

Holds a B. Sc. in Mechanical Engineering and has more than 27 years experience, including 26 years working in operation, commissioning, start-up, PTW & LOTO.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 08/09/1973  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## **EDUCATION**

: B. Sc. in Mechanical Engineering, Menoufia University, 1996

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD  
: EAT-PRO. System (supervisory & Electronic log)  
: JD-EDWAED System (Electronic Work Order program)  
: PTW System (Electronic LOTO System)  
: Project Wise System (data base program)

## **TRAINING COURSES AND CERTIFICATIONS**

: Environment (ISO-14001:2004) and Occupational Health and Safety management system (OHSAH 18001) through Target Company.  
: Firefighting course through fire department in ALEXANDRIA Fire Commissioner Administer, and practice monthly on site.  
: First aid course through Red Crescent.  
: Multi Stage Desalination plant operation course through BABCOCK-HITACHI K.K.  
: Handling Chlorine and Chemicals through InterGen.  
: Boiler efficiency course through WDEPC.  
: Boiler operation training course through Babcock & Wilcox.  
: Turbine operation training course through ALSTOM.

- : Turbine operation training course through SIEMENS.
- : Generator operation training course through ALSTOM.
- : Generator operation training course through SIEMENS.
- : Gas turbine operation & maintenance course through WDEPC.
- : Power station auxiliaries' systems operation through TECHINT CIMIMONTUBI.
- : Modern steam power plants introduction course & plant safe operation course through WDEPC.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Feb. 2022 till now  
**Employer** : West Delta Electricity Production Co.  
**Project** : Sidi Krir Power Plant  
 (4x345MW Thermal & 1x750MW Combined Cycle + 2 x 5000 m3/day MSF Desalination Unit + 4 x 12.5 m3/hr RO Desalination Unit)  
**Job title** : Operation Engineer

**Dates** : From Jun. 2021 till Feb. 2022  
**Employer** : EDRA  
**Project** : Sidi Krir 3 & 4 BOOT Thermal Power Plant  
 (2x345MW + 4 x 12.5 m3/hr RO Desalination Unit)  
**Job title** : Operation Shift Charge Engineer

**Dates** : From Dec. 2020 till Jun. 2021  
**Employer** : Ansaldo Energia  
**Project** : Assiut Supercritical Power Plant (1x650MW)  
**Job title** : Operation Team Leader

**Dates** : From May 2019 till Dec. 2020  
**Employer** : ORASCOM  
**Project** : Assiut Combined Cycle Power Plant (8x125MW GT + 2x250MW ST)  
**Job title** : Start-up Manager

**Dates** : From Feb. 2018 till May 2019  
**Employer** : GE Power & Water / ORASCOM  
**Project** : Assiut Combined Cycle Power Plant (8x125MW GT + 2x250MW ST)  
**Job title** : Operation / PTW Coordinator

**Dates** : From Sep. 2016 till Feb. 2018  
**Employer** : Red Planet Construction Group in Qatar  
**Job title** : Project Manager

**Dates** : From Jan. 2008 till Sep. 2016  
**Employer** : Powertek (Malaysian Company)

- Project** : Sidi Krir 3 & 4 BOOT Thermal Power Plant  
(2x345MW + 4 x 12.5 m<sup>3</sup>/hr RO Desalination Unit)
- Job title** : Operation Shift Charge Engineer
- Dates** : From Jul. 2006 till Jan. 2008
- Employer** : Globeleq (British Company)
- Project** : Sidi Krir 3 & 4 BOOT Thermal Power Plant  
(2x345MW + 4 x 12.5 m<sup>3</sup>/hr RO Desalination Unit)
- Job title** : Control Room Operator
- Dates** : From Feb. 2001 till Jul. 2006
- Employer** : InterGen (American Company)
- Project** : Sidi Krir 3 & 4 BOOT Thermal Power Plant  
(2x345MW + 4 x 12.5 m<sup>3</sup>/hr RO Desalination Unit)
- Job title** : Plant Operator
- Dates** : From Oct. 1997 till Feb. 2001
- Employer** : West Delta Electricity Production Company (WDEPC)
- Projects** :
  - Abu Qir Thermal Power Plant (4x150MW, 1x320MW & 2x650MW + 2 x 5000 m<sup>3</sup>/day MED Desalination Unit)
  - Sidi Krir Power Plant (2x320MW Thermal & 1x750MW Combined Cycle + 2 x 5000 m<sup>3</sup>/day MSF Desalination Unit)
- Job title** : Operation Engineer
- Dates** : From Aug. 1996 till Sep. 1997
- Employer** : Egyptian Company for Aluminum
- Job title** : Production Engineer
- Field of experience** :
  - 26 years of experience in the field of Power Plants.
  - Worked in many international companies (EDRA, Ansaldo Energia, ORASCOM, Powertek, Globeleq, InterGen & EEPC) in many sites:
    - Assiut Supercritical Power Plant (1x650MW).
    - Assiut Combined Cycle (8x125MW GT + 2x250MW ST).
    - Sidi Krir 3 & 4 BOOT Thermal Power Plant (2x345MW + 4 x 12.5 m<sup>3</sup>/hr RO Desalination Unit).
    - Sidi Krir (WDEPC) Power Plant (2x320MW Thermal & 1x750MW Combined Cycle + 2 x 5000 m<sup>3</sup>/day MSF Desalination Unit).
    - Abu Qir (WDEPC) Thermal Power Plant (4x150MW, 1x320MW & 2x650MW + 2 x 5000 m<sup>3</sup>/day MED Desalination Unit).
  - Participated in commissioning, start-up and operation of power plant systems & auxiliaries and desalination units.
  - Responsible for:
    - Safe operation, production performance and environmental performance of power generation facility (Boilers, HRSG, Turbine and Auxiliaries ...) both in normal and emergency situations from the field and control room.
    - Preparing Technical reports & Root cause analysis.
    - Safe operation (start-up and shutdown) in normal and emergency situations for desalination units (MSF).

- Commissioning & first start-up for power plant systems and desalination units.
- Commissioning & Start-up:
  - Supervision of commissioning activities including on-site inspections and meetings with the Contractors.
  - Executing the project according to drawing (P&ID) and planning schedules.
  - Lead and manage Project Engineers within the organization.
  - Monitor progress in assigned areas and scopes and takes necessary actions to ensure timely work completion.
  - Participated in Testing and Commissioning during start-up for:
    - ❖ Steam turbine systems.
    - ❖ Boiler systems.
    - ❖ Power Plant auxiliaries (Feed water, Condensate, Closed cooling and Circulating water).
- Operation:
  - Responsible for the shift-to-shift safe operations, production performance, and environmental performance of the power generation facility (Boiler & HRSG, Turbines, Generators, Transformers and water & Steam quality) from the Field and Control Room using DCS.
  - Preparing Technical reports & Root cause analysis.
  - Responsible for start-up and shutdown of the power generation facility and desalination units (MFS) both in normal and emergency situations.
  - Responsible for Electrical Maneuvers (Safe connect / disconnect and isolate Electrical circuits).
  - Responsible for safe Isolation / Release isolation and Energizing Electrical equipment (Transformers, Generators, LV load centers, MCC's) in accordance with vendor recommendations and guidelines.
  - Responsible for PTW & LOTO.
  - Responsible for Firefighting system periodic test, Isolation & Normalize and Reporting.
- Safety and Environmental Performance:
  - Participate in Environment ISO 14001, Occupational Health and Safety management system OHSAS 18001 and ISO 9001 successes team.
  - Participate in Internal Audit team.
  - Training others.
  - Fully aware with:
    - ❖ WO, PTW and LOTO systems.
    - ❖ Confined Space & Hot Work Permit.
    - ❖ Hazard analysis and Risk assessment.
    - ❖ Personal Protect Equipment (PPE).