

Holds a B. Sc. in Electronics & Communications Engineering and has over 33 years hands-on experience, including 31 years working in operation, commissioning and start-up at Power Plants (combined cycle).

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 15/02/1964  
Gender : Male  
Marital Status : Married  
Residence : 15 May City, Cairo

## EDUCATION

: B. Sc. in Electronics & Communications Engineering, Helwan University, 1988

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Operation and maintenance training course on Gas Turbines 250MW, MITSUBISHI – TAKASAGO CITY – JAPAN (6 weeks).
- : Combined cycle WDPF Westinghouse on electronic systems maintenance, Pennsylvania – USA (7 weeks).
- : DCS Control System DCS Control System – Westinghouse, Pennsylvania – USA (2 weeks).
- : BECHTEL: Thermal Power Plants Operation and Maintenance course, Shoubra El-Kheima Power Plant Training Center (6 months).
- : Operation of steam and gas turbines, Cairo North Training Center (1 month).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Apr. 2020 till Jul. 2021  
**Employer** : Power Consultant Company  
**Project** : Waad Alshamaal Integrated Solar Combined Cycle Power Plant, KSA

**Job title** : I&C Field Commissioning Engineer

**Dates** : From Mar. 2018 till Feb. 2020

**Project** : Waad Alshamaal Integrated Solar Combined Cycle Power Plant, KSA

**Job Description** : 

- Prepare the training materials for operation and maintenance program and planned for implementation.
- Prepare training matrix for all job title at power plant. Also prepare job analysis for all jobs at power plant.
- Worked as a Trainer for technicians and engineers to teach them all drawings and systems one by one, and trouble shooting.

**Dates** : From Jun. 2012 till Feb. 2018

**Employer** : Saudi Electricity Company (SEC)

**Project** : Qurayyah Combined Cycle Power Plant (QCCPP), Dammam – KSA

**Job title** : Operation Shift Engineer

**Job Description** : 

- For 18 x 198000 KVA (GE FRAME 7FA DLN2.6) Gas Turbine power plant and their auxiliaries Speed Tronic Mark VI control system.
- 6 x 335000 KVA GE Steam Turbine D11 and 18 HRSG DOSSAN under commissioning.
- Operating & maintaining the power plant with the maximum availability.
- Observing job progresses, hence reporting to concerned regarding conditions noted and actions taken.
- Implementing preventative and corrective maintenance procedures, troubleshooting actual and potential problems areas and implementing viable solutions.
- Raising defects for equipment, doing isolation according to the work order permit, make all arrangement with power dispatcher for high voltage substation 380KV isolation and restoration.
- Arrange trouble shooting report and analysis for operation trouble shooting and prepare final report.

**Dates** : From Dec. 2011 till May 2012

**Employer** : Cairo Electricity Production Company

**Project** : Cairo North Power Station

**Job title** : Shift Charge Engineer

**Job Description** : 

- Operation of two combined cycle (2x250MW gas turbine GE frame 9FA), (250MW steam turbine - ALSTOM) – Mark VI.
- EFFICIENCY / HEAT RATE OF GAS TURBINE GE Frame 9, reported every month.

**Dates** : From May 2010 till Nov. 2011

**Employer** : INITEC

**Project** : El-Kureimat Power Plant

**Job title** : Shift Charge Engineer

**Job Description** : 

- Responsible for operating GAS TURBINE 2x250MW GE 9FA MARK VI and STEAM TURBINE 250MW ALSTOM.
- Prepare monthly Technically Reports and calculating the efficiency of GAS TURBINE and STEAM TURBINE.

- Prepare work orders and daily operation report for generating units.

**Dates** : From Oct. 2009 till Apr. 2010  
**Employer** : INITEC – ALSTOM  
**Project** : El-Kureimat Combined Cycle Power Plant 750MW (2x250MW)  
 (Gas turbine GE Mark VI and STG 1x250MW ALSTOM)  
**Job Description** :
 

- Responsible for receiving, erection, inspection, commissioning and initial start-up of STG and Auxiliaries INITEC-ALSTOM consortium in El-Kureimat site.
- Preparing technical reports about erection, commissioning and start-up for all equipments such as pumps, motors, valves, etc.).
- Following up the procedure of chemical cleaning, steam blow, steam by-pass operation, first synchronization, reliability run and performance tests.

**Dates** : From Apr. 2009 till Nov. 2009  
**Employer** : PGESCO  
**Project** : Sidi Krir Power Station  
**Job title** : Senior Electrical Start-up Engineer  
**Job Description** :
 

- Responsible as PGESCO Representative for commissioning all electrical works in SIDI KRIR site.
- Generator (2x350 MVA, 21KV, 0.85 lag P.F, Y-connected, H2 cooled).
- Generator Circuit breaker (21KV).
- Generator step up transformer (21/ 500KV, OFF- L T C).
- Unit auxiliary transformer (21/6.3/6.3KV, ON- L T C).
- 6.3KV MV Switchgear and 400V LV Switchgear.
- Generator control panel, Protection relay panel.
- Excitation system.

**Dates** : From May 2006 till Mar. 2009  
**Employer** : PGESCO  
**Project** : Talkha Combined Cycle Project (2x250MW GT + HRSG + STG 250MW)  
**Job title** : Sr. Start-up Operation Engineer  
**Job Description** :
 

- Manage and supervise all activities related to (EFFICIENCY / HEAT RATE OF COMBINED CYCLE POWER PLANT).
- Prepare work orders and daily operation report for generating units.

**Dates** : From Jan. 2006 till May 2006  
**Employer** : Oman Electricity Production Company, Muscut – OMAN  
**Job title** : Shift Charge Engineer  
**Job Description** : Operation of two combined cycle (110MW gas turbine, 60MW steam turbine – Mark IV, Mark V).

**Dates** : From Jun. 2003 till Jan. 2006  
**Employer** : Cairo Electricity Production Company  
**Project** : Cairo North Power Station Combined Cycle (750MW)  
 (2x250MW GT + HRSG + 250MW STG)

- Job title** : Senior Operation Shift Engineer
- Job Description** :
  - Manage and supervise all activities related to commissioning and start-up of 750MW gas units (2x250MW, Mitsubishi) and two heat recovery steam generators (NEM Holland) and steam turbine (250MW Hitachi, Japan) – Control system DIA Netmation for gas turbine.
  - Prepare (weekly / monthly) reports and calculating the efficiency of GAS TURBINE according to BRAYTON cycle theory and efficiency formula and calculating the efficiency of steam turbine.
- Dates** : From Apr. 1994 till Jun. 2003
- Project** : Cairo South Power Station
- Job title** : Operation Shift Engineer
- Job Description** :
  - Operation of combined cycle 1x170MW (gas turbine 110MW GE (frame 9, Mark IV, GE, USA + Heat Recovery Steam Generator (VOGT) and steam turbine (60MW, GE, Mark V).
  - Prepare (daily / weekly / monthly) reports and calculating the efficiency of GAS TURBINE according to ideal BRAYTON cycle.
- Dates** : From Jan. 1992 till Apr. 1994
- Project** : Cairo South Power Station
- Job title** : Operation Shift Engineer
- Job Description** :
  - Responsible for receiving, erection, inspection, commissioning and initial start-up of GT and Auxiliaries GE, 110MW.
  - Operation of 3 gas turbines simple cycle 3x110MW GE Frame 9 Mark IV.
  - Prepare (weekly / monthly) reports and calculating the efficiency of GAS TURBINE according to ideal BRAYTON cycle theory and efficiency formula.
- Dates** : From Apr. 1989 till Oct. 1991
- Employer** : Egyptian Armed Forces
- Job Description** : Repair and maintenance of electronics equipment of ROCKET department.
- Field of experience:**
  - Broad experience in the operation of power plants (combined cycle):
    - Responsible for monitoring and controlling combined cycle power plant generating units & associated auxiliary equipment.
    - Diagnose and resolve day-to-day operational problems and handle all type of operation emergencies.
    - Perform high/medium voltage switching operations.
    - Prepare work orders and daily operation report for generating units.
    - Efficiency / heat rate of combined cycle power plant (weekly / monthly) report.
  - Key Skills:
    - Preparation of operation procedures.
    - Provide solutions for troubles that arise from bad or unwise operational actions.
    - Commissioning and start-up of combined power plants and gas turbine.