

Holds a B. Sc. in Chemistry and has about 10 years hands-on experience working as Chemist at Sidi Krir Power Plant.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 26/07/1984  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## **EDUCATION**

: B. Sc. in Chemistry, Alexandria University, 2007

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Access, Power Point), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Training for operation of Desalination plant.
- : Training for operation of Demineralization and waste water treatment (METITO).
- : Training for operation of Electro chlorination system (De Nora).
- : Training for operation of Hypochlorite (METITO).
- : Training for operation of Boiler water treatment (NEM).
- : Training for operation of Sewage, waste treatment (METITO).
- : Training for operation of oil purification system.
- : Training for operation and start-up of sample system (ABB).
- : Training for operation and start-up of sample system (SWAN).
- : Training for operation and start-up of continuous emissions monitoring (CEMS) (ABB).
- : Specialist occupational health and safety from Cultural Foundation Egypt.
- : Training program in steam and boiler water analysis, preservation for boilers, Corrosion Protection:
  - HRSG water survey.

- HRSG conservation.
- Sampling system.
- Steam water analysis.
- Chemical injection system.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2011 till now
- Project** : SIDI KRIR POWER PLANT, Alexandria, Egypt  
consists of 1x750MW combined cycle unit and 2x320MW thermal units
- Job title** : Shift Chemist
- Job Description** :
- Selected Accomplishments:
    - Operation of Demineralized water treatments plant (5 x 63 m3/h - strong acid/strong base mixed beds).
    - Operation of different types of desalination units.
    - Operation of Electro chlorination system (2 x 100 m3/h 2 x 2.5 g/l generators).
    - Operation Condensate Polisher system (3 mixed beds & 3 cation beds).
    - Boilers water treatments (chemical cleaning, passivation & chemical feed dosing system open cooling and closed cooling).
    - Make All chemical lab test for water and oil.
    - Monitoring of Cems (continuous emission monitoring system).
    - Ensure effective implementation of safety, o&m and approved sop.
    - Maintain safety, health and environmental requirements.
    - Operation all instruments in the lab and calibrate it.
    - Operation of all rotating equipment (centrifugal pump and other pump).
  - Job Achievements:
    - Operation for demineralized water & waste water treatment plant, hypo chlorination plant, boiler water treatment sample system, polishing system and Distillation units.
    - Collaborated in writing the start-up, shutdown, and emergency operating procedures for the plants.
    - Developed the assessment module for the Front end field operators for joining DCS.
    - Responsible for Production input into data sheets.
    - Develop the Training Modules for the Process Plant.
    - Pre-commissioning, commissioning and initial start-up of all an utilities in Sidi Krir Power Plant.

- Dates** : From 2009 till 2011
- Project** : Sidi Krir Power Plant 750MW COMBINED CYCLE UNIT
- Job title** : Commissioning Chemical Engineer
- Job Description** :
- Make all tests for the new instruments and equipment used in the operation.
  - Participated in commissioning, Steam Blow, Acid cleaning, passivation and Performance tests of Sidi Krir 750MW Combined Cycle Project.
  - Developed pre-commissioning & commissioning and start-up for all about the module project.

- Field of experience :**
- Shift Chemist at Sidi Krir Power Plant from 2009 to present (total 10 years).
  - Responsible for operation and monitoring of all water treatment plant including boiler treatment.
  - Make all chemical lab tests for water and oil.
  - Skills:
    - Chemical processing.
    - Water Treatment Operator.
    - Wastewater treatment.
    - HRSG.
    - Cooling system.
    - POWER generation.
    - DCS Operator.
    - Desalination (Msf & Ro).
    - Hydrogen production.