 till Oct. 1998  
**Employer** : Egyptian Elec. Auth.  
**Project** : Abu Qir Power Station  
**Job title** : Local Operator Engineer  
**Job Description** :

- Prepare the different system for operation.
- Check the equipment's in operation.

**Dates** : From Jan. 1995 till Jun. 1997  
**Employer** : Egyptian Air Forces (planes barriers dept.)  
**Job title** : Maintenance Engineer  
**Job Description** :

- Maintenance for hydraulic circuits for the system.
- Maintenance for benzene engine for the system.