

Holds a B. Sc. in Chemistry & Physics and has over 10 years hands-on experience working as Chemist at Abu Qir Power Plant.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 07/01/1987  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## **EDUCATION**

: B. Sc. in Chemistry & Physics, 2007

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Aqua Tech Company in USA (Oct./Nov. 2012): Desalination System (MED) operation and maintenance program.
- : MIDOM Company (Aug./Sep. 2006): Oil and water labs development and maintenance.
- : Successfully completed 30-hours Occupational Safety and Health training course in: OSHA General Industry Safety & Health (29 CFR 1926) (Jan. 2015).

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Sep. 2008 till now  
**Employer** : West Delta Electricity Production Company (WDEPC)  
**Project** : New ABU QIR Power Plant units 6 & 7 (2x650MW)  
**Job title** : Supervisor Utility Chemist Operator

- Job Description** :
- Working as Supervisor Operator Chemist for Desalination System (MED unit).
  - Work as a Chemist in (WDEPC) in a team responsible of the pre-commissioning, commissioning, start-up & and responsible for chemical cleaning, leak test and steam blowing.
  - All systems are operated in DCS techniques (HMI) and some tasks have extra local controllers.
  - The 8 Water treatment systems includes:
    - Multi effect desalination (VC): two units 2x5000 m<sup>3</sup>/day.
    - Demineralization system: production of dematerialized water from desalinated water using ion exchange resin and follow up the operation & resin regeneration and all tests of inlet, outlet water.
    - Condensate polisher system: treatment of the condensate water at the end of steam cycle to reuse it in the cycle using ion exchange resin (mixed bed) and follow up the operation & resin regeneration and all tests of inlet and outlet water.
    - Chemical feed system: injection of chemicals in different points in water cycle to maintain its properties.
    - Chlorination system: production of sodium hypochlorite using sodium hypochlorite generators and controlling its dosing in sea water adjusting its residual and affectivity.
    - Waste water treatment system: treatment of the waste water resulted of the whole plant and adjusting its PH and chemical properties before its disposal and applying the Egyptian standard limits of discharging waste water into the Med. sea. In addition to preparing monthly and annually Environmental reports of the whole project.
    - Oil water separator: special treatment of waste water mixed with oil controlling oil free waste water resulted.
    - Sewage treatment system: biological treatment (extended aeration type two units 2x100 m<sup>3</sup>/day) of human sewage making BOD and COD tests and including disinfection of the treated effluent before its discharging.
    - Hydrogen production unit: production hydrogen by electrolysis for Demi Water.